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MEMBER

ACEC New York

June 23, 2011

Mr. Jason Pelton Project Manager Remedial Bureau E Division of Environmental Remediation New York State Department of Environmental Conservation 625 Broadway Albany, New York 12233

Subject: Soil Vapor Intrusion Evaluation Summary Report Former Speedy's Cleaners 2150 Monroe Avenue Brighton, New York NYSDEC Site No.: 828128

Dear Mr. Pelton:

Empire Geo-Services, Inc. (Empire) has prepared this letter report to summarize a soil vapor intrusion (SVI) evaluation conducted at residential properties near the Former Speedy's Cleaners site (HW 828128) located at 2150 Monroe Avenue, Brighton, New York. The purpose of the evaluation was to assess potential impacts to air quality caused by volatile organic compound (VOC) contamination in groundwater. The VOC contamination consists primarily of chlorinated solvents associated with the former use of the site as a dry cleaner.

The SVI evaluation consisted of collecting indoor, outdoor, subslab, and quality assurance/quality control (consisting of one duplicate subslab sample and

one indoor blank sample) air samples from five properties between February 14 and 17, 2011. The five properties are:

- 145 Elmore Road
- 54 Orchard Drive
- 126 Orchard Drive
- 140 Orchard Drive
- 185 Orchard Drive

The locations of these properties, as well as the location of the Former Speedy's Cleaners site, are shown on Figure 1 (prepared by NYSDEC for inclusion in this report). The samples were collected in general accordance with the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 (NYSDOH guidance document). Table 1 summarizes details of the samples collected during the SVI evaluation. Table 2 summarizes the approximate atmospheric conditions during the four day sampling event.

The subslab and duplicate air samples were collected using 6-liter summa canisters. These samples were shipped to TestAmerica, Inc. in Knoxville, Tennessee for analysis of VOC by EPA Method TO-15. The laboratory analytical report for these samples is contained in Attachment A.

The indoor, outdoor, and blank air samples were collected using sorbent tubes. These samples were delivered to Vapor Trail Analytics, in Rochester, New York for analysis of VOCs by EPA Method TO-17. The laboratory analytical report for these samples is contained in Attachment B.

Copies of the completed NYSDOH indoor air quality questionnaires and building inventories (as found in the NYSDOH guidance document) for each of the five properties are contained in Attachment C. These forms also shows the locations of the samples collected at each property.

An evaluation of the laboratory analytical data was performed and data usability summary reports (one for the TO-15 analyses and one for the TO-17 analyses) were prepared by Vali-Data of Western New York. These reports are included in Attachment D.

If you have any questions or comments regarding this report, please call me at (585) 359-2730.

Sincerely,

your 4

Greg Young Project Manager

Figure

1 Post RI Vapor Intrusion Sampling Locations

Tables

- 1 Sampling Summary
- 2 Atmospheric Conditions Summary

Attachments

- A EPA Method TO-15 Laboratory Report
- B EPA Method TO-17 Laboratory Report
- C NYSDOH Indoor Air Quality Questionnaires and Building Inventories
- D Data Usability Summary Reports

FIGURE (prepared by NYSDEC)



TABLES

TABLE 1 SAMPLING SUMMARY Former Speedy's Cleaners Brighton, New York Site No. 828128

| Address | Property No. | Date Started | Date Completed | Sample Type | Sample ID | |
|-------------------|--|--------------|----------------|---|------------------|------------------|
| | | | | Subslab | 828128-SS-001-01 | |
| 126 Orchard Drive | Property No. 1 | 02/14/11 | 02/15/11 | Indoor | 828128-IA-001-01 | |
| | | 02/14/11 | 02/10/11 | Outdoor | 828128-OA-001-01 | |
| | | | | Blank | 828128-BLANK1 | |
| | | | | Subslab | 828128-SS-002-01 | |
| 145 Elmore Road | Property No. 2 | 02/15/11 | 02/16/11 | 02/16/11 | Indoor | 828128-IA-002-01 |
| | | | | Outdoor | 828128-OA-002-01 | |
| | | | | Subslab | 828128-SS-003-01 | |
| 185 Orchard Drive | Property No. 3 | 02/16/11 | 02/17/11 | Subslab-DUP | 828128-SS-003-02 | |
| 105 Orchard Drive | T lopenty No. 5 | 02/10/11 | 02/11/11 | Indoor | 828128-IA-003-01 | |
| | | | | | Outdoor | 828128-OA-003-01 |
| | | | | Subslab | 828128-SS-004-01 | |
| 140 Orchard Drive | Property No. 4 | 02/16/11 | 02/17/11 | Indoor | 828128-IA-004-01 | |
| 140 Olchald Drive | 140 Orcnard Drive Property No. 4 02/16/11 02/17/11 | 02/17/11 | Outdoor | 828128-OA-003-01 (shared w/Prop. No.3) | | |
| | | | | Subslab | 828128-SS-005-01 | |
| 54 Orchard Drive | Property No. 5 | 02/16/11 | 02/17/11 | Indoor | 828128-IA-005-01 | |
| | | | | Outdoor | 828128-OA-005-01 | |

TABLE 2 ATMOSPHERIC CONDITIONS SUMMARY Former Speedy's Cleaners Brighton, New York Site No. 828128

| Parameter | 02/14/11 | 02/15/11 | 02/16/11 | 02/17/11 |
|---|----------|----------|----------|----------|
| Maximum Outdoor Temperature (^O F) | 48 | 25 | 44 | 55 |
| Minimum Outdoor Temperature (^O F) | 22 | 12 | 17 | 27 |
| Sea Level Pressure (in. Hg) | 29.63 | 30.41 | 30.12 | 29.97 |
| Average Wind Speed/Direction (mph) | 21 | 5 | 4 | 5 |
| Average Wind Direction | W | W | SSW | SSW |
| Precipitation (in.) | 0.02 | 0.00 | trace | 0.04 |

Notes:

^oF = degrees Farenheit
 in. = inches
 in. Hg = inches of mercury
 mph = miles per hour
 SSW = south-southwest
 W = west
 Information from www.wunderground.com/US/NY/Brighton

ATTACHMENT A

EPA Method TO-15 Laboratory Report



THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

Speedy Cleaners

Lot #: H1B220452

Jason Pelton

New York State D.E.C. Division of Environmental Remediation 625 Broadway Albany, NY 12233

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney Project Manager

March 3, 2011

ANALYTICAL METHODS SUMMARY

H1B220452

| PARAMETER | 2 | ANALYTICAL METHOD |
|-----------|---|--|
| Volatile | Organics by TO15 | EPA-2 TO-15 |
| Reference | es: | |
| EPA-2 | "Compendium of Methods for the Deter Organic Compounds in Ambient Air", F January 1999. | rmination of Toxic SPA-625/R-96/010b, |

SAMPLE SUMMARY

H1B220452

| <u>WO #</u> | SAMPLE# | CLIENT SAMPLE ID | SAMPLED DATE | SAMP TIME |
|-------------|---------|------------------|-----------------|----------------|
| MENMJ | 001 | 828128-SS-001-01 | 02/15/11 | 10:00 |
| MENMM | 002 | 828128-SS-002-01 | 02/16/11 | 17 : 45 |
| MENMN | 003 | 828128-SS-003-01 | 02/17/11 | 09:00 |
| MENMQ | 004 | 828128-SS-004-01 | 02/17/11 | 12:55 |
| MENMR | 005 | 828128-SS-003-02 | 02/17/11 | 09:00 |
| MENMI | 006 | 828128-55-005-01 | 02/17/11 | TA:20 |

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.

- All calculations are performed before rounding to avoid round-off errors in calculated results.

- Results noted as "ND" were not detected at or above the stated limit.

- This report must not be reproduced, except in full, without the written approval of the laboratory.

- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor,

paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE H1B220452

The results reported herein are applicable to the samples submitted for analysis only. If you have any questions about this report, please call (865) 291-3000 to speak with the TestAmerica project manager listed on the cover page.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

Custody seals were not present.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

Quantitation for ethanol was based on a one-point calibration standard at the reporting limit. Results for this analyte should be considered estimated.

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria. Even though the calibration verification analyzed on 2/24/11 exhibited a % difference of > 30% for 2-butanone, the results were within the LCS acceptance limits.

The samples were reported with elevated reporting limits for all analytes due to the presence of non-target compounds. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

TestAmerica Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ Lab #88-0688, California DHS ELAP Cert. #2423, Colorado DPHE, Connecticut DPH Lab #PH-0223, Florida DOH Lab #E87177, Georgia DNR Lab #906, Hawaii DOH, Illinois EPA Lab #200012, Indiana DOH Lab #C-TN-02, Iowa DNR Lab #375, Kansas DHE Cert. #E-10349, Kentucky DEP Lab #90101, Louisiana DEQ Cert. #03079, Louisiana DOHH, Maryland DOE Cert. #277, Michigan DEQ Lab #9933, Nevada DEP, New Jersey DEP Lab #TN001, New York DOH Lab #10781, North Carolina DPH Lab #21705, North Carolina DEHNR Cert. #64, Ohio EPA VAP Lab #CL0059, Oklahoma DEQ Lab #9415, Pennsylvania DEP Lab #68-00576, South Carolina DHEC Cert #84001001, Tennessee DOH Lab #02014, Texas CEQ, Utah DOH Lab # QUAN3, Virginia DGS Lab #00165, Washington DOE Lab #Cl1314, West Virginia DEP Cert. #345, West Virginia DHHR Cert #9955C, Wisconsin DNR Lab #998044300, Naval Facilities Engineering Service Center and USDA Soil Permit #S-46424. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

Sample Data Summary

Client Sample ID: 828128-SS-001-01

GC/MS Volatiles

| Lot-Sample # H1B220452 - 001 | | Work Order # | MENMJ1AA | Matrix: AIR |
|--|-----------------------|---------------------------------|-------------------------------|----------------------------|
| Date Sampled: 02/15/2011 Prep Date: 02/24/2011 Prep Batch #: 1056173 | | Date Received: Analysis Date | 02/19/2011 02/24/2011 | |
| Dilution Factor.: 5 | | Method: | TO-15 | |
| PARAMETER | RESULTS (ppb(v/v)) | REPORTII LIMIT (pp | NG RESULTS b(v/v)) (ug/m3) | REPORTING LIMIT (ug/m3) |
| trans-1,3-Dichloropropene 1,2-Dichloro-1,1,2,2-tetrafluoroeth | ND ND | 0.40 0.40 | ND ND | 1.8 2.8 |
| ane 1,4-Dioxane Ethanol Ethylbenzene | ND 11 1.6 | 1.0 4.0 0.40 | ND 21 7.0 | 3.6 7.5 1.7 |
| Trichlorofluoromethane Hexachlorobutadiene | 0.53 ND 2.6 | 0.40 0.40 1.0 | 3.0 ND 9.3 | 2.2 4.3 3.5 |
| 2,2,4-Trimethylpentane tert-Butyl alcohol | ND ND | 1.0 1.6 | ND ND | 4.7 4.9 |
| Benzene Benzyl chloride | 1.0 ND | 0.40 0.80 | 3.2 ND | 3.3 1.3 4.1 |
| 1,1,2,2-Tetrachloroethane Tetrachloroethene | ND 4.1 | 0.40 0.40 0.40 | 4.0 ND 28 | 1.7 2.7 2.7 |
| 1,2,4-Trichlorobenzene 1,1,1-Trichloroethane | ND ND | 0.40 0.40 0.40 | ND | 3.0 2.2 |
| Trichloroethene 1,2,4-Trimethylbenzene | ND 0.68 | 0.40 0.20 0.40 | ND ND 3.4 | 1.1 2.0 |
| Vinyl chloride o-Xylene Methyl tert bytyl ether | ND 1.5 | 0.40 0.40 0.40 | 2.2 ND 6.5 | 2.0 1.0 1.7 |
| 1,1,2-Trichlorotrifluoroethane m-Xylene & p-Xylene Bromodichloromethane | ND 6.3 | 0.40 0.40 | ND 27 ND | 3.1 1.7 2.7 |
| 1,2-Dibromoethane (EDB) 2-Butanone (MEK) | ND ND | 0.40 1.6 | ND ND | 2.7 3.1 4.7 |
| Bromonform Bromomethane | ND ND ND | 0.40 | ND ND ND | 4.1 4.1 1.6 |
| Chlorobenzene Dibromochloromethane | ND ND ND | 0.20 0.40 0.40 | ND ND ND | 1.3 1.8 3.4 |
| Chloroform Chloromethane | ND ND ND | 0.40 0.40 1.0 | ND ND ND | 1.1 2.0 2.1 |

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Client Sample ID: 828128-SS-001-01

GC/MS Volatiles

| Lot-Sample # H1B220452 - 0 | 01 | Work Order # MENN | /JIAA | Matrix AIR |
|----------------------------|-----------------------|-------------------------------|--------------------|-------------------------------------|
| PARAMETER | RESULTS (ppb(v/v)) | REPORTING LIMIT (ppb(v/v)) | RESULTS (ug/m3) | REPORTING LIMIT (ug/m3) |
| Cyclohexane | 1.1 | 1.0 | 3.9 | 3.4 |
| 1,2-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,3-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,4-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| Dichlorodifluoromethane | 0.66 | 0.40 | 3.3 | 2.0 |
| 1,1-Dichloroethane | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloroethane | 0.85 | 0.40 | 3.4 | 1.6 |
| 1,1-Dichloroethene | ND | 0.40 | ND | 1.6 |
| cis-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| trans-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloropropane | ND | 0.40 | ND | 1.8 |
| cis-1,3-Dichloropropene | ND | 0.40 | ND | 1.8 |
| SURROGATE | | PERCENT RECOVERY | | LABORATORY CONTROL LIMITS (%) |
| 4-Bromofluorobenzene | | 103 | | 60 - 140 |

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Client Sample ID: 828128-SS-002-01

GC/MS Volatiles

| Lot-Sample # | H1B220452 - 002 | | Work Order # | MENMM | IAA | Matrix: | AIR |
|-----------------------|------------------|------------|----------------|-----------|---------|---------------------------------------|-------|
| Data Samplad | 02/16/2011 | | | 00/10/001 | 1 | | |
| Date Sampleu: | 02/16/2011 | | Date Received: | 02/19/201 | 1 | | |
| Drop Dateh # | 1056172 | | Analysis Date | 02/24/201 | 1 | | |
| Dilution Factor | 1050175 | | Mothod | TO 15 | | | |
| Difution Factor | 5 | | 141601001 | 10-15 | | • | |
| | | RESULTS | REPORT | ING | RESULTS | REPORT | ING |
| PARAMETER | | (ppb(v/v)) | LIMIT (p | pb(v/v)) | (ug/m3) | LIMIT (u | g/m3) |
| | | | | | | · · · · · · · · · · · · · · · · · · · | |
| trans-1,3-Dichlorop | oropene | ND | 0.40 | | ND | 1.8 | |
| 1,2-Dichloro-1,1,2, | 2-tetrafluoroeth | ND | 0.40 | | ND | 2.8 | |
| ane | | | | | | | |
| 1,4-Dioxane | | ND | 1.0 | | ND | 3.6 | |
| Ethanol | | 12 | 4.0 | | 22 | 7.5 | |
| Ethylbenzene | | 1.3 | 0.40 | | 5.9 | 1.7 | |
| Trichlorofluoromet | hane | ND | 0.40 | | ND | 2.2 | |
| Hexachlorobutadier | ne | ND | 0.40 | | ND | 4.3 | |
| n-Hexane | | 2.9 | 1.0 | | 10 | 3.5 | |
| 2,2,4-Trimethylpen | tane | ND | 1.0 | | ND | 4.7 | |
| tert-Butyl alcohol | | ND | 1.6 | | ND | 4.9 | |
| Methylene chloride | | ND | 1.0 | | ND | 3.5 | |
| Benzene | | 0.79 | 0.40 | | 2.5 | 1.3 | |
| Benzyl chloride | | ND | 0.80 | | ND | 4.1 | |
| Styrene | | 0.77 | 0.40 | | 3.3 | 1.7 | |
| 1,1,2,2-Tetrachloro | ethane | ND | 0.40 | | ND | 2.7 | |
| Tetrachloroethene | | ND | 0.40 | | ND | 2.7 | |
| Toluene | | 2.6 | 0.40 | | 9.9 | 1.5 | |
| 1,2,4-Trichlorobenz | zene | ND | 0.40 | | ND | 3.0 | |
| 1,1,1-Trichloroetha | ne | ND | 0.40 | | ND | 2.2 | |
| 1,1,2-Trichloroetha | ne | ND | 0.40 | | ND | 2,2 | |
| Trichloroethene | | ND | 0.20 | | ND | 1.1 | |
| 1,2,4-Trimethylber | izene | 0.51 | 0.40 | | 2.5 | 2.0 | |
| 1,3,5-Trimethylben | zene | ND | 0.40 | | ND | 2.0 | |
| Vinyl chloride | | ND | 0.40 | | ND | 1.0 | |
| o-Xylene | | 1.4 | 0.40 | | 6.2 | 1.7 | |
| Methyl tert-butyl et | her | ND | 0.80 | | ND | 2.9 | |
| 1,1,2-Trichlorotriflu | loroethane | ND | 0.40 | | ND | 3.1 | |
| m-Xylene & p-Xyle | ene | 5.7 | 0.40 | | 25 | 1.7 | |
| Bromodichlorometh | nane | ND | 0.40 | | ND | 2.7 | |
| 1,2-Dibromoethane | (EDB) | ND | 0.40 | | ND | 3.1 | |
| 2-Butanone (MEK) | | ND | 1.6 | | ND | 4.7 | |
| 4-Methyl-2-pentance | one (MIBK) | ND | 1.0 | | ND | 4.1 | |
| Bromoform | | ND | 0.40 | | ND | 4.1 | |
| Bromomethane | | ND | 0.40 | | ND | 1.6 | |
| Carbon tetrachlorid | e | ND | 0.20 | | ND | 1.3 | |
| Chlorobenzene | | ND | 0.40 | | ND | 1.8 | |
| Dibromochloromet | hane | ND | 0.40 | | ND | 3.4 | |
| Chloroethane | | ND | 0.40 | | ND | 1.1 | |
| Chloroform | | ND | 0.40 | | ND | 2.0 | |

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Client Sample ID: 828128-SS-002-01

GC/MS Volatiles

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| REPORTING LIMIT (ppb(v/v)) 1.0 1.0 0.40 0.40 0.40 0.40 0.40 0.40 | RESULTS (ug/m3) ND 6.2 ND ND 3.1 3.6 ND | REPORTING LIMIT (ug/m3) 2.1 3.4 2.4 2.4 2.4 2.4 2.4 2.0 1.6 |
|---|---|---|
| 1.0 1.0 0.40 0.40 0.40 0.40 0.40 | ND 6.2 ND ND 3.1 3.6 ND | 2.1 3.4 2.4 2.4 2.4 2.4 2.0 1.6 |
| 1.0 0.40 0.40 0.40 0.40 0.40 | 6.2 ND ND 3.1 3.6 ND | 3.4 2.4 2.4 2.4 2.0 1.6 |
| 0.40 0.40 0.40 0.40 0.40 | ND ND 3.1 3.6 ND | 2.4 2.4 2.4 2.0 1.6 |
| 0.40 0.40 0.40 0.40 | ND 3.1 3.6 ND | 2.4 2.4 2.0 1.6 |
| 0.40 0.40 0.40 | 3.1 3.6 ND | 2.4 2.0 1.6 |
| 0.40 0.40 | 3.6 ND | 2.0 1.6 |
| 0.40 | ND | 1.6 |
| | | |
| 0.40 | ND | 1.6 |
| 0.40 | ND | 1.8 |
| 0.40 | ND | 1.8 |
| | | LABORATORY |
| PERCENT RECOVERY | | CONTROL LIMITS (%) |
| | 0.40 0.40 PERCENT RECOVERY | 0.40 ND 0.40 ND PERCENT RECOVERY |

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Client Sample ID: 828128-SS-003-01

GC/MS Volatiles

| Date Sampled 02/17/2011 Prop Batch A 02/24/2011 Prep Batch A 02/24/2011 02/24/2011 02/24/2011 Prep Batch A 02/24/2011 02/24/2011 02/24/2011 Prep Batch A 5 Metbe TO-15 PARAMETER RESULTS REPORTING LMMT (up/n3) LMMT (up/n3) truns 1,3-Dichloroproper ND 0.40 ND 1.8 1,2-Dichloroproper ND 0.40 ND 3.6 Ethanol ND 1.0 ND 3.6 Ethanol ND 0.40 ND 3.6 Ethanol ND 0.40 ND 2.2 Preschiorobulatione ND 0.40 ND 3.6 Pacadohoride ND 1.0 ND 3.5 Pacadohorobulatione ND 1.0 ND 3.6 Pacadohorobulatione ND 0.40 ND 3.6 1,12/2-Tichlorobulatione ND 0.40 ND 2.2 <th>Lot-Sample #</th> <th>H1B220452 - 003</th> <th></th> <th>Work (</th> <th>Order #</th> <th>MENMN1/</th> <th>ЧA</th> <th>Matrix</th> <th>:</th> <th>AIR</th> | Lot-Sample # | H1B220452 - 003 | | Work (| Order # | MENMN1/ | ЧA | Matrix | : | AIR |
|--|--------------------------|------------------|-----------------------|---------|-----------------------|---------------|--------------------|--------|-----------------------|------------|
| Prep Bate: 0/2/2/2011 Analysis Date 0/2/2/2011 Prep Bateh #: 1056173 TO-15 Duttor Factor: 5 Method: TO-15 PARAMETER RESULTS REPORTING RESULTS REPORTING tans-1,3-Dichlotopropene ND 0.40 ND 2.8 ano | Date Sampled: | 02/17/2011 | | Date R | eceived: | 02/19/2011 | | | | |
| Prep Bath #: Dlution Factor:1056173Durbus precision5MetholocolumicTO-15PARAMETERLSSULTS (ppic/v/)REPORTING LMT (ppic/v/)REPORTING (ppin3)REPORTING (ppin3)PARAMETERND0.40ND1.81.2-Dichloropro-ND0.40ND2.81.4-Dioxano-ND0.40ND2.8and0.40ND2.8andND0.40ND3.6EthylbaceneND0.40ND3.6TichloroflovoromchanoND0.40ND2.2If exaconoND0.40ND3.52.2_4-TrimethylpettanoND1.0ND3.5BaczaneND1.0ND3.5GenzeneND0.40ND3.5BaczaneND0.40ND3.5BaczaneND0.40ND3.5BaczaneND0.40ND2.7BaczaneND0.40ND2.7BaczaneND0.40ND2.2Ital-SchloroethanoND0.40ND2.2Ital-SchloroethanoND0.40ND2.2Ital-SchloroethanoND0.40ND2.2Ital-SchloroethanoND0.40ND2.2Ital-SchloroethanoND0.40ND2.2Ital-SchloroethanoND0.40ND2.2Ital-SchloroethanoND0.40 <td>Prep Date:</td> <td>02/24/2011</td> <td></td> <td>Analysi</td> <td>is Date</td> <td>02/24/2011</td> <td></td> <td></td> <td></td> <td></td> | Prep Date: | 02/24/2011 | | Analysi | is Date | 02/24/2011 | | | | |
| Dilution Factor:5MethodTO-15PARAMETERRESULTS (pdt(v/v))RESULTS (mdm, m)REPORTING (mdm, m)REPORTING (mdm, m)trans-1,3-DichloropropeneND0.40ND1.81,2-Dichloro-1,1,2-2-tetrafluoroethND0.40ND2.8ano101.0ND3.6EthanolND4.0ND3.6EthanolND0.40ND2.2HexachlorobutadieneND0.40ND2.2HexachlorobutadieneND0.40ND3.5-HexaneND1.0ND3.52,2,4-TrinethylpentaneND1.6ND4.9Methylene chlorideND1.6ND3.5BenzeneND0.40ND1.3Benzyl chlorideND0.40ND2.7TottakorobutadieneND0.40ND1.3Benzyl chlorideND0.40ND2.7TottakorobutadienND0.40ND2.7TottakorobutaneND0.40ND2.7TottakorobutaneND0.40ND2.7TottakorobutaneND0.40ND2.21,1,1,1;2;TetrakolorobutaneND0.40ND2.21,1,1,2;TetrakolorobutaneND0.40ND2.21,1,1,1;TetrikolorobutaneND0.40ND2.21,1,2;TetrikolorobutaneND0.40ND2.21,1, | Prep Batch #: | 1056173 | | | | | | | | |
| PARAMIETERRESULTS (ppb(v/v))REPORTINO LIMIT (ppb(v/v))RESULTS (ng/m3)REPORTINO LIMIT (ng/m3)trans.1.3-DichloropropeneND0.40ND1.81.2-Dichloro-1,1,2-2-terrafluoroethND0.40ND2.8ane | Dilution Factor.: | 5 | | Method | I: | TO-15 | | | | |
| Ins. 1, 3-Dichloropropene ND 0.40 ND 1.8 1,2-Dichloro-1, 1, 2, 2-tetraftluoroch ND 0.40 ND 2.8 ane | PARAMETER | | RESULTS (ppb(v/v)) | | REPORTIN LIMIT (pp | 4G 5(v/v)) | RESULTS (ug/m3) | | REPORTII LIMIT (ug | NG /m3) |
| trans 1,3-DichloropropeneND0.40ND1.81,2-Dichloro-1,1,2,2-tetrafluoroethND0.40ND2.8are | | | | | | | | | | |
| 1.2-Dichloro-1,1,2,2-tetrafluoroethND0.40ND2.8ane1.4-DioxaneND1.0ND3.6EthanolND4.0ND7.5Ethylhenzene0.920.404.0ND2.2HexachlorobutadieneND0.40ND3.52,24-TrimethylpentaneND1.0ND4.7tert-Butyl alcoholND1.6ND4.9Methylene chlorideND1.6ND3.5BenzeneND1.0ND3.5BenzeneND0.40ND1.3BenzeneND0.40ND1.3BenzeneND0.40ND1.3BenzeneND0.40ND2.7ToteneND0.40ND2.7ToteneND0.40ND2.7ToteneND0.40ND2.7ToteneND0.40ND2.21,1,2,2-TetrachloroethaneND0.40ND2.21,1,2,1-TrichloroethaneND0.40ND2.2TriehloroethaneND0.40ND2.2TriehloroethaneND0.40ND2.2TriehloroethaneND0.40ND2.2TriehloroethaneND0.40ND2.01,1,2-TriehloroethaneND0.40ND2.01,1,2-TriehloroethaneND0.40ND2.01,3-TriinethylbenzeneND <td>trans-1,3-Dichlorop</td> <td>propene</td> <td>ND</td> <td></td> <td>0.40</td> <td></td> <td>ND</td> <td></td> <td>1.8</td> <td></td> | trans-1,3-Dichlorop | propene | ND | | 0.40 | | ND | | 1.8 | |
| ane 1,4-Dioxane ND 1.0 ND 3.6 Ethanol ND 4.0 ND 7.5 Ethylbenzne 0.92 0.40 4.0 1.7 Trichlorofhuoromethane ND 0.40 ND 2.2 Hexashlorobutadiene ND 0.40 ND 3.5 2,2,4-Trimethylpentane ND 1.0 ND 4.7 tert-Butyl alcohol ND 1.0 ND 4.9 Methylene chloride ND 0.40 ND 3.5 Benzene ND 0.40 ND 3.5 Styrene 0.84 0.40 ND 2.7 Tothenee ND 0.40 ND 2.7 Tothenee ND 0.40 ND 2.2 1,1,2,2-Tetrachloroethane ND 0.40 ND 2.2 1,1,2,4-Trichloroethane ND 0.40 ND 2.2 1,1,2,4-Trichloroethane ND 0.40 ND | 1,2-Dichloro-1,1,2, | 2-tetrafluoroeth | ND | | 0.40 | | ND | | 2.8 | |
| 1.4-DioxaneND1.0ND3.6EthanolND4.0ND7.5Ethaylbenzne0.920.40ND2.2HexachlorobutadieneND0.40ND2.2HexachlorobutadieneND0.40ND3.52,2,4-TrimethylpentaneND1.0ND3.52,2,4-TrimethylpentaneND1.6ND4.7tert-Bulyl alcoholND1.6ND3.5BenzeneND0.40ND3.5BenzeneND0.40ND1.3BenzeneND0.40ND2.7Totnene0.840.40ND2.7TotneneND0.40ND2.7TotneneND0.40ND3.01,1,2,2-TetrachloroethaneND0.40ND2.21,2,4-TricholorobenzeneND0.40ND2.21,2,4-TricholoroethaneND0.40ND2.21,1,2-TritholoroethaneND0.40ND2.01,1,2-TritholoroethaneND0.40ND2.01,1,2-TritholoroethaneND0.40ND2.01,2,4-TritholybenzeneND0.40ND2.01,3-TritholoroethaneND0.40ND2.01,3-TritholoroethaneND0.40ND2.01,3-TritholoroethaneND0.40ND2.01,3-TritholoroethaneND0.40ND2.01 | ane | | | | | | | | | |
| HinanolND4.0ND7.5Ethylbenzene0.920.404.01.7TrichlorofuloromethaneND0.40ND2.2HexachlorobutadieneND0.40ND4.3n-HexaneND1.0ND3.52,4-TriinethylpentaneND1.6ND4.7tert-Butyl alcoholND1.6ND4.9Methylene chlorideND1.6ND3.5BenzeneND0.40ND4.1Styrene0.840.403.61.71,1,2,2-TetrachloroethaneND0.40ND2.7TetrachloroethaneND0.40ND2.7Toincen0.700.40ND2.2TrichloroethaneND0.40ND2.21,1,2-TrichloroethaneND0.40ND2.2TrichloroethaneND0.40ND2.21,1,2-TrichloroethaneND0.40ND2.2TrichloroethaneND0.40ND2.2TrichloroethaneND0.40ND2.2TrichloroethaneND0.40ND2.2TrichloroethaneND0.40ND2.01,3-TrinethylbenzeneND0.40ND2.01,3-TrinethylbenzeneND0.40ND2.01,3-TrinethylbenzeneND0.40ND2.71,2-TrichloroethaneND0.40ND2.71,2 | 1,4-Dioxane | | ND | | 1.0 | | ND | | 3.6 | |
| Ethylbenzene0.920.404.01.7TrichlorofluoromethaneND0.40ND2.2HexahlorobutadieneND0.40ND4.3n-HexaneND1.0ND3.52,2,4-TrimethylpentaneND1.6ND4.7tert-Butyl alcoholND1.6ND3.5BenzeneND1.0ND3.5BenzeneND0.40ND1.3Benzyl chlorideND0.40ND2.7Styrene0.840.40ND2.7TetrachloroethaneND0.40ND2.7Totuene0.700.40ND2.21,1,2,2-TetrachloroethaneND0.40ND2.21,1,2,TrichlorobenzeneND0.40ND2.21,1,1-TrichloroethaneND0.40ND2.21,1,2-TrichloroethaneND0.40ND2.21,1,2-TrichloroethaneND0.40ND2.21,1,1-TrichloroethaneND0.40ND2.01,1,1-TrichloroethaneND0.40ND2.01,3,5-TrimethylbenzeneND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.11,2,2-TrichloroothaneND0.40ND3.11,2,4-TrimethylbenzeneND0.40ND3.1< | Ethanol | | ND | | 4.0 | | ND | | 7.5 | |
| Trichlorothurorethane ND 0.40 ND 2.2 Hexachlorothuatene ND 0.40 ND 4.3 n-Hexane ND 1.0 ND 4.7 2,2,4-Trimethylpentane ND 1.0 ND 4.7 tert-Butyl alcohol ND 1.6 ND 4.7 Methylene chloride ND 0.40 ND 3.5 Benzene ND 0.40 ND 4.1 Styrene 0.84 0.40 ND 2.7 Tetachloroethane ND 0.40 ND 2.7 Toluene 0.70 0.40 ND 3.0 1,1,1-Trichloroethane ND 0.40 ND 2.2 1,1,2-Trichloroethane ND 0.40 ND 2.2 1,1,1-Trichloroethane ND 0.40 ND 2.0 1,1,1-Trichloroethane ND 0.40 ND 2.0 1,1,2-Trichloroethane ND 0.40 ND 2.0 </td <td>Ethylbenzene</td> <td></td> <td>0.92</td> <td></td> <td>0.40</td> <td></td> <td>4.0</td> <td></td> <td>1.7</td> <td></td> | Ethylbenzene | | 0.92 | | 0.40 | | 4.0 | | 1.7 | |
| Hexachlorobutadiene ND 0.40 ND 4.3 n-Hexane ND 1.0 ND 3.5 2,4-Trimethylpentane ND 1.0 ND 4.7 tert-Butyl alcohol ND 1.6 ND 4.9 Methylene chloride ND 0.40 ND 3.5 Benzene ND 0.40 ND 1.3 Benzyl chloride ND 0.80 ND 4.1 Styrene 0.84 0.40 ND 2.7 Tetrachloroethane ND 0.40 ND 2.2 1,1,2-Trichloroethane ND 0.40 ND 2.2 Trichloroethane ND 0.40 ND 2.0 1,3,5-Trimethylbenzene ND 0.40 ND 2.9 <tr< td=""><td>Trichlorofluoromet</td><td>hane</td><td>ND</td><td></td><td>0.40</td><td></td><td>ND</td><td></td><td>2.2</td><td></td></tr<> | Trichlorofluoromet | hane | ND | | 0.40 | | ND | | 2.2 | |
| n-HexaneND1.0ND3.52,2,4-TrimethylpentaneND1.0ND4.7tert-Butyl akoholND1.6ND3.5Methylene chlorideND1.0ND3.5BenzeneND0.40ND1.3Benzyl chlorideND0.80ND4.1Styrene0.840.403.61.71,1,2,2-TetrachloroethaneND0.40ND2.7TetrachloroethaneND0.40ND2.7Toluene0.700.40ND2.21,2,4-TrichlorobenzeneND0.40ND2.21,2,4-TrichloroethaneND0.40ND2.21,2,4-TrichloroethaneND0.40ND2.21,3,5-TrimethylbenzeneND0.40ND2.01,3,5-TrimethylbenzeneND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.11,2-TrichloroethaneND0.40ND2.11,2-Tric | Hexachlorobutadie | ne | ND | | 0.40 | | ND | | 4.3 | |
| 2,2,4-Trimethylpentane ND 1.0 ND 4.7 tert-Butyl alcohol ND 1.6 ND 4.9 Methylene chloride ND 0.40 ND 3.5 Benzene ND 0.40 ND 1.3 Benzyl chloride ND 0.80 ND 4.1 Styrene 0.84 0.40 3.6 1.7 1,1,2,2-Tetrachloroethane ND 0.40 ND 2.7 Tetrachloroethane ND 0.40 ND 2.0 1,1,2-Trichloroethane ND 0.40 ND 2.2 Toluene 0.70 0.40 ND 2.2 1,1,2-Trichloroethane ND 0.40 ND 2.2 1,1,2-Trichloroethane ND 0.40 ND 2.0 1,2,4-Trimethylbenzene ND 0.40 ND 2.0 Vinyl chloride ND 0.40 ND 2.0 Vinyl chloride ND 0.40 ND 3.1 | n-Hexane | | ND | | 1.0 | | ND | | 3.5 | |
| tert-Butyl alcoholND1.6ND4.9Methylene chlorideND1.0ND3.5BenzeneND0.40ND1.3Benzyl chlorideND0.80ND4.1Styrene0.840.403.61.71,1,2,2-TetrachloroethaneND0.40ND2.7TetrachloroethaneND0.40ND2.7Totuene0.700.40ND3.01,1,1-TrichlorobenzeneND0.40ND3.01,1,1-TrichloroethaneND0.40ND2.21,1,2-TrichloroethaneND0.40ND2.21,1,2-TrichloroethaneND0.40ND2.21,1,2-TrichloroethaneND0.40ND2.01,3,5-TrimethylbenzeneND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.91,1,2-TrichloroethaneND0.40ND2.91,1,2-TrichloroethaneND0.40ND2.71,2-LoithorottrifluoroethaneND0.40ND2.91,1,2-TrichlorottrifluoroethaneND0.40ND2.71,2-Dibromothane (EDB)ND0.40ND3.12-Butanone (MEK)ND1.6ND4.1BromodichloromethaneND0.40ND4.1Bromodichloroethane< | 2,2,4-Trimethylpen | tane | ND | | 1.0 | | ND | | 4.7 | |
| Methylene chloride ND 1.0 ND 3.5 Benzyen ND 0.40 ND 1.3 Benzyl chloride ND 0.80 ND 4.1 Styrene 0.84 0.40 3.6 1.7 1,1,2,2-Tetrachloroethane ND 0.40 ND 2.7 Tetrachloroethane ND 0.40 ND 2.7 Toluene 0.70 0.40 ND 2.7 1,1,2-Trichloroethane ND 0.40 ND 2.2 1,1,1-Trichloroethane ND 0.40 ND 2.2 1,1,2-Trichloroethane ND 0.40 ND 2.2 1,1,2-Trichloroethane ND 0.40 ND 2.0 1,3,5-Trimethylbenzene ND 0.40 ND 2.0 Vinyl chloride ND 0.40 ND 2.0 vinyl chloride ND 0.40 ND 2.0 vinyl chloride ND 0.40 ND 2.0 </td <td>tert-Butyl alcohol</td> <td></td> <td>ND</td> <td></td> <td>1.6</td> <td></td> <td>ND</td> <td></td> <td>4.9</td> <td></td> | tert-Butyl alcohol | | ND | | 1.6 | | ND | | 4.9 | |
| BenzeneND0.40ND1.3Benzyl chlorideND0.80ND4.1Styrene0.840.40ND2.7TetrachloroethaneND0.40ND2.7TetrachloroethaneND0.40ND2.7Toluene0.700.40ND3.01,1,2-TrichloroethaneND0.40ND3.01,1,1-TrichloroethaneND0.40ND2.21,1,2-TrichloroethaneND0.40ND2.21,1,2-TrichloroethaneND0.40ND2.21,2,2-TrichloroethaneND0.40ND2.01,3,5-TrimethylbenzeneND0.40ND2.01,3,5-TrimethylbenzeneND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.91,1,2-TrichloroethaneND0.40ND3.1m-Xylene & p-Xylene3.50.40151.7BromodichloromethaneND0.40ND3.12-Butanone (MEK)ND1.6ND4.1Bromodichlane (EDB)ND1.0ND4.1BromodichaneND0.40ND4.1BromodichaneND0.40ND4.1 <t< td=""><td>Methylene chloride</td><td>•</td><td>ND</td><td></td><td>1.0</td><td></td><td>ND</td><td></td><td>3.5</td><td></td></t<> | Methylene chloride | • | ND | | 1.0 | | ND | | 3.5 | |
| Benzyl chlorideND0.80ND4.1Styrene0.840.403.61.7I,1,2,2-TetrachloroethaneND0.40ND2.7TotachloroethaneND0.40ND2.7Toluene0.700.40ND3.01,1,1-TrichloroethaneND0.40ND2.21,1,2-TrichloroethaneND0.40ND2.21,1,2-TrichloroethaneND0.40ND2.2TrichloroethaneND0.40ND2.2TrichloroethaneND0.40ND2.01,3,5-TrimethylbenzeneND0.40ND2.01,3,5-TrimethylbenzeneND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.01,1,2-TrichloroethaneND0.40ND2.01,2,4-TrimethylbenzeneND0.40ND2.01,2,4-TrimethylbenzeneND0.40ND2.01,2,4-TrimethylbenzeneND0.40ND2.01,1,2-TrichloroethaneND0.40ND2.01,2,2-TrichloroethaneND0.40ND2.01,2,2-TrichloroethaneND0.40ND2.71,2-TrichloroethaneND0.40ND3.1 | Benzene | | ND | | 0.40 | | ND | | 1.3 | |
| Styrene0.840.403.61.71,1,2,2-TetrachloroethaneND0.40ND2.7TetrachloroethaneND0.40ND2.7Toluene0.700.40ND3.01,2,4-TrichlorobenzeneND0.40ND3.01,1,1-TrichloroethaneND0.40ND2.21,1,2-TrichloroethaneND0.40ND2.21,1,2-TrichloroethaneND0.40ND2.21,2,4-TrimethylbenzeneND0.40ND2.01,3,5-TrimethylbenzeneND0.40ND2.01,3,5-TrimethylbenzeneND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.91,1,2-TrichloroethaneND0.40ND3.1m-Xylene & p-Xylene3.50.40151.7BromodichloromethaneND0.40ND3.1-Y-Subiromoethane (EDB)ND1.6ND4.1BromofornND0.40ND4.1BromofornND0.40ND4.1BromofornND0.40ND1.6Carbon tetrachlorideND0.40ND | Benzyl chloride | | ND | | 0.80 | | ND | | 4.1 | |
| 1,1,2,2-Tetrachloroethane ND 0.40 ND 2.7 Tetrachloroethane ND 0.40 ND 2.7 Toluene 0.70 0.40 ND 2.7 Toluene 0.70 0.40 ND 2.7 1,2,4-Trichloroethane ND 0.40 ND 3.0 1,1,1-Trichloroethane ND 0.40 ND 2.2 1,1,2-Trichloroethane ND 0.40 ND 2.2 Trichloroethane ND 0.20 ND 1.1 1,2,4-Trimethylbenzene ND 0.40 ND 2.0 1,3,5-Trimethylbenzene ND 0.40 ND 2.0 Vinyl chloride ND 0.40 ND 2.0 Vinyl chloride ND 0.40 ND 2.0 Vinyl chloride ND 0.40 ND 3.1 m-Xylene & p-Xylene 3.5 0.40 ND 3.1 m-Xylene & p-Xylene 3.5 0.40 ND <td< td=""><td>Styrene</td><td></td><td>0.84</td><td></td><td>0.40</td><td></td><td>3.6</td><td></td><td>1.7</td><td></td></td<> | Styrene | | 0.84 | | 0.40 | | 3.6 | | 1.7 | |
| TetrachloroetheneND0.40ND2.7Toluene0.700.402.61.51,2,4-TrichlorobenzeneND0.40ND3.01,1,1-TrichloroethaneND0.40ND2.21,1,2-TrichloroethaneND0.40ND2.2TrichloroethaneND0.40ND2.2TrichloroethaneND0.40ND2.01,3,5-TrimethylbenzeneND0.40ND2.01,3,5-TrimethylbenzeneND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND2.01,2-TrichlorotrifluoroethaneND0.40ND2.01,2-TrichlorotrifluoroethaneND0.40ND3.1methyl expense3.50.40151.7Bromodichloromethane (EDB)ND1.6ND4.1BromoformND0.40ND4.1BromoformND0.40ND4.1BromoformND0.40ND1.6Carbon tetrachlorideND0.20ND1.3ChlorobenzeneND0.20ND1.3 <td>1,1,2,2-Tetrachloro</td> <td>ethane</td> <td>ND</td> <td></td> <td>0.40</td> <td></td> <td>ND</td> <td></td> <td>2.7</td> <td></td> | 1,1,2,2-Tetrachloro | ethane | ND | | 0.40 | | ND | | 2.7 | |
| Toluene0.700.402.61.51,2,4-TrichlorobenzeneND0.40ND3.01,1,1-TrichloroethaneND0.40ND2.21,1,2-TrichloroethaneND0.40ND2.2TrichloroethaneND0.20ND1.11,2,4-TrimethylbenzeneND0.40ND2.01,3,5-TrimethylbenzeneND0.40ND2.01,3,5-TrimethylbenzeneND0.40ND2.0Vinyl chlorideND0.40ND2.0Vinyl chlorideND0.40ND1.0o-Xylene0.860.403.71.7Methyl tert-butyl etherND0.80ND2.91,1,2-TrichloroethaneND0.40ND3.1m-Xylene & p-Xylene3.50.40151.7BromodichloromethaneND0.40ND3.12-Butanone (MEK)ND1.6ND4.1BromoformND0.40ND4.1BromomethaneND0.40ND4.1BromoformND0.40ND4.1BromomethaneND0.40ND1.6Carbon tetrachlorideND0.40ND1.3ChlorobenzeneND0.40ND1.3ChlorobenzeneND0.40ND1.3ChlorobenzeneND0.40ND1.3ChlorobenzeneND0.40ND1.3 <t< td=""><td>Tetrachloroethene</td><td></td><td>ND</td><td></td><td>0.40</td><td></td><td>ND</td><td></td><td>2.7</td><td></td></t<> | Tetrachloroethene | | ND | | 0.40 | | ND | | 2.7 | |
| 1,2,4-Trichlorobenzene ND 0.40 ND 3.0 1,1,1-Trichloroethane ND 0.40 ND 2.2 1,1,2-Trichloroethane ND 0.40 ND 2.2 Trichloroethane ND 0.20 ND 1.1 1,2,4-Trimethylbenzene ND 0.40 ND 2.0 1,3,5-Trimethylbenzene ND 0.40 ND 2.0 1,3,5-Trimethylbenzene ND 0.40 ND 2.0 Vinyl chloride ND 0.40 ND 2.0 1,1,2-Trichloroethane ND 0.40 ND 2.7 1,2-Dibromoethane ND 0.40 ND 2.7 1,2-Dibromoethane (EDB) ND 1.6 ND 4.1 Bromoform ND 0.40 ND 4.1 | Toluene | | 0.70 | | 0.40 | | 2.6 | | 1.5 | |
| 1,1,1-Trichloroethane ND 0.40 ND 2.2 1,1,2-Trichloroethane ND 0.40 ND 2.2 Trichloroethane ND 0.20 ND 1.1 1,2,4-Trimethylbenzene ND 0.40 ND 2.0 1,3,5-Trimethylbenzene ND 0.40 ND 2.0 Vinyl chloride ND 0.40 ND 1.0 o-Xylene 0.86 0.40 3.7 1.7 Methyl tert-butyl ether ND 0.80 ND 2.9 1,1,2-Trichlorotrifluoroethane ND 0.40 ND 3.1 m-Xylene & p-Xylene 3.5 0.40 ND 3.1 gromodichloromethane ND 0.40 ND 4.1 Bromoform ND 1.6 ND 4.1 | 1,2,4-Trichlorobenz | zene | ND | | 0.40 | | ND | | 3.0 | |
| 1,1,2-TrichloroethaneND 0.40 ND 2.2 TrichloroethaneND 0.20 ND 1.1 $1,2,4$ -TrimethylbenzeneND 0.40 ND 2.0 $1,3,5$ -TrimethylbenzeneND 0.40 ND 2.0 Vinyl chlorideND 0.40 ND 1.0 $o-Xylene$ 0.86 0.40 3.7 1.7 Methyl tert-butyl etherND 0.40 ND 2.9 $1,1,2$ -TrichlorotrifluoroethaneND 0.40 ND 3.1 $m-Xylene & p-Xylene$ 3.5 0.40 15 1.7 BromodichloromethaneND 0.40 ND 2.7 $1,2$ -Dibromoethane (EDB)ND 0.40 ND 3.1 2 -Butanone (MEK)ND 1.6 ND 4.1 BromoformND 0.40 ND 4.1 BromoformND 0.40 ND 4.1 BromofethaneND 0.40 ND 1.6 Carbon tetrachlorideND 0.20 ND 1.3 ChlorobenzeneND 0.20 ND 1.8 | 1,1,1-Trichloroetha | ne | ND | | 0.40 | | ND | | 2.2 | |
| Trichloroethene ND 0.20 ND 1.1 1,2,4-Trimethylbenzene ND 0.40 ND 2.0 1,3,5-Trimethylbenzene ND 0.40 ND 2.0 Vinyl chloride ND 0.40 ND 2.0 orxylene 0.86 0.40 ND 1.0 o-Xylene 0.86 0.40 3.7 1.7 Methyl tert-butyl ether ND 0.40 ND 2.9 1,1,2-Trichloroethane ND 0.40 ND 3.1 m-Xylene & p-Xylene 3.5 0.40 ND 2.7 1,2-Dibromoethane (EDB) ND 0.40 ND 3.1 2-Butanone (MEK) ND 1.6 ND 4.7 4-Methyl-2-pentanone (MIBK) ND 1.6 ND 4.1 Bromoform ND 0.40 ND 4.1 Bromomethane ND 0.40 ND 4.1 Bromoform ND 0.40 ND 1.6 | 1,1,2-Trichloroetha | ine | ND | | 0.40 | | ND | | 2.2 | |
| 1,2,4-TrimethylbenzeneND 0.40 ND 2.0 $1,3,5$ -TrimethylbenzeneND 0.40 ND 2.0 Vinyl chlorideND 0.40 ND 1.0 $o-Xylene$ 0.86 0.40 3.7 1.7 Methyl tert-butyl etherND 0.80 ND 2.9 $1,1,2$ -TrichlorotrifluoroethaneND 0.40 ND 3.1 $m-Xylene & p-Xylene$ 3.5 0.40 15 1.7 BromodichloromethaneND 0.40 ND 2.7 $1,2$ -Dibromoethane (EDB)ND 0.40 ND 3.1 2 -Butanone (MEK)ND 1.6 ND 4.7 4 -Methyl-2-pentanone (MIBK)ND 1.0 ND 4.1 BromofermND 0.40 ND 1.6 Carbon tetrachlorideND 0.20 ND 1.3 ChlorobenzeneND 0.20 ND 1.3 | Trichloroethene | | ND | | 0.20 | | ND | | 1.1 | |
| 1,3,5-TrimethylbenzeneND0.40ND2.0Vinyl chlorideND0.40ND1.0o-Xylene0.860.403.71.7Methyl tert-butyl etherND0.80ND2.91,1,2-TrichlorotrifluoroethaneND0.40ND3.1m-Xylene & p-Xylene3.50.40151.7BromodichloromethaneND0.40ND3.11,2-Dibromoethane (EDB)ND0.40ND3.12-Butanone (MEK)ND1.6ND4.1BromoformND0.40ND4.1BromomethaneND0.40ND1.6Carbon tetrachlorideND0.20ND1.3ChlorobenzeneND0.40ND1.3 | 1,2,4-Trimethylben | zene | ND | | 0.40 | | ND | | 2.0 | |
| Vinyl chlorideND0.40ND1.0o-Xylene0.860.403.71.7Methyl tert-butyl etherND0.80ND2.91,1,2-TrichlorotrifluoroethaneND0.40ND3.1m-Xylene & p-Xylene3.50.40151.7BromodichloromethaneND0.40ND2.71,2-Dibromoethane (EDB)ND0.40ND3.12-Butanone (MEK)ND1.6ND4.74-Methyl-2-pentanone (MIBK)ND1.0ND4.1BromoformND0.40ND1.6Carbon tetrachlorideND0.20ND1.3ChlorobenzeneND0.40ND1.3ChlorobenzeneND0.40ND1.3 | 1,3,5-Trimethylben | zene | ND | | 0.40 | | ND | | 2.0 | |
| o-Xylene0.860.403.71.7Methyl tert-butyl etherND0.80ND2.91,1,2-TrichlorotrifluoroethaneND0.40ND3.1m-Xylene & p-Xylene3.50.40151.7BromodichloromethaneND0.40ND2.71,2-Dibromoethane (EDB)ND0.40ND3.12-Butanone (MEK)ND1.6ND4.74-Methyl-2-pentanone (MIBK)ND1.0ND4.1BromoformND0.40ND4.1BromomethaneND0.40ND1.6Carbon tetrachlorideND0.20ND1.3ChlorobenzeneND0.40ND1.8 | Vinyl chloride | | ND | | 0.40 | | ND | | 1.0 | |
| Methyl tert-butyl etherND0.80ND2.91,1,2-TrichlorottrifluoroethaneND0.40ND3.1m-Xylene & p-Xylene3.50.40151.7BromodichloromethaneND0.40ND2.71,2-Dibromoethane (EDB)ND0.40ND3.12-Butanone (MEK)ND1.6ND4.74-Methyl-2-pentanone (MIBK)ND1.0ND4.1BromoformND0.40ND4.1BromoformND0.40ND1.6Carbon tetrachlorideND0.20ND1.3ChlorobenzeneND0.40ND1.8 | o-Xylene | | 0.86 | | 0.40 | | 3.7 | | 1.7 | |
| 1,1,2-TrichlorotrifluoroethaneND0.40ND3.1m-Xylene & p-Xylene3.50.40151.7BromodichloromethaneND0.40ND2.71,2-Dibromoethane (EDB)ND0.40ND3.12-Butanone (MEK)ND1.6ND4.74-Methyl-2-pentanone (MIBK)ND1.0ND4.1BromoformND0.40ND4.1BromofethaneND0.40ND1.6Carbon tetrachlorideND0.20ND1.3ChlorobenzeneND0.40ND1.3 | Methyl tert-butyl et | ther | ND | | 0.80 | | ND | | 2.9 | |
| m-Xylene & p-Xylene3.50.40151.7BromodichloromethaneND0.40ND2.71,2-Dibromoethane (EDB)ND0.40ND3.12-Butanone (MEK)ND1.6ND4.74-Methyl-2-pentanone (MIBK)ND1.0ND4.1BromoformND0.40ND4.1BromoformND0.40ND1.6Carbon tetrachlorideND0.20ND1.3ChlorobenzeneND0.40ND1.8 | 1,1,2-Trichlorotrifl | uoroethane | ND | | 0.40 | | ND | | 3.1 | |
| BromodichloromethaneND0.40ND2.71,2-Dibromoethane (EDB)ND0.40ND3.12-Butanone (MEK)ND1.6ND4.74-Methyl-2-pentanone (MIBK)ND1.0ND4.1BromoformND0.40ND4.1BromomethaneND0.40ND1.6Carbon tetrachlorideND0.20ND1.3ChlorobenzeneND0.40ND1.8 | m-Xylene & p-Xyl | ene | 3.5 | | 0.40 | | 15 | | 1.7 | |
| 1,2-Dibromoethane (EDB)ND0.40ND3.12-Butanone (MEK)ND1.6ND4.74-Methyl-2-pentanone (MIBK)ND1.0ND4.1BromoformND0.40ND4.1BromomethaneND0.40ND1.6Carbon tetrachlorideND0.20ND1.3ChlorobenzeneND0.40ND1.8 | Bromodichloromet | hane | ND | | 0.40 | | ND | | 2.7 | |
| 2-Butanone (MEK)ND1.6ND4.74-Methyl-2-pentanone (MIBK)ND1.0ND4.1BromoformND0.40ND4.1BromomethaneND0.40ND1.6Carbon tetrachlorideND0.20ND1.3ChlorobenzeneND0.40ND1.8 | 1,2-Dibromoethane | e (EDB) | ND | | 0.40 | | ND | | 3.1 | |
| 4-Methyl-2-pentanone (MIBK)ND1.0ND4.1BromoformND0.40ND4.1BromomethaneND0.40ND1.6Carbon tetrachlorideND0.20ND1.3ChlorobenzeneND0.40ND1.8 | 2-Butanone (MEK) |) | ND | | 1.6 | | ND | | 4.7 | |
| BromoformND0.40ND4.1BromomethaneND0.40ND1.6Carbon tetrachlorideND0.20ND1.3ChlorobenzeneND0.40ND1.8 | 4-Methyl-2-pentane | one (MIBK) | ND | | 1.0 | | ND | | 4.1 | |
| BromomethaneND0.40ND1.6Carbon tetrachlorideND0.20ND1.3ChlorobenzeneND0.40ND1.8 | Bromoform | | ND | | 0.40 | | ND | | 4.1 | |
| Carbon tetrachlorideND0.20ND1.3ChlorobenzeneND0.40ND1.8 | Bromomethane | | ND | | 0.40 | | ND | | 1.6 | |
| Chlorobenzene ND 0.40 ND 1.8 | Carbon tetrachlorid | le | ND | | 0.20 | | ND | | 1.3 | |
| | Chlorobenzene | | ND | | 0.40 | | ND | | 1.8 | |
| Dibromochloromethane ND 0.40 ND 3.4 | Dibromochloromet | hane | ND | | 0.40 | | ND | | 3.4 | |
| Chloroethane ND 0.40 ND 1.1 | Chloroethane | | ND | | 0.40 | | ND | | 1.1 | |
| Chloroform ND 0.40 ND 2.0 | Chloroform | | ND | | 0.40 | | ND | | 2.0 | |

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Client Sample ID: 828128-SS-003-01

GC/MS Volatiles

| Lot-Sample # H1B220452 - | 003 V | Vork Order # MENM | NIAA | Matrix: AIR |
|--------------------------|-----------------------|-------------------------------|--------------------|-------------------------------------|
| PARAMETER | RESULTS (ppb(v/v)) | REPORTING LIMIT (ppb(v/v)) | RESULTS (ug/m3) | REPORTING LIMIT (ug/m3) |
| Chloromethane | ND | 1.0 | ND | 2.1 |
| Cyclohexane | ND | 1.0 | ND | 3.4 |
| 1,2-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,3-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,4-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| Dichlorodifluoromethane | 0.47 | 0.40 | 2.3 | 2.0 |
| 1,1-Dichloroethane | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloroethane | ND | 0.40 | ND | 1.6 |
| 1,1-Dichloroethene | ND | 0.40 | ND | 1.6 |
| cis-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| trans-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloropropane | ND | 0.40 | ND | 1.8 |
| cis-1,3-Dichloropropene | ND | 0.40 | ND | 1.8 |
| SURROGATE | | PERCENT RECOVERY | | LABORATORY CONTROL LIMITS (%) |
| 4-Bromofluorobenzene | | 108 | | 60 - 140 |

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Client Sample ID: 828128-SS-004-01

GC/MS Volatiles

| Lot-Sample # H1B220452 - 00 | 4 | Work Order # | MENMQÍAA | Matrix AIR |
|-------------------------------------|-----------------------|-----------------------|-------------------------------|----------------------------|
| Date Sampled: 02/17/2011 | | Date Received: | 02/19/2011 | |
| Prep Date: 02/24/2011 | | Analysis Date | 02/24/2011 | |
| Prep Batch #: 1056173 | | | | |
| Dilution Factor.: 5 | | Method: | TO-15 | |
| PARAMETER | RESULTS (ppb(v/v)) | REPORTIN LIMIT (pp | NG RESULTS b(v/v)) (ug/m3) | REPORTING LIMIT (ug/m3) |
| | | | | |
| trans-1,3-Dichloropropene | ND | 0.40 | ND | 1.8 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroeth | ND | 0.40 | ND | 2.8 |
| ane | 177 | 4.0 | | |
| 1,4-Dioxane | ND | 1.0 | ND | 3.6 |
| Ethanol | 340 | 4.0 | 640 | 7.5 |
| Ethylbenzene | 1.1 ND | 0.40 | 4.9 | 1.7 |
| Trichlorofluoromethane | ND | 0.40 | ND | 2.2 |
| Hexachlorobutadiene | ND | 0.40 | ND | 4.3 |
| n-Hexane | ND | 1.0 | ND | 3.5 |
| 2,2,4-Trimethylpentane | ND | 1.0 | ND | 4.7 |
| tert-Butyl alcohol | 1.7 | 1.6 | 5.1 | 4.9 |
| Methylene chloride | ND | 1.0 | ND | 3.5 |
| Benzene | 0.60 | 0.40 | 1.9 | 1.3 |
| Benzyl chloride | ND | 0.80 | ND | 4.1 |
| Styrene | 0.67 | 0.40 | 2.8 | 1.7 |
| 1,1,2,2-Tetrachloroethane | ND | 0.40 | ND | 2.7 |
| Tetrachloroethene | ND | 0.40 | ND | 2.7 |
| Toluene | 2.1 | 0.40 | 7.7 | 1.5 |
| 1,2,4-Trichlorobenzene | ND | 0.40 | ND | 3.0 |
| 1,1,1-Trichloroethane | ND | 0.40 | ND | 2.2 |
| 1,1,2-Trichloroethane | ND | 0.40 | ND | 2.2 |
| Trichloroethene | ND | 0.20 | ND | 1.1 |
| 1,2,4-Trimethylbenzene | ND | 0.40 | ND | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 0.40 | ND | 2.0 |
| Vinyl chloride | ND | 0.40 | ND | 1.0 |
| o-Xylene | 1.0 | 0.40 | 4.4 | 1.7 |
| Methyl tert-butyl ether | ND | 0.80 | ND | 2.9 |
| 1,1,2-Trichlorotrifluoroethane | ND | 0.40 | ND | 3.1 |
| m-Xylene & p-Xylene | 3.8 | 0.40 | 17 | 1.7 |
| Bromodichloromethane | ND | 0.40 | ND | 2.7 |
| 1,2-Dibromoethane (EDB) | ND | 0.40 | ND | 3.1 |
| 2-Butanone (MEK) | ND | 1.6 | ND | 4.7 |
| 4-Methyl-2-pentanone (MIBK) | ND | 1.0 | ND | 4.1 |
| Bromoform | ND | 0.40 | ND | 4.1 |
| Bromomethane | ND | 0.40 | ND | 1.6 |
| Carbon tetrachloride | ND | 0.20 | ND | 1.3 |
| Chlorobenzene | ND | 0.40 | ND | 1.8 |
| Dibromochloromethane | ND | 0.40 | ND | 3.4 |
| Chloroethane | 0.48 | 0.40 | 1.3 | 1.1 |
| Chloroform | ND | 0.40 | ND | 2.0 |

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Client Sample ID: 828128-SS-004-01

GC/MS Volatiles

| Lot-Sample # H1B220452 - 00 | 4 | Work Order # MENMO | Q1AA | Matrix: AIR |
|-----------------------------|-----------------------|-------------------------------|--------------------|-------------------------------------|
| PARAMETER | RESULTS (ppb(v/v)) | REPORTING LIMIT (ppb(v/v)) | RESULTS (ug/m3) | REPORTING LIMIT (ug/m3) |
| Chloromethane | ND | 1.0 | ND | 2.1 |
| Cyclohexane | ND | 1.0 | ND | 3.4 |
| 1,2-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,3-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,4-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| Dichlorodifluoromethane | 0.60 | 0.40 | 3.0 | 2.0 |
| 1,1-Dichloroethane | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloroethane | 0.45 | 0.40 | 1.8 | 1.6 |
| 1,1-Dichloroethene | ND | 0.40 | ND | 1.6 |
| cis-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| trans-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloropropane | ND | 0.40 | ND | 1.8 |
| cis-1,3-Dichloropropene | ND | 0.40 | ND | 1.8 |
| SURROGATE | | PERCENT RECOVERY | | LABORATORY CONTROL LIMITS (%) |
| 4-Bromofluorobenzene | | 104 | | 60 - 140 |

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Client Sample ID: 828128-SS-003-02

GC/MS Volatiles

| Lot-Sample # | H1B220452 - 005 | | Work Order # | MENMR1A | ЧA | Matrix: | AIR |
|--------------------------|------------------|-----------------------|-----------------------|---------------|--------------------|--------------------------|----------|
| Date Sampled: | 02/17/2011 | | Date Received: | 02/19/2011 | | | |
| Prep Date: | 02/24/2011 | | Analysis Date | 02/24/2011 | | | |
| Prep Batch #: | 1056173 | | | | | | |
| Dilution Factor.: | 5 | | Method: | TO-15 | | | |
| PARAMETER | | RESULTS (ppb(v/v)) | REPORTII LIMIT (pp | NG b(v/v)) | RESULTS (ug/m3) | REPORTING LIMIT (ug/n | G 13) |
| trans 1.3 Dichloro | propaga | ND | 0.40 | | ND | 1.0 | |
| 1.2 Dichloro 1.1.2 | 2 tetrafluoroeth | | 0.40 | | ND | 1.0 | |
| ane | 2-letranuoroetti | ND | 0.40 | | ND | 20 | |
| 1.4-Dioxane | | ND | 1.0 | | ND | 3.6 | |
| Ethanol | | ND | 4.0 | | ND | 7.5 | |
| Ethylbenzene | | 0.87 | 0.40 | | 3.8 | 1.7 | |
| Trichlorofluorome | thane | ND | 0.40 | | ND | 2.2 | |
| Hexachlorobutadie | ene | ND | 0.40 | | ND | 4.3 | |
| n-Hexane | | ND | 1.0 | | ND | 3.5 | |
| 2,2,4-Trimethylper | ntane | ND | 1.0 | | ND | 4.7 | |
| tert-Butyl alcohol | | ND | 1.6 | | ND | 4.9 | |
| Methylene chloride | e | ND | 1.0 | | ND | 3.5 | |
| Benzene | | ND | 0.40 | | ND | 1.3 | |
| Benzyl chloride | | ND | 0.80 | | ND | 4.1 | |
| Styrene | | 0.78 | 0.40 | | 3.3 | 1.7 | |
| 1,1,2,2-Tetrachloro | oethane | ND | 0.40 | | ND | 2.7 | |
| Tetrachloroethene | | ND · | 0.40 | | ND | 2.7 | |
| Toluene | | 0.61 | 0.40 | | 2.3 | 1.5 | |
| 1,2,4-Trichloroben | zene | ND | 0.40 | | ND | 3.0 | |
| 1,1,1-Trichloroetha | ane | ND | 0.40 | | ND | 2.2 | |
| 1,1,2-Trichloroetha | ane | ND | 0.40 | | ND | 2.2 | |
| Trichloroethene | | ND | 0.20 | | ND | 1.1 | |
| 1,2,4-Trimethylber | nzene | ND | 0.40 | | ND | .2.0 | |
| 1,3,5-Trimethylber | izene | ND | 0.40 | | ND | 2.0 | |
| Vinyl chloride | | ND | 0.40 | | ND | 1.0 | |
| o-Xylene | | 0.81 | 0.40 | | 3.5 | 1.7 | |
| Methyl tert-butyl e | ther | ND | 0.80 | | ND | 2.9 | |
| 1,1,2-Trichlorotrifl | luoroethane | ND | 0.40 | | ND | 3.1 | |
| m-Xylene & p-Xyl | lene | 3.3 | 0.40 | | 14 | 1.7 | |
| Bromodicnioromet | | ND | 0.40 | | ND | 2.7 | |
| 2 Dutenana (MEK) | e (EDB) | ND | 0.40 | | ND | 3.1 | |
| 4 Mothul 2 nonton |) one (MIDV): | | 1.0 | | ND | 4.7 | |
| 4-methyl-z-pentan | one (MIDK) | ND | 1.0 | | ND | 4.1 | |
| Bromomothana | | | 0.40 | | | 4.1 | |
| Cathon tetrachloriv | le | | 0.40 | | | 1.0 | |
| Chlorobenzene | | עא חא | 0.20 | | | 1.3 | |
| Dibromochlorome | thane | | 0.40 | | ND | 1.0 2 <i>A</i> | |
| Chloroethane | urant | | 0.40 | | | J.4 1 1 | |
| Chloroform | | ND | 0.40 | | ND | 2.0 | |
| -mororonni | | | 0.70 | | 1 1 1 | 2.0 | |

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Client Sample ID: 828128-SS-003-02

GC/MS Volatiles

| Lot-Sample # H1B220452 - 005 | W | ork Order # MENMI | RIAA | Matrix: AIR |
|------------------------------|-----------------------|-------------------------------|--------------------|-------------------------------------|
| PARAMETER | RESULTS (ppb(v/v)) | REPORTING LIMIT (ppb(v/v)) | RESULTS (ug/m3) | REPORTING LIMIT (ug/m3) |
| Chloromethane | ND | 1.0 | ND | 2.1 |
| Cyclohexane | ND | 1.0 | ND | 3.4 |
| 1,2-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,3-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,4-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| Dichlorodifluoromethane | 0.42 | 0.40 | 2.1 | 2.0 |
| 1,1-Dichloroethane | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloroethane | ND | 0.40 | ND | 1.6 |
| 1,1-Dichloroethene | ND | 0.40 | ND | 1.6 |
| cis-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| trans-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloropropane | ND | 0.40 | ND | 1.8 |
| cis-1,3-Dichloropropene | ND | 0.40 | ND | 1.8 |
| SURROGATE | | PERCENT RECOVERY | | LABORATORY CONTROL LIMITS (%) |

4-Bromofluorobenzene

107

60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Client Sample ID: 828128-SS-005-01

GC/MS Volatiles

| Lot-Sample # | H1B220452 - 006 | | Work (| Order # | MENMT1A | A A | Matrix: | AIR |
|---------------------|---------------------------------------|------------|--------|--------------|---------------|------------|-----------|----------|
| Date Sampled: | 02/17/2011 | | Date R | eceived: | 02/19/2011 | | | |
| Prep Date: | 02/24/2011 | | Analys | is Date | 02/24/2011 | | | |
| Prep Batch #: | 1056173 | | | | mo 1 <i>5</i> | | | |
| Dilution Factor.: | 5 | | Metho | : ! : | 10-15 | | | |
| | | RESULTS | | REPORTI | NG | RESULTS | REPOR | TING |
| PARAMETER | | (ppb(v/v)) | | LIMIT (pp | b(v/v)) | (ug/m3) | LIMIT (| ug/m3) |
| | | | | | | | | <u> </u> |
| trans-1.3-Dichloro | propene | ND | | 0.40 | | ND | 1.8 | |
| 1,2-Dichloro-1,1,2 | ,2-tetrafluoroeth | ND | | 0.40 | | ND | 2.8 | |
| ane | | | | | | | | |
| 1,4-Dioxane | | ND | | 1.0 | | ND | 3.6 | |
| Ethanol | | 6.1 | | 4.0 | | 12 | 7.5 | |
| Ethylbenzene | | 1.4 | | 0.40 | | 6.1 | 1.7 | |
| Trichlorofluorome | thane | ND | | 0.40 | | ND | 2.2 | |
| Hexachlorobutadie | ene | ND | | 0.40 | | ND | 4.3 | |
| n-Hexane | | ND | | 1.0 | | ND | 3.5 | |
| 2.2.4-Trimethylper | ntane | ND | | 1.0 | | ND | 4.7 | |
| tert-Butyl alcohol | | ND | | 1.6 | | ND | 4.9 | |
| Methylene chloride | e | ND | | 1.0 | | ND | 3.5 | |
| Benzene | | ND | | 0.40 | | ND | 1.3 | |
| Benzyl chloride | | ND | | 0.80 | | ND | 4.1 | |
| Styrene | | 0.95 | | 0.40 | | 4.1 | 1.7 | |
| 1.1.2.2-Tetrachloro | oethane | ND | | 0.40 | | ND | 2.7 | |
| Tetrachloroethene | | ND | | 0.40 | | ND | 2.7 | |
| Toluene | | 1.4 | | 0.40 | | 5.3 | 1.5 | |
| 1.2.4-Trichloroben | zene . | ND | | 0.40 | | ND | 3.0 | |
| 1.1.1-Trichloroetha | ane | ND | | 0.40 | | ND | 2.2 | |
| 1.1.2-Trichloroetha | me | ND | | 0.40 | | ND | 2.2 | |
| Trichloroethene | | ND | | 0.20 | | ND | 1.1 | |
| 1.2.4-Trimethylber | nzene | ND | | 0.40 | | ND | 2.0 | |
| 1.3.5-Trimethylber | izene | ND | | 0.40 | | ND | 2.0 | |
| Vinvl chloride | | ND | | 0.40 | | ND | 1.0 | |
| o-Xylene | • | 1.2 | | 0.40 | | 53 | 1.0 | |
| Methyl tert-butyl e | ther | ND | | 0.80 | | ND | 2.9 | |
| 1.1.2-Trichlorotrif | uoroethane | ND | | 0.40 | | ND | 3.1 | |
| m-Xvlene & p-Xvl | lene | 4.9 | | 0.40 | | 21 | 1.7 | |
| Bromodichloromet | thane | ND | | 0.40 | | ND | 2.7 | |
| 1.2-Dibromoethane | e (EDB) | ND | | 0.40 | | ND | 3.1 | |
| 2-Butanone (MEK |) | ND | | 1.6 | | ND | 4.7 | |
| 4-Methyl-2-pentan | one (MIBK) | ND | | 1.0 | | ND | 4.1 | |
| Bromoform | · · · · · · · · · · · · · · · · · · · | ND | | 0.40 | | ND | 4.1 | |
| Bromomethane | | ND | | 0.40 | | ND | 1.6 | |
| Carbon tetrachloric | le | ND | | 0.20 | | ND | 13 | |
| Chlorobenzene | | ND | | 0.40 | | ND | 1.2 | |
| Dibromochloromet | thane | ND | | 0.40 | | ND | 3.4 | |
| Chloroethane | | 0.74 | | 0.40 | | 1.9 | ייי 11 | |
| Chloroform | | ND | | 0.40 | | ND | 2.0 | |
| | | | | - · · · | | | = | |

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Client Sample ID: 828128-SS-005-01

GC/MS Volatiles

| PARAMETER | RESULTS (ppb(v/v)) | REPORTING LIMIT (ppb(v/v)) | RESULTS (ug/m3) | REPORTING LIMIT (ug/m3) | | | | |
|--------------------------|-----------------------|-------------------------------|--------------------|-------------------------------------|--|--|--|--|
| Chloromethane | ND | 1.0 | ND | 2.1 | | | | |
| Cyclohexane | ND | 1.0 | ND | 3.4 | | | | |
| 1,2-Dichlorobenzene | ND | 0.40 | ND | 2.4 | | | | |
| 1,3-Dichlorobenzene | ND | 0.40 | ND | 2.4 | | | | |
| 1,4-Dichlorobenzene | ND | 0.40 | ND | 2.4 | | | | |
| Dichlorodifluoromethane | 0.75 | 0.40 | 3.7 | 2.0 | | | | |
| 1,1-Dichloroethane | ND | 0.40 | ND | 1.6 | | | | |
| 1,2-Dichloroethane | 0.70 | 0.40 | 2.8 | 1.6 | | | | |
| 1,1-Dichloroethene | ND | 0.40 | ND | 1.6 | | | | |
| cis-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 | | | | |
| trans-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 | | | | |
| 1,2-Dichloropropane | ND | 0.40 | ND | 1.8 | | | | |
| cis-1,3-Dichloropropene | ND | 0.40 | ND | 1.8 | | | | |
| SURROGATE | | PERCENT RECOVERY | | LABORATORY CONTROL LIMITS (%) | | | | |

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

| Lot-Sample # H | 1B250000 - 173B | | Work (| Order # | MEVTX1A | AA | Matrix | : | AIR |
|------------------------|--------------------------|-----------------------|--------------------|------------------------|--------------------------|--------------------|--------|---------------------|------------|
| Prep Date: | 02/16/2011 02/24/2011 | | Date Ro Analysi | eceived: s Date | 02/21/2011 02/24/2011 | | | | |
| Prep Batch #: | 1056173 | | | | | | | | |
| Dilution Factor.: | 1 | | Method | I | TO-15 | | | | |
| PARAMETER | | RESULTS (ppb(v/v)) | | REPORTIN LIMIT (ppl | √G ⊳(v/v)) | RESULTS (ug/m3) | F | REPORTI JMIT (ug | NG /m3) |
| tunna 12 Diablananua | | NID | | 0.090 | | | (| 20 | |
| 1.2 Disblars 1.1.2.2 | pene totrafluorooth | | | 0.000 | | | | 1.50 | |
| 1,2-Dichioro-1,1,2,2- | tetranuoroetti | IND | | 0.080 | | ND | (| .50 | |
| 1 4-Dioxane | | ND | | 0.20 | | ND | ſ | 72 | |
| Ethanol | | ND | | 0.20 | | ND | 1 | 5 | |
| Ethylbenzene | | ND | | 0.080 | | ND | (| 35 | |
| Trichlorofluorometha | ne | ND | | 0.080 | | ND | (| 45 | |
| Hexachlorobutadiene | | ND | | 0.080 | | ND | (| 1.45 | |
| n-Hexane | | ND | | 0.000 | | ND | | 0.70 | |
| 2.2.4-Trimethylnenta | ne | ND | | 0.20 | | ND | (| 93 | |
| tert-Butyl alcohol | | ND | | 0.32 | | ND | (| 97 | |
| Methylene chloride | | ND | | 0.20 | | ND | (| 69 | |
| Benzene | | ND | | 0.080 | | ND | (| 26 | |
| Benzyl chloride | | ND | | 0.16 | | ND | (| 83 | |
| Styrene | | ND | | 0.080 | | ND | (| .34 | |
| 1.1.2.2-Tetrachloroet | hane | ND | | 0.080 | | ND | , (| .55 | |
| Tetrachloroethene | | ND | | 0.080 | | ND | (| 0.54 | |
| Toluene | | ND | | 0.080 | | ND | (| 0.30 | |
| 1.2.4-Trichlorobenzer | ne | ND | | 0.080 | | ND | Ċ | .59 | |
| 1.1.1-Trichloroethane | • | ND | | 0.080 | | ND | Č | .44 | |
| 1.1.2-Trichloroethane | • | ND | | 0.080 | | ND | C | .44 | |
| Trichloroethene | | ND | | 0.040 | | ND | G | 0.21 | |
| 1.2.4-Trimethylbenze | ne | ND | | 0.080 | | ND | C | .39 | |
| 1.3.5-Trimethylbenze | ne | ND | | 0.080 | | ND | C | .39 | |
| Vinyl chloride | | ND | | 0.080 | | ND | (| .20 | |
| o-Xylene | | ND | | 0.080 | | ND | C | .35 | |
| Methyl tert-butyl ethe | er | ND | | 0.16 | | ND | (| .58 | |
| 1,1,2-Trichlorotrifluo | roethane | ND | | 0.080 | | ND | (| 0.61 | |
| m-Xylene & p-Xylen | e | ND | • | 0.080 | | ND | (| 0.35 | |
| Bromodichlorometha | ne | ND | | 0.080 | | ND | (|).54 | |
| 1,2-Dibromoethane (1 | EDB) | ND | | 0.080 | | ND | (|).61 | |
| 2-Butanone (MEK) | | ND | | 0.32 | | ND | (|).94 | |
| 4-Methyl-2-pentanon | e (MIBK) | ND | | 0.20 | | ND | (|).82 | |
| Bromoform | . , | ND | | 0.080 | | ND | (| 0.83 | |
| Bromomethane | | ND | | 0.080 | | ND | (|).31 | |
| Carbon tetrachloride | | ND | | 0.040 | | ND | (|).25 | |
| Chlorobenzene | | ND | | 0.080 | | ND | (|).37 | |
| Dibromochlorometha | ne | ND | | 0.080 | | ND | (|).68 | |
| Chloroethane | | ND | | 0.080 | | ND | (|).21 | |
| Chloroform | | ND | | 0.080 | | ND | (|).39 | |

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Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

| Lot-Sample # H1B250000 - | 173B W | /ork Order # MEVT> | K1AA | Matrix: AIR | | | | |
|--------------------------|-----------------------|-------------------------------|--------------------|-------------------------------------|--|--|--|--|
| PARAMETER | RESULTS (ppb(v/v)) | REPORTING LIMIT (ppb(v/v)) | RESULTS (ug/m3) | REPORTING LIMIT (ug/m3) | | | | |
| Chloromethane | ND | 0.20 | ND | 0.41 | | | | |
| Cyclohexane | ND | 0.20 | ND | 0.69 | | | | |
| 1,2-Dichlorobenzene | ND | 0.080 | ND | 0.48 | | | | |
| 1,3-Dichlorobenzene | ND | 0.080 | ND | 0.48 | | | | |
| 1,4-Dichlorobenzene | ND | 0.080 | ND | 0.48 | | | | |
| Dichlorodifluoromethane | ND | 0.080 | ND | 0.40 | | | | |
| 1,1-Dichloroethane | ND | 0.080 | ND | 0.32 | | | | |
| 1,2-Dichloroethane | ND | 0.080 | ND | 0.32 | | | | |
| 1,1-Dichloroethene | ND | 0.080 | ND | 0.32 | | | | |
| cis-1,2-Dichloroethene | ND | 0.080 | ND | 0.32 | | | | |
| trans-1,2-Dichloroethene | ND | 0.080 | ND | 0.32 | | | | |
| 1,2-Dichloropropane | ND | 0.080 | ND | 0.37 | | | | |
| cis-1,3-Dichloropropene | ND | 0.080 | ND | 0.36 | | | | |
| SURROGATE | | PERCENT RECOVERY | | LABORATORY CONTROL LIMITS (%) | | | | |
| 4-Bromofluorobenzene | | 97 | | 60 - 140 | | | | |

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

| Lot-Sample # H1B250000 - 173C | | 173C | Work Orde | er # | MEVT | X1AC | Matrix | Matrix: AIR | | | | | |
|--------------------------------|---------------------------------|-------------------------------|----------------------------------|-------------------------|-----------------------|-------------------------------|---------------------|----------------------|--|--|--|--|--|
| Prep Date: Prep Batch #: | 02/16/20 02/24/20 1056173 | 11 11 | Date Recei Analysis D | ved: ate | 02/21/2 02/24/2 | 2011 2011 | | | | | | | |
| Dilution Factor.: | 1 | | Method | : | TO-15 | | | | | | | | |
| PARAMETER | | SPIKE AMOUNT (ppb(v/v)) | MEASURED AMOUNT (ppb(v/v)) | SPIKE AMOU (ug/m3 | INT) [`] | MEASURED AMOUNT (ug/m3) | PERCENT RECOVERY | RECOVERY LIMITS | | | | | |
| trang 1.2 Diablarantan | ono | 5.00 | 5.07 | 22 | | 22 | 101 | 70 130 | | | | | |
| 1.2 Dichloro 1.1.2.2 to | otrofluo | 5.00 | 5.07 | 25 | | .23 | 101 | 70 - 130 60 - 140 | | | | | |
| 1,2-D1011010-1,1,2,2-10 | suanuo | 5.00 | 0.29 | 55 | | 44 | 120 | 00 - 140 | | | | | |
| 1 4-Dioxane | | 5.00 | 5.27 | 18 | | 19 | 105 | 60 - 140 | | | | | |
| Ethylbenzene | | 5.00 | 4.60 | 22 | | 20 | 92 | 70 - 130 | | | | | |
| Trichlorofluoromethan | e | 5.00 | 6.01 | 28 | | 34 | 120 | 60 - 140 | | | | | |
| Hexachlorobutadiene | | 5.00 | 5 24 | 53 | | 56 | 105 | 60 - 140 | | | | | |
| n-Hexane | | 5.00 | 3.94 | 18 | | 14 | 79 | 70 - 130 | | | | | |
| 2 2 4-Trimethylpentan | e | 5.00 | 4 24 | 23 | | 20 | 85 | 70 - 130 | | | | | |
| tert-Butyl alcohol | • | 5.00 | 5.21 | 15 | | 16 | 104 | 60 - 140 | | | | | |
| Methylene chloride | | 5.00 | 3.96 | 17 | | 14 | 79 | 70 - 130 | | | | | |
| Benzene | | 5.00 | 4 26 | 16 | | 14 | 85 | 70 - 130 | | | | | |
| Benzyl chloride | | 5.00 | 4.22 | 26 | | 2.2. | 84 | 70 - 130 | | | | | |
| Styrene | | 5.00 | 5.20 | 21 | | 22 | 104 | 70 - 130 | | | | | |
| 1 1 2 2-Tetrachloroeth | ane | 5.00 | 4 25 | 34 | | 29 | 85 | 70 - 130 | | | | | |
| Tetrachloroethene | | 5.00 | 5.45 | 34 | | 37 | 109 | 70 - 130 | | | | | |
| Toluene | | 5.00 | 4.50 | 19 | | 17 | 90 | 70 - 130 | | | | | |
| 1.2.4-Trichlorobenzene | e | 5.00 | 4.62 | 37 | | 34 | 92 | 60 - 140 | | | | | |
| 1.1.1-Trichloroethane | • | 5.00 | 5.36 | 27 | | 2.9 | 107 | 70 - 130 | | | | | |
| 1.1.2-Trichloroethane | | 5.00 | 5.11 | 27 | | 28 | 102 | 70 - 130 | | | | | |
| Trichloroethene | | 5.00 | 5.72 | 27 | | 31 | 114 | 70 - 130 | | | | | |
| 1,1,2-Trichlorotrifluoro | oethane | 5.00 | 4.77 | 38 | | 37 | 95 | 70 - 130 | | | | | |
| | | | | | | | | | | | | | |
| 1,2,4-Trimethylbenzen | e | 5.00 | 4.72 | 25 | | 23 | 94 | 70 - 130 | | | | | |
| 1,3,5-Trimethylbenzen | ie | 5.00 | 4.89 | 25 | | 24 | 98 | 70 - 130 | | | | | |
| Vinyl chloride | | 5.00 | 4.50 | 13 | | 11 | 90 | 70 - 130 | | | | | |
| o-Xylene | | 5.00 | 4.79 | 22 | | 21 | 96 | 70 - 130 | | | | | |
| Methyl tert-butyl ether | • | 5.00 | 4.88 | 18 | | 18 | 98 | 60 - 140 | | | | | |
| m-Xylene & p-Xylene | | 10.0 | 9.57 | 43 | | 42 | 96 | 70 - 130 | | | | | |
| Bromodichloromethan | e | 5.00 | 5.80 | 34 | | 39 | 116 | 70 - 130 | | | | | |
| 1,2-Dibromoethane (E | DB) | 5.00 | 5.24 | 38 | | 40 | 105 | 70 - 130 | | | | | |
| 2-Butanone (MEK) | | 5.00 | 3.19 | 15 | | 9.4 | 64 | 60 - 140 | | | | | |
| 4-Methyl-2-pentanone (MIBK) | | 5.00 | 3.84 | 20 | | 16 | 77 | 60 - 140 | | | | | |
| Bromoform | | 5.00 | 5.65 | 52 | | 58 | 113 | 60 - 140 | | | | | |
| Bromomethane | | 5.00 | 5.34 | 19 | | 21 | 107 | 70 - 130 | | | | | |
| Carbon tetrachloride | | 5.00 | 6.41 | 31 | | 40 | 128 | 70 - 130 | | | | | |
| Chlorobenzene | | 5.00 | 5.05 | 23 | | 23 | 101 | 70 - 130 | | | | | |
| Dibromochloromethan | ie | 5.00 | 5.81 | 43 | | 50 | 116 | 70 - 130 | | | | | |
| Chloroethane | | 5.00 | 4.51 | 13 | | 12 | 90 | 70 - 130 | | | | | |

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Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

| Lot-Sample # H1B250000 | - 173C | Work Ord | ler# MEV | /TX1AC | Matrix | : AIR |
|--------------------------|-------------------------------|----------------------------------|----------------------------|-------------------------------|---------------------|--------------------|
| PARAMETER | SPIKE AMOUNT (ppb(v/v)) | MEASURED AMOUNT (ppb(v/v)) | SPIKE AMOUNT (ug/m3) | MEASURED AMOUNT (ug/m3) | PERCENT RECOVERY | RECOVERY LIMITS |
| Chloroform | 5.00 | 4.80 | 24 | 23 | 96 | 70 - 130 |
| Chloromethane | 5.00 | 3.80 | 10 | 7.8 | 76 | 60 - 140 |
| Cyclohexane | 5.00 | 4.75 | 17 | 16 | 95 | 70 - 130 |
| 1,2-Dichlorobenzene | 5.00 | 5.05 | .30 | 30 | 101 | 70 - 130 |
| 1,3-Dichlorobenzene | 5.00 | 4.76 | 30 | 29 | 95 | 70 - 130 |
| 1,4-Dichlorobenzene | 5.00 | 4.69 | 30 | 28 | 94 | 70 - 130 |
| Dichlorodifluoromethane | 5.00 | 5.94 | 25 | 29 | 119 | 60 - 140 |
| 1,1-Dichloroethane | 5.00 | 4.29 | 20 | 17 | 86 | 70 - 130 |
| 1,2-Dichloroethane | 5.00 | 5.49 | 20 | 22 | 110 | 70 - 130 |
| 1,1-Dichloroethene | 5.00 | 4.28 | 20 | 17 | 86 | 70 - 130 |
| cis-1,2-Dichloroethene | 5.00 | 4.67 | 20 | 19 | 93 | 70 - 130 |
| trans-1,2-Dichloroethene | 5.00 | 5.17 | 20 | 21 | 103 | 70 - 130 |
| 1,2-Dichloropropane | 5.00 | 4.34 | 23 | 20 | 87 | 70 - 130 |
| cis-1,3-Dichloropropene | 5.00 | 4.84 | 23 | 22 | 97 | 70 - 130 |

| | PERCENT | LABORATORY CONTROL |
|-----------|---------------------------------------|-----------------------|
| SURROGATE | RECOVERY | LIMITS (%) |
| | · · · · · · · · · · · · · · · · · · · | |

4-Bromofluorobenzene

105

60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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Sample Receipt Documentation

TAL Knoxville

Knoxville, TN 37921 phone 865-291-3000 fax 865-584-4315 5815 Middlebrook Pike

Review **Canister Samples Chain of Custody Record**

TestAmerica

| Client Contact Information | Project Man | ager: J | ason 1 | lelton | | Sampled By: | Cree | Yer | 119- | | | of | 200 | s | | |
|--|---------------------------|------------|-----------|--|---|-----------------------|-------------|----------|----------|---------|-------------|--------------------------------|------------|-------------|----------|---------------------------------------|
| Company: NYSDEC Central OCT ce | Phone: | SIS 4 | ા વ્ય | ଥ | | | S89-3 | 59.2 | 730 | | | | | | | |
| Address: 6-25 & conducary Citr/State/Zin & I L, N.V. / | Site Contac TAL Contac | ц ц | | | | | | | | | | (t | | 'n | | |
| Phone: FAX: A Comparison of the comparison of th | | | | | | | | | | | | section | ¥28-97 | | с | |
| Project Name: Former SAPPAN'S Cleanes | | Analysis | Turnaroui | nd Time | | | | | | | | sətor | | | | 20101 |
| Site/location: Brighten, NY | St | andard (S | becify) X | | | | | | | | | ı ui Vi | | | | |
| PO# 5,4 No. 020133 | æ | ush (Spec | ify) | | | | | | | | | lipecit | | | | 1000 |
| Sample Identification | Sample Date(s) | Time Start | Time Stop | Canister Vacuum in Field, "Hg (Start) | Canister Vacuum in Field, 'Hg (Stop) | Flow Controlier ID | Canister ID | 81-OT | A\$1-OT | EPA 26C | 9461-0 MT2A | e seselq) ted}O OdV∏teldmsZ | Indoor Air | riA tneidmA | Soll Gas | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| 82,812,8 - 55 - 001 - 01 - | 2/14-2/15 | 110 | 1000 | -30 | -10 | K131 | 6666 | × | | | | | | | | |
| 828128-55-002-01 | 2/15-2/16 | (છપડ | Shri | -29.5 | | kodd | 6132 | × | | | | | | | | |
| 828128-55-003-01- | 2/16.2/17 | وحا | 006 | -30 | 8- | Lhea | 11292 | X | | | | | | | | |
| 828128-55-001-01 | 2/16-2/17 | SYEI | 1255 | -30 | ې ۱ | K360 | 6633 | × | | | | | | | | |
| 828128 - 55- 003-02 | 2/16-2/17 | 957 | 906 | -29.5 | -00 | k463 | 12162 | Х | | | | | | | | |
| 828128-55-005-01 | zlie-zli7 | (Bys | 0561 | -30 | 4 | K401 | 2955 | \times | | | | | | | | |
| Sampled by : | | | | Temperatur | e (Fahrenheit) | | | | | | 1 | | | | | |
| | | Interior | | Ambient | | | | | 202 | 150 | 2 | 544-5 | | . | | T |
| | Start | | | | | | | | 377 | NH | L. | AMR/FW | | dw | | |
| | Stop | | | | | | | | 515 | 6 | 1-61 | | | | | |
| | | - | | Pressure (in | ches of Hg) | - | | | 2/ | E E | FUX F | HH8: | Seo S | 6 131 | 2 | |
| | | Interior | | Ambient | | | | | | | | | - | | | 1 |
| | Start | | | | | | | ec. | N | 6 FU | VTV | 二二 | 100 | ANES | | |
| | Stop | | | | | | | | | | | | | | | |
| Special Instructions/QC Requirements & Comments: Spece altached analyte In | pub ts | r's | | | | | | | | • | | | | | | |
| Ell ACP Cat & equ | infert | deta | pocka | Ĵ, | | | | | | | | | | | | |
| Canisters Shipped by: | Date/Time: | | | | Canisters F | Received by: | | | | | | | | | | |
| Samples Reinquished by | Date/Time: 2_(r&)// | 0) | [500] | | Reported | Ful Ju | 02. | 1.3 | 12 | 5,0 | | | | | | |
| Reinnauspecture In 1 | Date/Time: * | 2 | 30 | | Received I | Dur Change | 2-19-1 | 0 | J.H. | | | | | | | |
| | | | | | | | | | Ī | | | | | | * | |

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST Lot Number: りんえるりもうえ

| | Comments/Actions Taken | HA HA | | | | | | | | | | | | | | | | | | | - | | | | | | | | | | | | QA026R22.doc, 012811 |
|----------|------------------------------|---|---|---------------|-----------------------|---|-------------------------------------|--|--|---|--|--------------------------------|--|----------------------------------|---|---------------|---|---|---|------------------------|--|--|--------------------------------------|---|---|--|--|---|--|--|--|--------------------------------------|-----------------------------|
| Col Acal | If No, what was the problem? | □ 1a Do not match COC □ 1b Incomplete information | □ 1c Marking smeared □ 1d Label torn | □ 1e No label | □ 1f COC not received | 2a Temp Blank = | ✓ □ 2b Cooler Temp = | □ 2c Cooling initiated for recently collected samples ice mesent | \Box 3a Sample preservative = | As Not wearent | | □ 40 Not intact □ 4c Other: | □ 5a Samples received-not on COC | □ 5b Samples not received-on COC | 🗆 6a Leaking | ☐ 🛛 6b Broken | □ 7a Headspace (VOA only) | 🗼 🗆 8a Improper container | □ 9a Could not be determined due | to matrix interference | ☐ 10a Holding time expired | \square Incomplete information | If no, was pH adjusted to pH 7 - 9 | | □ 13a Leaking □ 13b Other: | □ 14a Not relinquished | □ 15a Incomplete information | □ 15a Incomplete information | □ 15a Incomplete information | □ 15a Incomplete information | | | Date: 2-14-11 |
| | No NA | | <u></u> . | | | | | | | \uparrow | 1 | | | | | | | | | | | \ | | • | | | | | | | | | |
| - | Yes | | \sum | | | | | | | | | | | X | $\overline{\ }$ | | | 1 | - | | / | | | | / | | | 1 | \mathbf{N} | X | $\overline{\ }$ | 4 | 2 |
| | Review Items | Do sample container labels match COC? (IDs, Dates, Times) | | | | 2. Is the cooler temperature within limits? (> freezing | temp. of water to 6 °C, VOST: 10°C) | | 3. Were samples received with correct chemical | DIESERVAUNE (EXCLUDING EAICOLE)? 1 More custody seals mesent/intact on cooler and/or | T. W UV CUSIOUS SCALS PICSCIIVIIMUN ON VOUN AND OF | Colleaners: | 5. Were all of the samples listed on the COC received? | | 6. Were all of the sample containers received intact? | | 7. Were VOA samples received without headspace? | 8. Were samples received in appropriate containers? | 9. Did you check for residual chlorine, if necessary? | | 10. Were samples received within holding time? | 11. For rad samples, was sample activity info. provided? | 12. For 1613B water samples is pH<9? | | 13. Are the shipping containers intact? | 14. Was COC relinquished? (Signed/Dated/Timed) | 15. Are tests/parameters listed for each sample? | 16. Is the matrix of the samples noted? | 17. Is the date/time of sample collection noted? | 18. Is the client and project name/# identified? | 19. Was the sampler identified on the COC? | Ouote #: K& 21/1 PM Instructions: N. | Sample Receiving Associate: |

24

Test America - Knoxville ---- Air Canister Dilution Log

-

Lot Number: <u>HIB220452</u>

| | Comments | 2206 | 9071 | ¢ | 2506 | 1205 | > |
|-----------------------------|---|----------------|--------|--------|-------|-------|-------|
| | Final Pres. Pf (psig) | | | | | | |
| | Vol (mL) | | | | | | |
| | Serial Dilution Can # | | | | | | |
| ilutions | Third InCan Final Pf (psig) | · | | | | | - |
| equent D | Second In-can Final Pres. Pf (psig) | | | | د | ··· | |
| Subs | First InCan Final Dres. Pf (psig) | | | | | | |
| | Final Pres. Pf (psig) | | | | - | | |
| | Initial Pres. F | | | | | | |
| | , Pbarr (in) | | | | | | |
| | - ^ S | | | | | | |
| | Analyst/Date | | | | | | |
| | Adj. Initial Pres. (- in or + psig) | | | | | | |
| | Pres. upon receipt (-in or + psig) | 54- | 10 le | 0.2~ | -3.6 | -6.3 | 2-9- |
| 0 | Can # | 6666 | 6132 | 11292 | 6633 | 12162 | 2955 |
| Initial Can Pressure | Sample ID | MENMJ | MENNIM | MENMIN | MENMQ | MENMR | MENMT |
| | Pbarr (in) | 28.99 | | | | | -> |
| | Tedlar Bag Time | 42 | • | | | | |
| | Analyst/Date | DDF 2-23-11 | | | | | Ą |

MS038 Revision 8

ATTACHMENT B

EPA Method TO-17 Laboratory Report



179 Lake Avenue Rochester, NY 14608 USA Tel: (585) 727-2825 www.vaportrailanalytics.com

28-Mar-2011

Analytical Results Report Cover Sheet

For VTA Project Number 201110 Total Number of Pages Including This Cover: 13

Please refer to the bottom of each page for identification of the individual page number.

The results in this report refer to samples collected by the Client.

Results from samples collected by the Client or an associated party relate to the samples or components within as received by the laboratory.

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Any deviations from, additions to, exclusions from, or non-standard conditions that may affect the quality of the results are communicated in the report in text or qualifier form. The following data qualifiers are defined and, where necessary, are utilized on an individual analyte basis in the report:

- B The method blank contained trace levels of analyte; refer to the method blank report.
- E The calibration limit was exceeded; the associated numerical value is the approximate concentration of analyte in the sample.
- J The associated numerical value is the approximate concentration of analyte in the sample.


Report To: Greg Young

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28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

Field Location: 828128-IA-004-01Lab Sample Number: 1432Field ID Number: GO122073Date Sampled: 2/16-2/17/11Client Project Number: 828128Date Received: 2/18/11Client Job Site: Former Speedy's CleanersDate Analyzed: 2/24/11Sample Type: 24-Hour Passive Indoor AirLab Project Number: 201110

| | | (µg·m⁻³) | (µg·m⁻³) |
|-------------------------|---------------------------|-----------------|-----------------|
| <u>Analyte</u> | Dilution Factor | Reporting Limit | Result |
| 1,1-Dichloroethene | 1 | 1.06 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.14 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | 1 | 2.67 | 5.4 J |
| Carbon tetrachloride | 1 | 0.11 | Not Detected |
| Chloroform | 1 | 0.14 | Not Detected |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.55 | 5.0 |
| Ethylbenzene | 1 | 1.64 | 4.0 |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.50 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | 3.0 |
| m,p -Xylenes | 1 | 0.64 | 11 |
| o-Xylene | 1 | 0.15 | 3.7 |
| Styrene | 1 | 2.84 | Not Detected J |
| Tetrachloroethylene | 1 | 0.15 | 1.7 |
| Toluene | 1 | 0.28 | 13 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: µg·m⁻³ = m | icrograms per cubic meter | r | |
| Data File: | 022411-24.D | Signatu | re: Jail D. Tox |

Jack D. Fox PhD, Technical Director

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28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

Field Location: 828128-OA-005-01 Field ID Number: GO158939 Client Project Number: 828128

Client Job Site: Former Speedy's Cleaners Sample Type: 24-Hour Passive Outdoor Air Lab Sample Number: 1434 Date Sampled: 2/16-2/17/11 Date Received: 2/18/11 Date Analyzed: 2/24/11 Lab Project Number: 201110

| | | (µg·m⁻°) | (µg·m̃) |
|------------------------------------|----------------------------|-----------------------|------------------------|
| <u>Analyte</u> | Dilution Factor | <u>Reporting Limi</u> | <u>t Result</u> |
| 1,1-Dichloroethene | 1 | 1.06 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.14 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | 1 | 2.66 | 6.2 J |
| Carbon tetrachloride | 1 | 0.11 | Not Detected |
| Chloroform | 1 / | 0.14 | Not Detected |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.54 | Not Detected |
| Ethylbenzene | 1 | 1.63 | 2.9 |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.49 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | Not Detected |
| m,p-Xylenes | 1 | 0.64 | 6.7 |
| o-Xylene | 1 | 0.15 | 2.3 |
| Styrene | 1 | 2.83 | Not Detected J |
| Tetrachloroethylene | 1 | 0.15 | 7.9 |
| Toluene | 1 | 0.28 | 9.5 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: $\mu g \cdot m^{-3} = m$ | nicrograms per cubic meter | r | |
| Data File: | 022411-25.D | 5 | bignature: Jour D. Tek |

Jack D. Fox PhD, Technical Director

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28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

Field Location: 828128-IA-002-01 Field ID Number: GO158913 Client Project Number: 828128 Client Job Site: Former Speedy's Cleaners Sample Type: 24-Hour Passive Indoor Air Lab Sample Number: 1435 Date Sampled: 2/15-2/16/11 Date Received: 2/18/11 Date Analyzed: 2/24/11 Lab Project Number: 201110

| | | (µg·m [¬]) | (µg·m ⁻³) |
|------------------------------------|------------------------|------------------------|-----------------------|
| <u>Analyte</u> | Dilution Factor | <u>Reporting Limit</u> | Result |
| 1,1-Dichloroethene | 1 | 1.07 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.14 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | 1 | 2.69 | 3.8 |
| Carbon tetrachloride | 1 | 0.11 | Not Detected |
| Chloroform | 1 | 0.14 | Not Detected |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.56 | Not Detected |
| Ethylbenzene | 1 | 1.65 | 2.1 |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.52 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | Not Detected |
| m,p-Xylenes | 1 | 0.64 | 2.6 |
| o -Xylene | 1 | 0.15 | Not Detected |
| Styrene | 1 | 2.87 | Not Detected J |
| Tetrachloroethylene | 1 | 0.15 | Not Detected |
| Toluene | 1 | 0.28 | 4.0 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: $\mu g \cdot m^{-3} = m$ | nicrograms per cubic m | eter | 1 |
| Data File: | 022411-26.D | Sig | mature: JalD.ter |

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28-Mar-2011

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NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

| Field Location: 828128-IA-005-01 | Lab Sample Number: 1436 |
|---|----------------------------|
| Field ID Number: GO158956 | Date Sampled: 2/16-2/17/11 |
| Client Project Number: 828128 | Date Received: 2/18/11 |
| Client Job Site: Former Speedy's Cleaners | Date Analyzed: 2/24/11 |
| Sample Type: 24-Hour Passive Indoor Air | Lab Project Number: 201110 |

| | | (µg·m⁻³) | (µg·m⁻³) |
|------------------------------------|------------------------|-----------------|----------------|
| <u>Analyte</u> | Dilution Factor | Reporting Limit | <u>Result</u> |
| 1,1-Dichloroethene | 1 | 1.06 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.14 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | 1 | 2.66 | 5.3 J |
| Carbon tetrachloride | 1 | 0.11 | Not Detected |
| Chloroform | 1 | 0.14 | 1.5 |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.54 | 2.5 |
| Ethylbenzene | 1 | 1.63 | 2.8 |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.49 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | 2.2 |
| m,p-Xylenes | 1 | 0.64 | 5.8 |
| o -Xylene | 1 | 0.15 | 1.8 |
| Styrene | 1 | 2.83 | Not Detected J |
| Tetrachloroethylene | 1 | 0.15 | 7.0 |
| Toluene | 1 | 0.28 | 10 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: $\mu g \cdot m^{-3} = m$ | nicrograms per cubic m | eter | TINE/ |
| Data File: | 022411-27.D | Signature: | Jacoty |

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28-Mar-2011

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NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

| Field Location: 828128-OA-002-01 | Lab Sample Number: 1437 |
|---|----------------------------|
| Field ID Number: GO158993 | Date Sampled: 2/15-2/16/11 |
| Client Project Number: 828128 | Date Received: 2/18/11 |
| Client Job Site: Former Speedy's Cleaners | Date Analyzed: 2/24/11 |
| Sample Type: 24-Hour Passive Outdoor Air | Lab Project Number: 201110 |

| | | (µg·m [¬]) | (µg·m [™]) |
|------------------------------------|-------------------------|------------------------|----------------------|
| <u>Analyte</u> | Dilution Factor | <u>Reporting Limit</u> | <u>Result</u> |
| 1,1-Dichloroethene | 1 | 1.07 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.14 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | 1 | 2.69 | 5.3 J |
| Carbon tetrachloride | 1 | 0.11 | Not Detected |
| Chloroform | 1 | 0.14 | Not Detected |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.56 | Not Detected |
| Ethylbenzene | 1 | 1.65 | 2.2 |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.52 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | Not Detected |
| m,p-Xylenes | 1 | 0.64 | 2.5 |
| o -Xylene | 1 | 0.15 | Not Detected |
| Styrene | 1 | 2.87 | Not Detected J |
| Tetrachloroethylene | 1 | 0.15 | Not Detected |
| Toluene | 1 | 0.28 | 3.7 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: $\mu g \cdot m^{-3} = m$ | nicrograms per cubic me | eter | The T |
| Data File: | 022411-28.D | Sign | nature: Jarv. Fox |

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28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

Field Location: 828128-OA-001-01 Field ID Number: GO158907 Client Project Number: 828128 Client Job Site: Former Speedy's Cleaners Sample Type: 24-Hour Passive Outdoor Air Lab Sample Number: 1438 Date Sampled: 2/14-2/15/11 Date Received: 2/18/11 Date Analyzed: 2/24/11 Lab Project Number: 201110

| | | (µg∙m ⁻³) | (µg·m⁻³) |
|------------------------------------|---------------------------|-----------------------|----------------------|
| <u>Analyte</u> | Dilution Factor | Reporting Lim | <u>it Result</u> |
| 1,1-Dichloroethene | 1 | 1.07 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.14 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | 1 | 2.70 | Not Detected J |
| Carbon tetrachloride | 1 | 0.11 | 1.17 |
| Chloroform | 1 | 0.14 | Not Detected |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.56 | Not Detected |
| Ethylbenzene | 1 | 1.66 | Not Detected |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.53 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | Not Detected |
| m,p-Xylenes | 1 | 0.65 | Not Detected |
| o -Xylene | 1 | 0.15 | Not Detected |
| Styrene | 1 | 2.88 | Not Detected J |
| Tetrachloroethylene | 1 | 0.15 | Not Detected |
| Toluene | 1 | 0.28 | 1.41 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: $\mu g \cdot m^{-3} = n$ | nicrograms per cubic mete | r | |
| Data File: | 022411-29.D | | Signature: Jan D. TK |

Jack D. Fox PhD, Technical Director

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28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

Field Location: 828128-IA-001-01 Field ID Number: GO158957 Client Project Number: 828128 Client Job Site: Former Speedy's Cleaners Sample Type: 24-Hour Passive Indoor Air Lab Sample Number: 1439 Date Sampled: 2/14-2/15/11 Date Received: 2/18/11 Date Analyzed: 2/24/11 Lab Project Number: 201110

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| | | (µg·m⁻°) | (µg·m⁻³) |
|------------------------------------|------------------------|-----------------|----------------|
| <u>Analyte</u> | Dilution Factor | Reporting Limit | <u>Result</u> |
| 1,1-Dichloroethene | 1 | 1.08 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.15 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | 1 | 2.71 | 3.8 J |
| Carbon tetrachloride | 1 | 0.11 | Not Detected |
| Chloroform | 1 | 0.14 | Not Detected |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.57 | Not Detected |
| Ethylbenzene | 1 | 1.66 | 2.2 |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.54 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | Not Detected |
| <i>m,p</i> -Xylenes | 1 | 0.65 | 3.2 |
| o-Xylene | 1 | 0.15 | Not Detected |
| Styrene | 1 | 2.89 | Not Detected J |
| Tetrachloroethylene | 1 | 0.16 | Not Detected |
| Toluene | 1 | 0.28 | 4.1 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: $\mu g \cdot m^{-3} = n$ | nicrograms per cubic m | eter | |
| Data File: | 022411-30.D | Signature: | Jack D. ter |

Jack D. Fox PhD, Technical Director

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28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

Field Location: 828128-OA-003-01 Field ID Number: GO156964 Client Project Number: 828128 Client Job Site: Former Speedy's Cleaners Sample Type: 24-Hour Passive Outdoor Air Lab Sample Number: 1440 Date Sampled: 2/16-2/17/11 Date Received: 2/18/11 Date Analyzed: 2/24/11 Lab Project Number: 201110

| | | (µg·m⁻°) | (µg·m⁻³) |
|------------------------------------|---------------------------|---------------|----------------------|
| <u>Analyte</u> | Dilution Factor | Reporting Lim | <u>it Result</u> |
| 1,1-Dichloroethene | 1 | 1.06 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.14 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | 1 | 2.67 | 5.6 J |
| Carbon tetrachloride | 1 | 0.11 | Not Detected |
| Chloroform | 1 | 0.14 | Not Detected |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.55 | Not Detected |
| Ethylbenzene | 1 | 1.64 | 2.9 |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.50 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | Not Detected |
| <i>m,p</i> -Xylenes | 1 | 0.64 | 5.7 |
| o-Xylene | 1 | 0.15 | 2.1 |
| Styrene | 1 | 2.84 | Not Detected J |
| Tetrachloroethylene | 1 | 0.15 | Not Detected |
| Toluene | 1 | 0.28 | 8.4 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: $\mu g \cdot m^{-3} = n$ | nicrograms per cubic mete | r | - AT |
| Data File: | 022411-31.D | | Signature: Jacky Tox |

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28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

Field Location: 828128-IA-003-01 Field ID Number: GO158970 Client Project Number: 828128 Client Job Site: Former Speedy's Cleaners Sample Type: 24-Hour Passive Indoor Air Lab Sample Number: 1441 Date Sampled: 2/16-2/17/11 Date Received: 2/18/11 Date Analyzed: 2/24/11 Lab Project Number: 201110

| | | (µg·m⁻³) | (µg·m⁻³) |
|------------------------------------|------------------------|-----------------|----------------|
| <u>Analyte</u> | Dilution Factor | Reporting Limit | <u>Result</u> |
| 1,1-Dichloroethene | 1 | 1.07 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.14 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | 1 | 2.69 | 5.3 J |
| Carbon tetrachloride | 1 | 0.11 | Not Detected |
| Chloroform | 1 | 0.14 | Not Detected |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.56 | 2.1 |
| Ethylbenzene | 1 | 1.65 | 2.6 |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.52 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | Not Detected |
| m,p-Xylenes | 1 | 0.64 | 4.5 |
| o-Xylene | 1 | 0.15 | Not Detected |
| Styrene | 1 | 2.87 | Not Detected J |
| Tetrachloroethylene | 1 | 0.15 | Not Detected |
| Toluene | 1 | 0.28 | 7.9 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: $\mu g \cdot m^{-3} = r$ | nicrograms per cubic m | eter | N.T. |
| Data File: | 022411-32.D | Signature: | Jant D. for |

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28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Field Blank Report for Air

| Field Location: 828128-BLANK1 | Lab Sample Number: 1433 |
|---|----------------------------|
| Field ID Number: GO158947 | Date Sampled: 2/14/11 |
| Client Project Number: 828128 | Date Received: 2/18/11 |
| Client Job Site: Former Speedy's Cleaners | Date Analyzed: 2/24/11 |
| Sample Type: Passive Field Blank | Lab Project Number: 201110 |
| Dilution Factor: 1 | |

| | (ng) | (ng) |
|--|-----------------|---------------------|
| <u>Analyte</u> | Reporting Limit | <u>Mass on Tube</u> |
| 1,1-Dichloroethene | 0.5 | Not Detected |
| 1,2-Dichloroethane | 0.1 | Not Detected |
| 1,1,1-Trichloroethane | 0.1 | Not Detected |
| Benzene | 2.0 | Not Detected J |
| Carbon tetrachloride | 0.1 | Not Detected |
| Chloroform | 0.1 | Not Detected |
| cis -1,2-Dichloroethene | 0.2 | Not Detected |
| Cyclohexane | 1.0 | Not Detected |
| Ethylbenzene | 1.0 | Not Detected |
| Isopropylbenzene | 0.1 | Not Detected |
| Methyl acetate | 2.0 | Not Detected J |
| Methylcyclohexane | 0.2 | Not Detected |
| m,p -Xylenes | 0.4 | Not Detected |
| o-Xylene | 0.1 | Not Detected |
| Styrene | 2.0 | Not Detected J |
| Tetrachloroethylene | 0.1 | Not Detected |
| Toluene | 0.2 | Not Detected |
| Trichloroethylene | 0.1 | Not Detected |
| Vinyl Chloride | 0.1 | Not Detected |
| Comments: ng = nanograms. NA = Not Applica | able. | |
| Data File: 022411-23.D | Signature: | Jar D. Fox |

Jack D. Fox PhD, Technical Director

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Volatiles and Semi-Volatiles Characterization

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28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Laboratory Blank Report for Air

| Field Location: NA | Lab Sample Number: 1442 |
|---|----------------------------|
| Field ID Number: GO158931 | Date Sampled: NA |
| Client Project Number: 828128 | Date Received: 2/18/11 |
| Client Job Site: Former Speedy's Cleaners | Date Analyzed: 2/24/11 |
| Sample Type: Laboratory Blank #1 (Before Samples) | Lab Project Number: 201110 |
| Dilution Factor: 1 | |

| | (ng) | (ng) |
|--|-----------------|---------------------|
| <u>Analyte</u> | Reporting Limit | <u>Mass on Tube</u> |
| 1,1-Dichloroethene | 0.5 | Not Detected |
| 1,2-Dichloroethane | 0.1 | Not Detected |
| 1,1,1-Trichloroethane | 0.1 | Not Detected |
| Benzene | 2.0 | Not Detected J |
| Carbon tetrachloride | 0.1 | Not Detected |
| Chloroform | 0.1 | Not Detected |
| cis -1,2-Dichloroethene | 0.2 | Not Detected |
| Cyclohexane | 1.0 | Not Detected |
| Ethylbenzene | 1.0 | Not Detected |
| Isopropylbenzene | 0.1 | Not Detected |
| Methyl acetate | 2.0 | Not Detected J |
| Methylcyclohexane | 0.2 | Not Detected |
| m,p -Xylenes | 0.4 | Not Detected |
| o-Xylene | 0.1 | Not Detected |
| Styrene | 2.0 | Not Detected J |
| Tetrachloroethylene | 0.1 | Not Detected |
| Toluene | 0.2 | Not Detected |
| Trichloroethylene | 0.1 | Not Detected |
| Vinyl Chloride | 0.1 | Not Detected |
| Comments: ng = nanograms. NA = Not Applica | ıble. | |
| Data File: 022411-22.D | Signature: | Jan D. Tox |

Jack D. Fox PhD, Technical Director

Note: This report is part of a multipart document, and should only be evaluated in its entirety. Please refer to the included chain of custody for additional sample information.



Volatiles and Semi-Volatiles Characterization

Client: Empire Geo Services, Inc. Report To: Greg Young 535 Summit Point Drive Henrietta, NY 14467 phone (585) 359-2730

179 Lake Avenue Rochester, NY 14608 USA Tel: (585) 727-2825 www.vaportrailanalytics.com

28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Laboratory Blank Report for Air

| Field Location: NA | Lab Sample Number: 1443 |
|--|----------------------------|
| Field ID Number: GO158901 | Date Sampled: NA |
| Client Project Number: 828128 | Date Received: 2/18/11 |
| Client Job Site: Former Speedy's Cleaners | Date Analyzed: 2/24/11 |
| Sample Type: Laboratory Blank #2 (After Samples) | Lab Project Number: 201110 |
| Dilution Factor: 1 | |

| | (ng) | (ng) |
|---|------------------------|----------------|
| <u>Analyte</u> | <u>Reporting Limit</u> | Mass on Tube |
| 1,1-Dichloroethene | 0.5 | Not Detected |
| 1,2-Dichloroethane | 0.1 | Not Detected |
| 1,1,1-Trichloroethane | 0.1 | Not Detected |
| Benzene | 2.0 | Not Detected J |
| Carbon tetrachloride | 0.1 | Not Detected |
| Chloroform | 0.1 | Not Detected |
| cis -1,2-Dichloroethene | 0.2 | Not Detected |
| Cyclohexane | 1.0 | Not Detected |
| Ethylbenzene | 1.0 | Not Detected |
| Isopropylbenzene | 0.1 | Not Detected |
| Methyl acetate | 2.0 | Not Detected J |
| Methylcyclohexane | 0.2 | Not Detected |
| m,p -Xylenes | 0.4 | Not Detected |
| o-Xylene | 0.1 | Not Detected |
| Styrene | 2.0 | Not Detected J |
| Tetrachlorocthylene | 0.1 | Not Detected |
| Toluene | 0.2 | Not Detected |
| Trichloroethylene | 0.1 | Not Detected |
| Vinyl Chloride | 0.1 | Not Detected |
| Comments: ng = nanograms. NA = Not Applic | able. | |
| Data File: 022411-33.D | Signature: | Jack D.tex |

Jack D. Fox PhD, Technical Director

Note: This report is part of a multipart document, and should only be evaluated in its entirety.

| D of | | LAB PROJECT #: CLIENT PROJECT #: | 201110 828128 | REQUESTED TURNAROUND TIME STD SAME DAY | | Quotation # | S | Remarks VTA Sample Number | 1432 | 1433 | 1434 | 1435 | 1436 | 1437 | 1438 | 1437 | OH HI | 1441 | 1 -22 1443 | 2/17/11 6 1805 | Date/Time | Date/Time | 2/18/11 1320 pare/Time 35 | $2/ \hat{k} / 5^{a_1}$ |
|------------------------|-----------------------|-------------------------------------|---|---|------------------|--------------------|-----------------------|------------------------------|---------------------|------------------------------------|---|---------------------------------------|---------------------------------|-------------------------------|------------------------------------|--|------------------------|---------------------------------------|--|-----------------------------------|---------------|-----------------|------------------------------|--------------------------|
| CHAIN OF CUSTODY RECOR | SEND INVOICE TO: | e Cero Person/COMPANY: | ADDRESS: SQMC (YVG) CITY: STATE: ZIP | 68 PHONE: FAX: | EMAIL: | | REQUESTED ANALYSI | Matrix Number | | · · · | × | X | × | × | × | × - | × | | Receiving: GOIS 873 | X (Jaim | Sampled By | kelinquished By | Received By | Bull Parm |
| leric | nce SEND REPORT TO: | PERSONICOMPANY: Cres Youry / Enpire | ADDRESS: 535 Sumit Point Dr. | PHONE: FAX: 586-359-2730/ 359-96 | EMAIL: | COMMENTS: | | Sample Time Sample Type | 1 - 1 hc ~ Soci-she | | 860-1805 | ShLI -5ha | 850-1805 | 850- 1750 | 0101 - 1010 | 10 - 1000 | 005- 915 | 000 - 1(CC) | | | | | s and RLS | |
| Stratosph | Vapor I rail Performa | Analytics | e Avenue er New York 14608 IJSA | (585) 727-28 65- 25 | TISTE: (C.L. No. | and the same areas | Charlos cause chine a | mple Identification | Asmit CLO | 3947 BLANKL (1) - 2/14 - 2/14 - 11 | 3437 5A | 3913 2119 - TA - (22) - 01 215 216 | 8956 128-IA-005-01 2/16-2/17 | 8993 ON 6022 -01 2/15-2/16 11 | 8907 3128-09-001-01 2/14-2/15 1 | 8957 3126 - IA - 001-01 2/14-2/15 1 | 8120-04-003-01216-2117 | 58970 28128- IA- 003-01 216-217 11 | ondition: Per NELAC/ELAP 210/241/242/243/244 | Receipt Parameter Temperature: | Holding Time: | 1 day | General Comment | |

ATTACHMENT C

NYSDOH Indoor Air Quality Questionnaires and Building Inventories

145 Elmore Road

Prop 2

NEW YORK STATE DEPARTMENT OF HEALTH INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

| Preparer's Name | Oreg Young | Date/Time Pre | epared 2/1 | 5/11 |
|--------------------------|-------------------------------|--------------------|------------|------|
| Preparer's Affiliation | Empire Geo Services | Phone No | 85-359- | 2730 |
| Purpose of Investigation | Soil Vapor Intre | 5,0.1 | | |
| 1. OCCUPANT: | | | | |
| Interviewed: Y / N | | | | |
| Last Name: Stewa | First Name: | Betsy | | |
| Address: 145 G | Elmore Road | | | |
| County: Monroz | | | | |
| Home Phone: S85-7 | 21 - 854 / Office Phone: | | | |
| Number of Occupants/p | ersons at this location 2 | Age of Occupants _ | Adult | 4 |
| 2. OWNER OR LAND | LORD: (Check if same as occur | pant) | Teenage | |
| Interviewed: Y / N | | | | |
| Last Name: | First Name: | | | |
| Address: | | - | - | |
| County: | | | | |
| Home Phone: | Office Phone: | - | | |

3. BUILDING CHARACTERISTICS

OSR-3

Type of Building: (Circle appropriate response)

| | Resident | ia | Scl | hool | Comr | nercial | /Multi-us | е | |
|--------|-----------|----------|--------|---------------|-------|---------|-----------|---------------|--------------------|
| Media | Regulator | Canister | StetCh | urch Stote | Stort | End | Date | 1 End True | Same ID |
| Subshb | K099 | 部 | -29.5 | 2/14/1 | 1845 | -1 | zlidij | 1743 | 828128-55-002.01 |
| Indoor | NA | Goissáis | - | 2/14/1 | 1845 | - | 2/16/1 | 1745 | 828128-IA-002.01 |
| Odder. | NA | 6015898 | - | 2/15/11 | 1850 | - | 2/16/11 | 1750 | 828128-01A-002-01V |

Prop 2

If the property is residential, type? (Circle appropriate response)

Ranch Raised Ranch Cape Cod Duplex Modular

2-Family Split Level Contemporary Apartment House Log Home

3-Family Colonial Mobile Home Townhouses/Condos Other:

If multiple units, how many?

If the property is commercial, type?

Business Type(s)

Does it include residences (i.e., multi-use)? Y/N If yes, how many?

Other characteristics: Bacquert

Number of floors + 2 Ling

Is the building insulated (Y) N

Building age 1940 S (1941 How air tight? Tight Average / Not Tight

4. AIRFLOW NA

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

2

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

| a. Above grade construction: | wood frame | concrete | stone brick |
|------------------------------|------------|-----------------------|--------------------|
| b. Basement type: | full | crawlspace | slab other |
| c. Basement floor: | concrete | dirt | stone other |
| d. Basement floor: | uncovered | partially covered/ | covered with rogs |
| e. Concrete floor: | unsealed | sealed | sealed with paint |
| f. Foundation walls: | poured (| block | stone other |
| g. Foundation walls: | unsealed | sealed | sealed with paint |
| h. The basement is: | wet | damp | dry moldy |
| i. The basement is: | finished | unfinished | partially finished |
| j. Sump present? | YN | | |
| | | | |

3

Prop 2

k. Water in sump? Y / N / not applicable

Basement/Lowest level depth below grade: <u></u>(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Drain (see map), tilities

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

| Hot air circulation Space Heaters | Heat p Stream | ump radiation | Hot water baseboard Radiant floor | | |
|--------------------------------------|--------------------------|------------------|--------------------------------------|-------|---|
| Electric baseboard | Wood | stove | Outdoor wood boiler | Other | |
| The primary type of fuel use | ed is: | | | 40 | |
| Natural Gas Electric Wood | Fuel O Propar Coal | il le | Kerosene Solar | | |
| Domestic hot water tank fue | eled by: Natu | ral gas | | | |
| Boiler/furnace located in: | Basement | Outdoors | Main Floor | Other | |
| Air conditioning: | Central Air | Window units | Open Windows | None | • |

Are there air distribution ducts present?

Prop 2

(Y) N When & Type? Typical household (Y) N When & Type? Typical cost cosmetics

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Y/

| 7. OCCULANCE | 7. | OCCUPANCY |
|--------------|----|-----------|
|--------------|----|-----------|

| Is basement | /lowest level occupied? Full-time Occ | asionally Seldom | Almost Never |
|--------------------------|--|--------------------------|--------------------|
| Level | General Use of Each Floor (e.g., familyro | om, bedroom, laundry, | workshop, storage) |
| Basement | Storage, work bench | | _ |
| 1 st Floor | Living | | _ |
| 2 nd Floor | Living | | |
| 3 rd Floor | | | _ |
| 4 th Floor | | | _ |
| 8. FACTOI a. Is there | RS THAT MAY INFLUENCE INDOOR AIR e an attached garage? | QUALITY | |
| b. Does th | ne garage have a separate heating unit? | Y NNA | 1. 1. |
| c. Are pet stored | roleum-powered machines or vehicles in the garage (e.g., lawnmower, atv, car) | Y N/NA Please specify | Car |
| d. Has the | e building ever had a fire? | YN When | 1? before 1991 2 |
| e. Is a ker | osene or unvented gas space heater present? | Y (N) When | re? |
| f. Is there | a workshop or hobby/craft area? | YN Where & Typ | be? |
| g. Is there | e smoking in the building? | Y (N) How frequent | tly? |

g. Is there smoking in the building?

h. Have cleaning products been used recently?

i. Have cosmetic products been used recently?

| 5 | Prop 2 |
|--|--|
| j. Has painting/staining been done in the last 6 months? | Y N Where & When? |
| k. Is there new carpet, drapes or other textiles? | Y N Where & When? |
| I. Have air fresheners been used recently? | Y N When & Type? |
| m. Is there a kitchen exhaust fan? | (Y)N If yes, where vented? into gauge |
| n. Is there a bathroom exhaust fan? | (Y)N If yes, where vented? Offide |
| o. Is there a clothes dryer? | YN If yes, is it vented outside YN |
| p. Has there been a pesticide application? | (Y)N When & Type? ugsp killer from boffle , possible mouse |
| Are there odors in the building? If yes, please describe: | Y(N) poison in besement |
| Do any of the building occupants use solvents at work? (e.g., chemical manufacturing or laboratory, auto mechanic or boiler mechanic, pesticide application, cosmetologist If yes, what types of solvents are used? | Y N auto body shop, painting, fuel oil delivery, |
| If yes, are their clothes washed at work? | Y/N |
| Do any of the building occupants regularly use or work at response) Yes, use dry-cleaning regularly (weekly) Yes, use dry-cleaning infrequently (monthly or less) Yes, work at a dry-cleaning service | a dry-cleaning service? (Circle appropriate No long ago Unknown Possibly some dry cleaned gaments in bacement |
| Is there a radon mitigation system for the building/structu Is the system active or passive? Active/Passive | re? Y N Date of Installation: |
| O WATED AND SEWACE | |
| Water Supply Rublic Water Drilled Well Driv | en Well Other |
| C Di L Dill Cartie Terk | h Field Dry Well Other: |
| Sewage Disposal: Public Sewer) Septic Tank Leac | n Fleid Dry well Other: |
| 10. RELOCATION INFORMATION (for oil spill resident | ial emergency) |
| a. Provide reasons why relocation is recommended: | |
| b. Residents choose to: remain in home relocate to fi | riends/family relocate to hotel/motel |
| c. Responsibility for costs associated with reimbursem | ent explained? Y / N |
| d. Relocation package provided and explained to resid | ents? Y / N |

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



First Floor:



Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _

List specific products found in the residence that have the potential to affect indoor air quality.

| Location | Product Description | Size (units) | Condition* | Chemical Ingredients | Field Instrument Reading (units) | Photo ** <u>Y / N</u> |
|----------|--------------------------|-----------------|------------|-----------------------------------|---|--------------------------|
| | Camp Dry | 1202 | U | hydrocarbon propellant, petroleum | 60,005 | N |
| | Acryte Senler | 1202 | U | Methylene Chloride, toluene | 152 pb | |
| 10-cans | Paint Enamel /Latex | Igal | и | | bkgd | |
| | NeatsFoot Compound | 802 | u | petroleum distillates | bkgd | |
| - | Haning Oil | 607 | u | 11 | 1 | |
| G-tuber | Caulk - Latex | 1002 | 10/u | Jatex | | |
| | Caulk - gatter+ flashing | 10.102 | 40 | immeral spirits | | |
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| | | | | | | |

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)** ** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

RAE

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used:

List specific products found in the residence that have the potential to affect indoor air quality.

| Location | Product Description | Size (units) | Condition* | Chemical Ingredients | Field Instrument Reading (units) | Photo ** <u>Y / N</u> |
|----------|-------------------------|-----------------|------------|------------------------|---|--------------------------|
| | Spay paint, Kylon | | U | | 131 ppb | |
| | Caft paint Hobby | craft | U | | | |
| 1 | hood fille | ~ | U | | | |
| | WD-40 | (2) Boz | \cup | Petroleum distrillates | | |
| | DAP Groat Apair | S.S.Y Cloz | U | Voc Log % by ut | | |
| | Kuit Seal Plis Carlt | 5 5 GZ | | VOC 60.740 | - | |
| | CLR | | V | NL | | |
| | - | | | | | |
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| | | | - | | | |
| 1 | | | | | | |
| | | | | | • | |
| | | | 1 | | | - |

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)** ** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

54 Orchard Drive

OSR-3

| NEW YORK STATE DEPARTMENT OF HEALTH |
|---|
| INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY |
| CENTER FOR ENVIRONMENTAL HEALTH |

This form must be completed for each residence involved in indoor air testing.

Prop 5

| Preparer's Name Gres Yours Date/Time Prepared 2/14/1 |
|---|
| Preparer's Affiliation Empire Geo Services Phone No. 585-359-2730 |
| Purpose of Investigation Soil Vapor Intrasion |
| 1. OCCUPANT: |
| Interviewed: Y/N |
| Last Name: Clark First Name: Pesinald |
| Address: SY Orchard Drive |
| County: Monoe |
| Home Phone: <u>S85-3B-8777</u> Office Phone: |
| Number of Occupants/persons at this location 2 Age of Occupants AdJHS |
| |
| 2. OWNER OR LANDLORD: (Check if same as occupant /) |
| Interviewed: Y/N |
| Last Name:First Name: |
| Address: |
| County: |
| Home Phone: Office Phone: |

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

| | Residen I. Industria | tial | Sci IsterCh | hool urch | Comr | nercial | /Multi-use | | |
|--------|-------------------------|----------|----------------|--------------|------|---------|------------|------|--------------------|
| Media | Regulator | Canister | Lac | Date | Fine | Car | Date | Tive | Same ED |
| Subshb | KYOI | 2955 | -30 | 2/16/11 | 1845 | -9 | elalu | 1760 | 828128-55-005-01 |
| Indoor | NA | Goisense | - | 2/16/11 | 1845 | - | 2/11/1 | 1930 | 828128-IA-005-01 / |
| Oddoo, | NA | GOKEA39 | - | 2/16/1 | 1850 | - | elinly | 1803 | 828128-04-005.01 V |

| 2 | |
|---|--|
| | |
| | |

Vid S

If the property is residential, type? (Circle appropriate response) 3-Family Ranch 2-Family Colonial Split Level Raised Ranch Contemporary Cape Cod Mobile Home Townhouses/Condos Duplex Apartment House Log Home Modular Other: If multiple units, how many? If the property is commercial, type? Business Type(s) Does it include residences (i.e., multi-use)? Y / N If yes, how many? Other characteristics: Ath Building age 1920'S Number of floors Agreent How air tight? Tight / Average) Not Tight Is the building insulated? Y) N 4. AIRFLOW NIA Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe: Airflow between floors Airflow near source Outdoor air infiltration 1 Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

| a. Above grade constructi | on: wood frame | concrete | stone | brick |
|-----------------------------|-----------------------|------------|-----------------|----------|
| b. Basement type: | full + (| crawlspace | slab | other |
| c. Basement floor: | concrete | dirt | stone | other |
| d. Basement floor: | uncovered (| Peovered | covered with | thon nos |
| e. Concrete floor: | unsealed (| sealed | sealed with _ | paint |
| f. Foundation walls: | poured | block | stone | other |
| g. Foundation walls: | unsealed | sealed | sealed with _ | paint |
| h. The basement is: | wet | damp wet | er dry | moldy |
| i. The basement is: | finished | unfinished | partially finis | hed |
| j. Sump present? | YN | | - | |
| k. Water in sump? | Y) N / not applicable | when it | rains | |
| Basement/Lowest level depth | below grade: 3-4 | _(feet) | | |

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

floating floor, tilities Sump

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

| Hot air circulation Space Heaters Electric baseboard | Heat pu Stream Wood | ump radiation stove | Hot water baseboard Radiant floor Outdoor wood boiler | Other | |
|--|---------------------------|---------------------------|---|-------|---|
| The primary type of fuel us | ed is: | | | | |
| Natural Gas Electric Wood | Fuel O Propan Coal | il e | Kerosene Solar | | |
| Domestic hot water tank fu | eled by: Natura | lgas | | | |
| Boiler/furnace located in: | Basement | Outdoors | Main Floor | Other | |
| Air conditioning: | Central Air | Window units | Open Windows | None | - |

3

PropS

Are there air distribution ducts present?

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

(Y)N

| \ | |
|---|--|
| | |
| | |
| OCCUBANCY | |
| , OCCUTANCE | Almost Never |
| s basement/lowest level occupied? Full-time Occa | Almost Never |
| <u>.evel</u> <u>General Use of Each Floor (e.g., familyroo</u> | <u>om, bedroom, laundry, workshop, storage)</u> |
| Basement Storage, vortshop, laundry | / |
| st Floor Using | |
| nd Floor Ling & storage | |
| rd Floor | |
| th Floor | |
| | |
| | |
| 3. FACTORS THAT MAY INFLUENCE INDOOR AIR | QUALITY |
| 3. FACTORS THAT MAY INFLUENCE INDOOR AIR (a. Is there an attached garage? | QUALITY Y N |
| 3. FACTORS THAT MAY INFLUENCE INDOOR AIR a. Is there an attached garage? b. Does the garage have a separate heating unit? | QUALITY Y N Y NNA |
| B. FACTORS THAT MAY INFLUENCE INDOOR AIR a. Is there an attached garage? b. Does the garage have a separate heating unit? c. Are petroleum-powered machines or vehicles | QUALITY Y N Y/N NA Y N NA |
| B. FACTORS THAT MAY INFLUENCE INDOOR AIR a. Is there an attached garage? b. Does the garage have a separate heating unit? c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) | QUALITY Y N Y N NA Y N NA Please specify |
| B. FACTORS THAT MAY INFLUENCE INDOOR AIR (a. Is there an attached garage? b. Does the garage have a separate heating unit? c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) d. Has the building ever had a fire? | QUALITY Y N Y/N NA Y N NA Please specify Y N When? |
| B. FACTORS THAT MAY INFLUENCE INDOOR AIR (a. Is there an attached garage? b. Does the garage have a separate heating unit? c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) d. Has the building ever had a fire? e. Is a kerosene or unvented gas space heater present? | QUALITY Y N Y N NA Y N Please specify Y N When? Y N Where? |
| B. FACTORS THAT MAY INFLUENCE INDOOR AIR a. Is there an attached garage? b. Does the garage have a separate heating unit? c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) d. Has the building ever had a fire? e. Is a kerosene or unvented gas space heater present? f. Is there a workshop or hobby/craft area? | YN YN YN Where & Type? Backness for the seldom |
| B. FACTORS THAT MAY INFLUENCE INDOOR AIR (a. Is there an attached garage? b. Does the garage have a separate heating unit? c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) d. Has the building ever had a fire? e. Is a kerosene or unvented gas space heater present? f. Is there a workshop or hobby/craft area? g. Is there smoking in the building? | Y Y Y N Y N Y N Y N Where? |
| a. FACTORS THAT MAY INFLUENCE INDOOR AIR (a. Is there an attached garage? b. Does the garage have a separate heating unit? c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) d. Has the building ever had a fire? e. Is a kerosene or unvented gas space heater present? f. Is there a workshop or hobby/craft area? g. Is there smoking in the building? h. Have cleaning products been used recently? | Y (N) $Y (N)$ $Where?$ $Y (N)$ $Where & Type?$ $Baccont - seldom$ $Y (N)$ $When & Type?$ |

| j. Has painting/staining been done in the last 6 months? | Y N Where & When? |
|--|---|
| k. Is there new carpet, drapes or other textiles? | Y (N) Where & When? |
| l. Have air fresheners been used recently? | Y (N) When & Type? |
| m. Is there a kitchen exhaust fan? | YN If yes, where vented? 0-4/R |
| n. Is there a bathroom exhaust fan? | (Y) N If yes, where vented? $o - 4 \frac{1}{2}$ |
| o. Is there a clothes dryer? | (Y) N If yes, is it vented outside (Y) N |
| p. Has there been a pesticide application? | YN When & Type? |
| Are there odors in the building? If yes, please describe: | YN |
| Do any of the building occupants use solvents at work? (e.g., chemical manufacturing or laboratory, auto mechanic or a poiler mechanic, pesticide application, cosmetologist | Y/N auto body shop, painting, fuel oil delivery, |
| If yes, what types of solvents are used? | |
| If yes, are their clothes washed at work? | Y / N |
| | |
| Do any of the building occupants regularly use or work at a response) Yes, use dry-cleaning regularly (weekly) Yes, use dry-cleaning infrequently (monthly or less) Yes, work at a dry-cleaning service | a dry-cleaning service? (Circle appropriate |
| Do any of the building occupants regularly use or work at a response) Yes, use dry-cleaning regularly (weekly) Yes, use dry-cleaning infrequently (monthly or less) Yes, work at a dry-cleaning service Is there a radon mitigation system for the building/structur Is the system active or passive? Active/Passive | a dry-cleaning service? (Circle appropriate No Unknown re? YN Date of Installation: |
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| Do any of the building occupants regularly use or work at a response) Yes, use dry-cleaning regularly (weekly) Yes, use dry-cleaning infrequently (monthly or less) Yes, work at a dry-cleaning service Is there a radon mitigation system for the building/structur Is there a radon mitigation system for the building/structur Is there a radon mitigation system for the building/structur Is the system active or passive? Active/Passive 9. WATER AND SEWAGE Water Supply: Public Water Drilled Well Drive Sewage Disposal: Public Sewer Septic Tank Leach | a dry-cleaning service? (Circle appropriate No Unknown re? YN Date of Installation: an Well Dug Well Other: an Field Dry Well Other: |
| Do any of the building occupants regularly use or work at a response) Yes, use dry-cleaning regularly (weekly) Yes, use dry-cleaning infrequently (monthly or less) Yes, work at a dry-cleaning service Is there a radon mitigation system for the building/structure Is there a radon mitigation system for the building/structure Is there a radon mitigation system for the building/structure Is the system active or passive? Active/Passive 9. WATER AND SEWAGE Water Supply: Public Water Drilled Well Drive Sewage Disposal: Public Sewer Septic Tank Leach 10. RELOCATION INFORMATION (for oil spill residention) | a dry-cleaning service? (Circle appropriate No. Unknown re? YN Date of Installation: an Well Dug Well Other: an Field Dry Well Other: al emergency) |
| Do any of the building occupants regularly use or work at a response) Yes, use dry-cleaning regularly (weekly) Yes, use dry-cleaning infrequently (monthly or less) Yes, work at a dry-cleaning service Is there a radon mitigation system for the building/structur Is there a radon mitigation system for the building/structur Is there a radon mitigation system for the building/structur Is the system active or passive? Active/Passive 9. WATER AND SEWAGE Water Supply: Public Water Public Sewer Septic Tank Leach 10. RELOCATION INFORMATION (for oil spill residenti a. Provide reasons why relocation is recommended: | a dry-cleaning service? (Circle appropriate No Unknown re? YN Date of Installation: an Well Dug Well Other: h Field Dry Well Other: al emergency) |
| Do any of the building occupants regularly use or work at a response) Yes, use dry-cleaning regularly (weekly) Yes, use dry-cleaning infrequently (monthly or less) Yes, work at a dry-cleaning service Is there a radon mitigation system for the building/structure Is there a radon mitigation system for the building/structure Is there a radon mitigation system for the building/structure Is there a radon mitigation system for the building/structure Is the system active or passive? Active/Passive 9. WATER AND SEWAGE Water Supply: Public Water Public Sewer Septic Tank Leach 10. RELOCATION INFORMATION (for oil spill residenti a. Provide reasons why relocation is recommended: b. Residents choose to: remain in home | a dry-cleaning service? (Circle appropriate Nonknown re? YN Date of Installation: In Well Dug Well Other: a Field Dry Well Other: al emergency) iends/family relocate to hotel/motel |
| Do any of the building occupants regularly use or work at a response) Yes, use dry-cleaning regularly (weekly) Yes, use dry-cleaning infrequently (monthly or less) Yes, work at a dry-cleaning service Is there a radon mitigation system for the building/structure Is there a radon mitigation system for the building/structure Is there a radon mitigation system for the building/structure Is there a radon mitigation system for the building/structure Is the system active or passive? Active/Passive P. WATER AND SEWAGE Water Supply: Public Water Drilled Well Drive Sewage Disposal: Public Sewer Septic Tank Leach 10. RELOCATION INFORMATION (for oil spill residenti a. Provide reasons why relocation is recommended: b. Residents choose to: remain in home relocate to fri c. Responsibility for costs associated with reimburseme | a dry-cleaning service? (Circle appropriate Nonknown re? YN Date of Installation: an Well Dug Well Other: a Field Dry Well Other: al emergency) iends/family relocate to hotel/motel nt explained? Y/N |

b

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



Pop 5

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used:

List specific products found in the residence that have the potential to affect indoor air quality.

| Location | Product Description | Size (units) | Condition* | Chemical Ingredients | Field Instrument Reading (units) | Photo ** <u>Y / N</u> |
|----------|---------------------------|-----------------|------------|-------------------------------|---|--------------------------|
| | stach, landy | dete | ert bl | each | | |
| | Shelf of srethan | e (1), | stan (| , spray paints (s), | up to 6 ppm spray paint | 01 |
| | craft paints (| ~20 | 2 02. b | ottles) | everthing else | bead |
| | 3M Supe 77 Admine | 10.75 | U | 51% VOC | 250 pab | |
| | wj=40 | (3) | 0 | Petrolan distallales | 240 000 | |
| | Tile apol. spade | | - | | | |
| | Spray disinfactant | 4675 | J | Elhard, no other TO.17 cycles | htad | |
| | Plumbers contract ad home | 3.7 | U | NL | Soonsh | |
| | Drave of craft | pai | nts | | 700,0h | ÷ |
| | Fabrious deane | 32' Clo2 | U | NL | 1. | |
| | havis dedosse | lot | 0 | vocs | 625 mb | |
| | Paint, primer | 10 | U | | 11 | |
| | (1 | | | | | - |
| | | | | | | |
| | | | | | | |
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| | | | | | | |

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)** ** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

PP6 PAE

126 Orchard Drive

NEW YORK STATE DEPARTMENT OF HEALTH INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Prop

| Preparer's Name <u>Greg Young</u> Date/Time Prepared 2/1/1/ |
|--|
| Preparer's Affiliation Empire Geo Services Phone No. 585-359-2730 |
| Purpose of Investigation Soil Vapor Introsion |
| 1. OCCUPANT: |
| Interviewed YN |
| Last Name: White First Name: Patricia Tricia |
| Address: 126 Orchad Drive |
| County: Monor |
| Home Phone: SSS - 259 -7523 Office Phone: |
| Number of Occupants/persons at this location 4 Age of Occupants 2 Ad-145 |
| 2. OWNER OR LANDLORD: (Check if same as occupant |
| Interviewed: Y/N |
| Last Name:First Name: |
| Address: |
| County: |
| Home Phone: Office Phone: |

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

| Media | Resident Industria Regulator | tial I Cenister | Scl Step Ch | hool urch Storte | Comm Other State | nercial/I | Multi-use | F End The | Samle ID |
|--------|------------------------------------|-----------------------|-------------------|------------------------|------------------------|-----------|-----------|--------------|--------------------|
| Subshb | K131 | 6,6,66 | -30 | zhih | 110 | -10 | 2/15/11 | 1000 | 828128 55-001-01 |
| Indoor | NA | Gon 589 57 | 1 | 2/14/11 | 1110 | - | 2/15/11 | 1000 | 828128-IA-001-01V |
| Ofder, | NA | 60158907 | - | 2/11/11 | 1115 | - " | 2/15/11 | 1010 | 828128-01-001-01 V |
| Blank | NA | GOISEANT | - | 2hth | 1110 | - | 2/15/11 | 1000 | 82B128-BLANKI |

| | | 2 | Prop 1 |
|--|--|--|-------------|
| If the property is resident | ial, type? (Circle appropr | riate response) | |
| Ranch Raised Ranch Cape Cod Duplex Modular | 2-Family Split Level Contemporary Apartment House Log Home | 3-Family Colonial Mobile Home Townhouses/Condos Other: | |
| If multiple units, how man | ny? | | |
| If the property is commer | cial, type? | | |
| Business Type(s) | | | |
| Does it include residen | ces (i.e., multi-use)? Y / | N If yes, how many? | |
| Other characteristics: | 21. | 1 | |
| Number of floors 3 | + 1 Basement Bui | lding age 1930 \$ | |
| Is the building insulate | d YN How | w air tight? Tight / Average / Not | t Tight |
| A AIDELOW | | | |
| 4. AIRFLOW | | | le deserthe |
| Airflow between floors | JA | | |
| | a | | 1 |
| A inflow near course | | | |
| Airflow near source | | | |
| | | | |
| | | a start and a start of the | |
| | | | |
| Outdoor air infiltration | | | |
| | | | |
| 1 | | | |
| Infiltration into air ducts | | | |
| | | | |
| | ter and the second second | - | |
3

) OP

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

| a. Above grade construction: | wood frame | Sconcrete | stone | brick | |
|----------------------------------|-------------------|----------------------|---------------|---------|----|
| b. Basement type: | (full) + | crawlspace | slab | other | _ |
| c. Basement floor: | concrete | dirt(in caulspace | stone | other | 11 |
| d. Basement floor: | uncovered | (covered) | covered wit | th 1~85 | |
| e. Concrete floor: | unsealed | sealed | sealed with | paint | |
| f. Foundation walls: | poured | block | stone | other | _ |
| g. Foundation walls: | unsealed | sealed | sealed with | paint | _ |
| h. The basement is: | wet | damp | dry | moldy | |
| i. The basement is: | finished | unfinished | partially fin | ished | |
| j. Sump present? | YN | | | | |
| k. Water in sump? Y | N/ not applicable | | | | |
| Basement/Lowest level depth belo | w grade: 5 | (feet) | | | |

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Hoke drilled for former toilet (see ies

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply - note primary)

| Hot air circulation Space Heaters Electric baseboard | Heat p Stream Wood | ump radiation stove | Hot water baseboard Radiant floor Outdoor wood boiler | Other | |
|--|--------------------------|---------------------------|---|-------|--|
| The primary type of fuel u | sed is: | | | | |
| Natural Gas Electric Wood | Fuel O Propar Coal | il le | Kerosene Solar | | |
| Domestic hot water tank fu | neled by: <u>Nato</u> | ral gas | | | |
| Boiler/furnace located in: | Basement | Outdoors | Main Floor | Other | |
| Air conditioning: | Central Air | Window units | Open Windows | None | |

Are there air distribution ducts present?



Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

4

| | $\partial \mathcal{T}_{-1}^{*}$ = |
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| | |
| | |
| 7. OCCUPANCY | |
| Is basement/lowest level occupied? Full-time Occ | ccasionally Seldom Almost Never |
| Level General Use of Each Floor (e.g., familyro | room, bedroom, laundry, workshop, storage) |
| | |
| Basement Storage 9 family room | im |
| 1st Floor Ling | |
| 2nd Floor Ling | |
| 3 rd Floor | · · · · · |
| 4 th Floor | |
| | |
| 8. FACTORS THAT MAY INFLUENCE INDOOR AIR | R QUALITY |
| a. Is there an attached garage? | Y N |
| b. Does the garage have a separate heating unit? | Y NNA |
| c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) | YN/NA Please specify Lann more etc |
| d. Has the building ever had a fire? | Y N When? |
| e. Is a kerosene or unvented gas space heater present? | Y N Where? |
| f. Is there a workshop or hobby/craft area? | Y N Where & Type? |
| g. Is there smoking in the building? | Y N How frequently? |
| h. Have cleaning products been used recently? | (Y)N When & Type? Typical have |
| i. Have cosmetic products been used recently? | YN When & Type? Typer cosme |

| | P101 |
|--|---|
| j. Has painting/staining been done in the last 6 months? | Y N Where & When? |
| k. Is there new carpet, drapes or other textiles? | (Y) Where & When? On First A |
| l. Have air fresheners been used recently? | (Y) When & Type? Cing floors |
| m. Is there a kitchen exhaust fan? | Y NIf yes, where vented? |
| n. Is there a bathroom exhaust fan? | YN If yes, where vented? Of gile |
| o. Is there a clothes dryer? | \bigcirc N If yes, is it vented outside? \bigcirc N |
| p. Has there been a pesticide application? | YN When & Type? |
| Are there odors in the building? If yes, please describe: | YN |
| Do any of the building occupants use solvents at work? (e.g., chemical manufacturing or laboratory, auto mechanic o poiler mechanic, pesticide application, cosmetologist | Y N or auto body shop, painting, fuel oil delivery, |
| If yes, what types of solvents are used? | |
| If yes, are their clothes washed at work? | Y/N |
| | |
| Do any of the building occupants regularly use or work a response) | t a dry-cleaning service? (Circle appropriate |
| Do any of the building occupants regularly use or work a response) Yes, use dry-cleaning regularly (weekly) Yes, use dry-cleaning infrequently (monthly or less) Yes, work at a dry-cleaning service | t a dry-cleaning service? (Circle appropriate |
| Do any of the building occupants regularly use or work a response) Yes, use dry-cleaning regularly (weekly) Yes, use dry-cleaning infrequently (monthly or less) Yes, work at a dry-cleaning service Is there a radon mitigation system for the building/struct Is the system active or passive? Active/Passive | t a dry-cleaning service? (Circle appropriate |
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| Do any of the building occupants regularly use or work a response) Yes, use dry-cleaning regularly (weekly) Yes, use dry-cleaning infrequently (monthly or less) Yes, work at a dry-cleaning service Is there a radon mitigation system for the building/struct Is the system active or passive? Active/Passive 9. WATER AND SEWAGE Water Supply: Public Water Drilled Well | t a dry-cleaning service? (Circle appropriate No Unknown ure? Y N Date of Installation: ven Well Dug Well Other: |
| Do any of the building occupants regularly use or work a response) Yes, use dry-cleaning regularly (weekly) Yes, use dry-cleaning infrequently (monthly or less) Yes, work at a dry-cleaning service Is there a radon mitigation system for the building/struct Is the system active or passive? Active/Passive O. WATER AND SEWAGE Water Supply: Public Water Drilled Well Dri Sewage Disposal: | t a dry-cleaning service? (Circle appropriate No Unknown ure? YN ate of Installation: ven Well Dug Well Other: ach Field Dry Well Other: |
| Do any of the building occupants regularly use or work a response) Yes, use dry-cleaning regularly (weekly) Yes, use dry-cleaning infrequently (monthly or less) Yes, work at a dry-cleaning service Is there a radon mitigation system for the building/struct Is there a radon mitigation system for the building/struct Is there a radon mitigation system for the building/struct Is the system active or passive? Active/Passive O. WATER AND SEWAGE Water Supply: Public Water Drilled Well Dri Sewage Disposal: Public Sewer Septic Tank Lea 10. RELOCATION INFORMATION (for oil spill resider | t a dry-cleaning service? (Circle appropriate No Unknown ure? Y N Date of Installation: ven Well Dug Well Other: uch Field Dry Well Other: ntial emergency) |
| Do any of the building occupants regularly use or work a response) Yes, use dry-cleaning regularly (weekly) Yes, use dry-cleaning infrequently (monthly or less) Yes, work at a dry-cleaning service Is there a radon mitigation system for the building/struct Is the system active or passive? Active/Passive O. WATER AND SEWAGE Water Supply: Public Water Drilled Well Dri Sewage Disposal: Public Sewer Septic Tank Lea 10. RELOCATION INFORMATION (for oil spill resider a. Provide reasons why relocation is recommended: | t a dry-cleaning service? (Circle appropriate No Unknown ure? YN ate of Installation: ven Well Dug Well Other: ach Field Dry Well Other: htial emergency) |
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| Do any of the building occupants regularly use or work a response) Yes, use dry-cleaning regularly (weekly) Yes, use dry-cleaning infrequently (monthly or less) Yes, work at a dry-cleaning service Is there a radon mitigation system for the building/struct Is the system active or passive? Active/Passive O. WATER AND SEWAGE Water Supply: Public Water Drilled Well Dri Sewage Disposal: Public Sewer Septic Tank Lea 10. RELOCATION INFORMATION (for oil spill resider a. Provide reasons why relocation is recommended: b. Residents choose to: remain in home relocate to c. Responsibility for costs associated with reimbursen | t a dry-cleaning service? (Circle appropriate Image: State of Installation: wen Well Dug Well Other: wen Well Dry Well Other: metal emergency) friends/family relocate to hotel/motel nent explained? Y / N |

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement: Crawl Space K g bsleb locatori (440 Ppb Ambient 1 150 ppb to Hot water TOBE Furnace Steps & Drain Hule in Cloog (150 pp5) \$

First Floor:



6

*đ

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



Make & Model of field instrument used: pb PAE ANS

List specific products found in the residence that have the potential to affect indoor air quality.

| Location | Product Description | Size (units) | Condition* | Chemical Ingredients | Field Instrument Reading (units) | Photo ** <u>Y / N</u> |
|----------|--|-----------------|------------|---------------------------------|---|--------------------------|
| | Later Paints | | | | Read | |
| | Hen Hir (2) | lot | V | Aretare, rethand, netwide, | Besd | |
| | Klean Strip. Afle wash | lat | U | Acetone method, xylene | 1,300 mb | |
| | Elve wood F. 1/2 | 96-1 | U | NL | Btsol | |
| | fedd, Inglahus Form healant | llor | 00 | Propage 150butane | Red | |
| | Spackling company, COIC. patch Jundes put | 1 | | | Red | |
| | Krylon Spay Davel | 1202 | U | Kebuss, where, there, alcoholds | Red | |
| | My wax wood Cille | 602 | J | NL | Red | |
| | Henry Flooring adhosine | lat | U | Vols | Rtal | |
| | WD.40 | Voz | \cup | Petrolem distallates | Ptg | |
| | Centrat Cenart | 501 | U | NC | 1,000 mb | |
| | motor oil, vax, amorall, coolant, land oil | | | 1 | 11 | |
| | Larry deterat | | | | _ | |
| | Windox, 469, Comet, 90 | | - | | | |
| | Cebreeze shart, fortaste, the A-care to 9 tile. | | | | | |
| | Au Losherel CLR, filer, | | | | | |
| | Bolt Guis, ghiss firs, | | | | | |
| | clorox, | | | | | |
| | Hove Dy Cleaning kil Custon Cleane | 1 | | No perchloroethylere (stater | int on box) | |

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)** ** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

8

Make & Model of field instrument used:

List specific products found in the residence that have the potential to affect indoor air quality.

| Location | Product Description | Size (units) | Condition* | Chemical Ingredients | Field Instrument Reading (units) | Photo ** <u>Y / N</u> |
|----------|----------------------------|-----------------|------------|----------------------|---|--------------------------|
| - | Sneeke while, static said, | - 1 | | | Bksd | |
| | trativat, raid hot | | | · _ | 1 | |
| | s-de cleane more contrate | | | | | |
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* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)** ** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Make & Model of field instrument used:

List specific products found in the residence that have the potential to affect indoor air quality.

| Location | Product Description | Size (units) | Condition* | Chemical Ingredients | Field Instrument Reading (units) | Photo ** <u>Y / N</u> |
|-------------------|---------------------------------------|-----------------|------------|--|---|--------------------------|
| Laundry Closet | boot protector Foot Lockes | 10.5 | le | heptane | 65ppb | N |
| | Rain+Stain Protector Kiwi | 5.5 02 | U | hydrocarbon propellants + petroleum distillates | bkgd | |
| | Instant Sneker Cleaner Foot Locker | 11/22 | U | NL | 5,000 000 | |
| | Lamp Dil | lQt | u | Petrolaum hydrocarbons | bkgd | |
| | Dri Wash 'n Guard Causwash | 802 | u | NL | | |
| | Scotch Gard Fabric | Doz | u | Acetone, 120/10panol. aliphatic hydrocaston, Co2 papellant, ucethum | (1000016 | |
| | Bag Sprays | Various | u | 0 | brgd | |
| | Cleansers | Various | u | | | |
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* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)** ** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

140 Orchard Drive

NEW YORK STATE DEPARTMENT OF HEALTH INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Prop 4

| Preparer's Name Katie Comerford NYSDOH Date/Time Prepared 2/16/11 |
|---|
| Preparer's Affiliation Empire Geo Services Phone No. 585-359-2730 |
| Purpose of Investigation Soil Vapor Intrasion |
| 1. OCCUPANT: |
| Interviewed: Y/N |
| Last Name: Nyer First Name: Leonard |
| Address: 140 Orchard Drue |
| County: Monroe |
| Home Phone: Office Phone: |
| Number of Occupants/persons at this location l Age of Occupants 50^+ |
| 2. OWNER OR LANDLORD: (Check if same as occupant <u>X</u>) Interviewed: Y/N |
| Last Name: First Name: |
| Address: |
| County: |
| Home Phone: Office Phone: |
| |

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

| Media | Residenti Industria | Canister | Sci Stat Ch | urch 1 State | Comr Other | nercial | Multi-use | e Find Tive | Same ED |
|----------|------------------------|----------|----------------|-----------------|---------------|---------|-----------|-------------------|---------------------|
| Subshb | 6 1360 | 6633 | -30 | 2/16/11 | 13:45 | -5 | zlinli | 1255 | 828128-55-004-01 |
| Indoor | NA | 6012013 | 1 | 2/16/11 | 1345 | - | zInly | 1255 | 828128-IA-004-01V |
| Ostelon, | NA | 60156961 | - | zhely | 1005 | - | zhaly | 915 | 828128-014-003-01 V |

If the property is residential, type? (Circle appropriate response) 3-Family 2-Family Ranch Colonial Raised Ranch Split Level Mobile Home Cape Cod Contemporary Townhouses/Condos Apartment House Duplex Other: 2 stor Log Home Modular If multiple units, how many? NA-If the property is commercial, type? Business Type(s) NA Does it include residences (i.e., multi-use)? Y / N If yes, how many? **Other characteristics:** Building age late 1940's early 1950's Number of floors 1+ Attic How air tight? (ight / everage / Not Tight Is the building insulated? (Y) / NAIRFLOW 4. Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe: Airflow between floors Airflow near source Outdoor air infiltration 1 Infiltration into air ducts

2

BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply) 5.

| a. Above grade construction: | wood frame | concrete | stone | brick |
|------------------------------|-------------------|------------|------------------|-------|
| b. Basement type: | full | crawlspace | slab | other |
| c. Basement floor: | concrete | dirt | stone | other |
| d. Basement floor: | uncovèred | covered | covered with | |
| e. Concrete floor: | unsealed | sealed | sealed with | |
| f. Foundation walls: | poured | block | stone | other |
| g. Foundation walls: | unsealed | sealed | sealed with | |
| h. The basement is: | wet | damp | dry | moldy |
| i. The basement is: | finished | unfinished | partially finish | ned |
| j. Sump present? | W/N | | | |
| k. Water in sump? Y | N) not applicable | | | |

3

Prop 4

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Sump, very thin slab w/soils below, no crushed stone

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

(Central Air)

Type of heating system(s) used in this building: (circle all that apply – note primary)

| Hot air circulation Space Heaters Electric baseboard | Heat pump Stream radiation Wood stove | Hot water baseboard Radiant floor Outdoor wood boiler | Other |
|--|---|---|-------|
| The primary type of fuel used is: | | | |
| Natural Gas Electric Wood | Fuel Oil Propane Coal | Kerosene Solar | |
| Domestic hot water tank fueled by | : Natural Gas | | |
| Boiler/furnace located in: | sement Outdoors | Main Floor | Other |

Window units Open Windows

None

Air conditioning:

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY

| Is basement | /lowest level occupied? Full-time Occa | asionally Seldom Almost Never |
|------------------------|--|--|
| Level | General Use of Each Floor (e.g., familyroc | om, bedroom, laundry, workshop, storage) |
| Basement | Laundry, exercise | · · · · · · · · · · · · · · · · · · · |
| 1 st Floor | Living space | and the second second |
| 2 nd Floor | Attic - not | |
| 3 rd Floor | | |
| 4 th Floor | | |
| 8. FACTO | RS THAT MAY INFLUENCE INDOOR AIR (| QUALITY |
| a. Is there | e an attached garage? | Y(N) |
| b. Does th | e garage have a separate heating unit? | Y/N NA |
| c. Are pet stored i | roleum-powered machines or vehicles in the garage (e.g., lawnmower, atv, car) | Y / N (NA) Please specify |
| d. Has the | e building ever had a fire? | Y (N) When? |
| e. Is a ker | osene or unvented gas space heater present? | Y (N) Where? |
| f. Is there | a workshop or hobby/craft area? | Y N Where & Type? |
| g. Is there | e smoking in the building? | Y N How frequently? |
| h. Have c | leaning products been used recently? | Y (N) When & Type? |
| i. Have co | smetic products been used recently? | $Y(\widehat{N})$ When & Type? |

Prop

4

| | | 5 | | | Prop |
|---|---|---|------------------------------------|------------------|----------------------|
| j. Has painting/sta | ining been done in | the last 6 mo | nths? Y/N | Where & Wh | en? |
| k. Is there new car | rpet, drapes or oth | er textiles? | YN | Where & Wh | en? |
| l. Have air fresher | ners been used rece | ently? | YN | When & Type | ə? |
| m. Is there a kitch | en exhaust fan? | | (Y) N | If yes, where | vented? |
| n. Is there a bath | room exhaust fan? | | ŶN | If yes, where | vented? |
| o. Is there a clothe | es dryer? | 1 | Y N | If yes, is it ve | nted outside? (V) N |
| p. Has there been | a pesticide applica | tion? | YN | When & Type | e? |
| Are there odors in If yes, please desc | the building? | | YN | - | |
| Do any of the buildi (e.g., chemical manuf boiler mechanic, pest | ng occupants use s facturing or laborato icide application, co | olvents at wor ory, auto mecha osmetologist | k? Y N anic or auto body | shop, painting | , fuel oil delivery, |
| If yes, what types o | of solvents are used? | ? | | | |
| If yes, are their clo | thes washed at work | ? | Y/N | | |
| Do any of the buildi response) | ng occupants regul | arly use or we | ork at a dry-clea | ning service? | (Circle appropriate |
| Yes, use dry- Yes, work at | cleaning infrequent a dry-cleaning servi | ly (monthly or ice | less) | Unknown | |
| Is there a radon mit Is the system active | igation system for or passive? | the building/s Active/Passive | tructure? Y | Date of Instal | lation: |
| 9. WATER AND SE | WAGE | | | | |
| Water Supply: | Public Water | Drilled Well | Driven Well | Dug Well | Other: |
| Sewage Disposal: | Public Sewer | Septic Tank | Leach Field | Dry Well | Other: |
| 10. RELOCATION | INFORMATION | (for oil spill re | esidential emerg | ency) | |
| a. Provide reaso | ns why relocation i | is recommend | ed: NA | | 12.50 |
| b. Residents cho | ose to: remain in ho | ome reloca | ate to friends/fam | ily reloc | ate to hotel/motel |
| c. Responsibility | for costs associate | d with reimb | ursement explai | ned? Y/N | Į |
| d. Relocation pa | ckage provided an | d explained to | o residents? | Y / N | 1 |

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



First Floor:



6

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



Propy

Make & Model of field instrument used:

List specific products found in the residence that have the potential to affect indoor air quality.

| Location | Product Description | Size (units) | Condition* | Chemical Ingredients | Field Instrument Reading (units) | Photo ** <u>Y / N</u> |
|----------|---------------------------|-----------------|------------|---------------------------|---|--------------------------|
| | Wat Jet cleane | 1.252 | U | NL | Blad | |
| - de | Liquid fabric soft | ner, 1 | 450/ 5pr | ay, bleach, Spray & mash, | | |
| | clorox stain rem | pre- | | | | |
| | Multy oil soap | Cloz | U | NL | | |
| | Mds:10.1 | lot | U | NL | - | |
| | Gas can | | | (empty) | 22pm | |
| | Can move | | | | 4,000 pp | |
| | All purpose cleaner | 32 6102 | U | NL | Bkad | |
| | Pledae | 12.52 | U | NL | Bksd | |
| | Pail | (2) 15-2 | U | No TO-17 cupds listed | | |
| | Live Away | 16 Fl.L | U | NL | | |
| | Spot shot Carpet Stain | 22 61 m | U | NL | | |
| | whink Cast Top Cleare | 24 02 | U | NL | | |
| | Carpet Express | 1602 | U | NL | | |
| | Pot Odo Elimnatos | 2202 | U | NL | | |
| | Zep Clear Usin clane | 32 Gloz | U | No TO-17 cmpds | | |
| | Ace Glass Chane | 1802 | U | NL | | |
| | Modday Modd Inhibitor | 3202 | U | NL | | |
| | Silicone Later Carlt | 4.5 | U | NL | 662 mb | |

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)** ** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

oob RAE

Make & Model of field instrument used:

List specific products found in the residence that have the potential to affect indoor air quality.

| Location | Product Description | Size (units) | Condition* | Chemical Ingredients | Field Instrument Reading (units) | Photo ** <u>Y / N</u> |
|----------|--|-----------------|------------|----------------------------------|---|--------------------------|
| | God Off | (2) 4.59/2 | U | NL | 2,300 ppb | |
| | Ruden Spray Fran. | 1202 | U | tolere, xylene | Bkad | |
| | Are Silicone Spray | 1000 | U | Hexare, popue, 1905tare, 1-2tare | | |
| | Goo Cone | Roz | U | Actrolen distallates | 4 | |
| × | while Lithin Grease | 10.25 | U | Perchloroethylere propone, bota | e 1,200 ph | |
| | GE Gillione I | 10.1. A 02 | U | NL | Brad | |
| | Lacare Thinke | 19 | U | petolan distallats, toler | | |
| | Mashi wood | 1002 | U | Acetone | | |
| | T-no Seal Oil Dave dain | 0.5 | U | Petidan distallate | - | |
| | Urethine | (2) 1 et | U | Alphitic hydrocarbors | 600 mb | |
| | Spray paint | 1202 | U | | 2,500 pb | |
| | hadsman Alwood Sa | let | U | No TO-17 cupids listed | Btad | |
| | Spedding compared | (2) Bol | U | NL | | |
| | Premixed ceanil Lile advance & port | let | U | N | | |
| | Various paints an | prin | nes(-5 | cans) | 4 | - |
| | 1 | | - | | | |
| | | | | 1 | | |
| | | | | | - | |
| | | | | | | - |

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)** ** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

PPO FAE

Prop Y

185 Orchard Drive

NEW YORK STATE DEPARTMENT OF HEALTH INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Prop 3

| Preparer's Name Katie Comercia NYSDOH Date/Time Prepared 3 | 2/16/11 |
|--|---------|
| Preparer's Affiliation Empire Geo Services Phone No. 585-39 | 59-2730 |
| Purpose of Investigation Soil Vapor Intrasion | |
| 1. OCCUPANT: | |
| Interviewed: Y/N | |
| Last Name: Weetman First Name: Joan | _ |
| Address: 185 Orchard Drive | _ |
| County: Monroe | |
| Home Phone: Office Phone: | |
| Number of Occupants/persons at this location 2 Age of Occupants 50^{1} | |
| 2. OWNER OR LANDLORD: (Check if same as occupant X) | |
| Interviewed: Y/N | |
| Last Name: First Name: | |
| Address: | - |
| County: | |
| Home Phone: Office Phone: | |

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

| | Residential | | School | | Commercial/Multi-use | | | e | | |
|---------|-------------|----------|--------|---------|----------------------|-----|---------------|----------------|---------------------|--|
| Media | Regulato- | Canister | stat | Drite | Stort | End | 1.End Date | 1 Grid Tive | Samle ED | |
| Subslab | K347 | 11292 | -30 | 2/16/11 | 957 | -8 | 2/17/11 | 900 | 828128-55-003-01 | |
| Indeor | NA | 60158070 | - | 2/16/11 | 1000 | - | 2/17/11 | 900 | 828128-IA-003-0/ | |
| Ostdon, | NA | Gassagey | - | 2/16/11 | 1005 | - | zlighi | 915 | 828128-014-003-01 V | |

| If the property is resident | tial, type? (Circle appropri | ate response) | |
|--------------------------------|--|---|------|
| Danah | 2 Family | 3-Family | |
| Ranch Deized Depek | Split Loval | Colonial | |
| Raised Ranch | Contormoreur | Mabile Home | |
| Cape Cod | Contemporary | Termhouses/Condea | |
| Duplex | Apartment House | Townhouses/Condos | |
| Modular | Log Home | Other: WO SOUR | |
| If multiple units, how ma | ny? <u>NA</u> | | |
| If the property is commen | rcial, type? | | |
| Business Type(s) | NA | | |
| Does it include resider | nces (i.e., multi-use)? Y / I | N If yes, how many? | |
| Other characteristics: | 1000 | | |
| Number of floors \mathcal{J} | Build | ding age 1929 | |
| | | i i la Tila la la la la tricht | |
| Is the building insulate | d?(Y// N How | air tight? (light Average) Not light | |
| 4. AIRFLOW | | | |
| | | influence and qualitativaly door | ibor |
| Use air current tubes or 1 | tracer smoke to evaluate a | irnow patterns and quantatively desci | TDe: |
| Airflow between floors | - | | |
| | | | |
| | | | |
| Airflow near source | | 7 1× - | |
| and the second | | all the second | |
| | | | |
| | | | |
| | | | |
| Outdoor air infiltration | | | |
| | | | |
| 1 | an a | | |
| | 1 - A - | | |
| Infiltration into air ducts | | | |
| | | and the second se | |
| | | | |

2

Prop 3

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

| a. Above grade construction: | wood frame | concrete | stone | brick |
|----------------------------------|--------------------|------------|------------------|-------|
| b. Basement type: | full | crawlspace | slab | other |
| c. Basement floor: | concrete | dirt | stone | other |
| d. Basement floor: | uncovered | covered | covered with _ | |
| e. Concrete floor: | unsealed | sealed | sealed with | |
| f. Foundation walls: | poured | block | stone | other |
| g. Foundation walls: | unsealed | sealed | sealed with | |
| h. The basement is: | wet | damp | dry | moldy |
| i. The basement is: | finished | unfinished | partially finish | ied |
| j. Sump present? | YN | | | |
| k. Water in sump? Y / | N / hot applicable | > | | |
| Basement/Lowest level depth belo | w grade: | (feet) | | |

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

| Prove Hot air circulation Space Heaters Electric baseboard | Heat pump Stream radiation ward Wood stove | | Hot water baseboard Radiant floor Outdoor wood boiler | Other_ | Furnace |
|--|--|--------------|---|--------|---------|
| The primary type of fuel used | l is: | | | | |
| Natural Gas Electric Wood | Fuel Oi Propan Coal | il e | Kerosene Solar | | |
| Domestic hot water tank fuel | ed by: Natu | ival Gas | | | |
| Boiler/furnace located in: | Basement | Outdoors | Main Floor | Other_ | |
| Air conditioning: (| Central Air | Window units | Open Windows | None | |

Are there air distribution ducts present?

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

YIN

Prop 3

| | | | | 1 | 4 |
|-----------------------|----------------------------|-----------------|------------------|-------------|-----------------------|
| | | | | | |
| | 100 A 100 | | | | |
| | 31 ³ 18 | | | | |
| 7. OCCUP | ANCY | | | | |
| Is basement/ | lowest level occupied? | Full-time | Occasionally | Seldom | Almost Never |
| Level | <u>General Use of Each</u> | Floor (e.g., fa | amilyroom, bedro | oom, laundr | y, workshop, storage) |
| Basement | work bench, s | torage, | laundry, | toilet, | Sinle |
| 1 st Floor | kitchen, ba | throom 1 | diningroom | | |
| 2 nd Floor | bed rooms, | bathroom | • | | |
| 3 rd Floor | Attic | | | | _ |
| 4 th Floor | | | | | |

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

| a. Is there an attached garage? | | YN |
|---|---------|--|
| b. Does the garage have a separate heating unit? | | Y/N (NA) |
| c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) | | Y / N/NA Please specify |
| d. Has the building ever had a fire? | | Y (1) When? |
| e. Is a kerosene or unvented gas space heater present? | | Y (N) Where? |
| f. Is there a workshop or hobby/craft area? | Ø/N | Where & Type? <u>seldomly used</u> |
| g. Is there smoking in the building? | Y / 🕅 | How frequently? |
| h. Have cleaning products been used recently? | (Y) / N | When & Type? <u>bleach product 20hrs age</u> |
| i. Have cosmetic products been used recently? | Y / (1) | When & Type? |
| | | |

| | | 5 | 1. 1 | | Prop |
|--|--|---------------------------------------|--------------------------------|---------------------|------------------|
| j. Has painting/staining been done | e in the last 6 mg | onths? Y/ | Where & Wh | nen? | (|
| k. Is there new carpet, drapes or o | other textiles? | Y/() | Where & Wh | ien? | |
| l. Have air fresheners been used r | ecently? | Y /(Ñ) | When & Typ | e? | |
| m. Is there a kitchen exhaust fan? | | (Y) N | If yes, where | vented? | |
| n. Is there a bathroom exhaust fa | nn? | ()/N | If yes, where | vented? Not in | sty and basem |
| o. Is there a clothes dryer? | 5 | (Y) N | If yes, is it ve | ented outside? | / N |
| p. Has there been a pesticide appl | ication? | Y/N | When & Typ | e? | |
| Are there odors in the building? If yes, please describe: | | YN | | | |
| (e.g., chemical manufacturing or labor boiler mechanic, pesticide application If yes, what types of solvents are us | ratory, auto mech , cosmetologist | anic or auto body | shop, paintinį | g, fuel oil deliver | у, |
| Do any of the building occupants re response) Yes, use dry-cleaning regular Yes, use dry-cleaning infrequ Yes, work at a dry-cleaning so | gularly use or w ly (weekly) ently (monthly or ervice | r ork at a dry-clea · less) | ning service? No Unknown | (Circle appropri | ate |
| Is there a radon mitigation system f Is the system active or passive? | for the building /s Active/Passive | structure? Y (Ñ e |) Date of Insta | llation: | - |
| 9. WATER AND SEWAGE | * | | | | |
| Water Supply: Public Water | Drilled Well | Driven Well | Dug Well | Other: | |
| Sewage Disposal: Public Sewer | Septic Tank | Leach Field | Dry Well | Other: | _ |
| 10. RELOCATION INFORMATIO | N (for oil spill r | esidential emerg | ency) | | 6 . A |
| a. Provide reasons why relocation | on is recommend | led: NA | | | - |
| b. Residents choose to: remain in | n home reloc | ate to friends/fam | ily reloc | ate to hotel/mote | 1 |
| c. Responsibility for costs associ | iated with reimb | ursement explai | ned? Y/N | V | |
| d. Relocation package provided | and explained t | o residents? | Y / Y | V | • |
| | | | | | |

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.



First Floor:

6

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



Make & Model of field instrument used: _

List specific products found in the residence that have the potential to affect indoor air quality.

| Location | Product Description | Size (units) | Condition* | • Chemical Ingredients | Field Instrument Reading (units) | Photo ** <u>Y / N</u> |
|----------|---------------------------|-----------------|------------|-----------------------------|---|--------------------------|
| | Gel gloss | 16 102 | 0 | Petrdan distellates | Bkgd | |
| | Stigo wax remove | NL | 0 | xyles, aromatic hydrocabors | Besd | |
| | Jan-X | 12 dor | U | NL | 220 pb | 1 |
| | Plashic held | NL | J | Trichloromethane | 127 pph | |
| | Sno yeal wax | 7.5 | J | NL | Bkad | |
| | Carpenters Lood Glue | 25 | U | NL | | |
| | Case honing oil | doz | U | NL | | |
| | Nikaw Leathe Carditore | 125 nl | U | NL | | |
| | Sta Pat Plumbes Pully | 1402 | U | NL | | |
| | Shoe Polishes | | | | 187,00 | |
| | DAP Carking | 11 | VO | NL | - | |
| | DA abtib. Paral Adhere | 11 | 00 | Petideus hydrocarbors | 149 100 | |
| | Rost & Shoe Oil | 89 | U | NL | Blesd | |
| | Spray on dusk | 1202 | U | NL | 153 pb | |
| | Lock Gre lock fluid | 3.5 | U | NL | 190 ppb | |
| | Jet Black oil Sof Seal | 32 A02 | 0 | NL | sted | |
| | Schwin I be | 10.5 | .0 | M | Bled | |
| | DAP Gille 9 Abchin | 10.1 | U | Volg | 360 Ad | |
| | Silver water Apellant | 802 | V | NL | 108 ph | |

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)** ** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

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Pop 3

Make & Model of field instrument used:

List specific products found in the residence that have the potential to affect indoor air quality.

| Location | Product Description | Size (units) | Condition* | Chemical Ingredients | Field Instrument Reading (units) | Photo ** <u>Y / N</u> |
|----------|-----------------------------------|-----------------|------------|------------------------------|---|--------------------------|
| | Bis & top panoe | 1202 | 5 | NL | Blad | |
| | Min wax wood fille | | U | Aronatic hydroichons & styre | Blad | |
| - | Flitz metal pdish | 250-6 | V | NL | Bled | |
| | Lysol, Raid, motor | 0:1, | penetratin | roil | | |
| | Paint cans | 10 | U | | | |
| 4 | Polywethane | 2-3 | U | | - | |
| | Spray parits | 5 | U | | 300 ppb | |
| | Lacque thinie | paint | and war ni | 6 remove | 5,000 pp | |
| | Candy deterents | | | | | |
| | Dryel Dry dean only found care | y dryelood | U | NL | | |
| | | | | | | |
| 1 | | | | | | |
| | | | | | | |
| | | | | 2 gr | | - |
| | | | | | e | |
| | ¥. | | | | | |
| | · · · · | | | | | |
| | | | | | | |
| | 50 State 1 | | | | | 4 |

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)** ** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

ATTACHMENT D

Data Usability Summary Reports

Data Usability Summary Report

SJB Speedy Cleaners

Laboratory Data Set TestAmerica Laboratories # H1B220452 May 11, 2011

Sample Date

February 15-17, 2011

Prepared by

Jodi Zimmerman, B.S. Vali-Data of WNY, LLC 1514 Davis Rd. West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for SJB, Project # 828128, TestAmerica Laboratories, ID H1B220452, submitted to Vali-Data of WNY, LLC on May 10, 2011. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocol and USEPA National Functional Guidelines. The laboratory performed the analysis using Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

ORGANICS

The following items/criteria were reviewed for this report:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain-of-Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Tuning
- Canister Certification Blanks

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use but are qualified as estimated in Laboratory Control Samples, Compound Quantitation and Initial Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met except an alternate 'zero-air' is used for these samples.

No MDL's were included in the original package due to contract specific detection limits which equal to the reporting limits.

The samples were diluted due to the presence of non-target compounds.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES All holding times for the samples were met.

INTERNAL STANDARD (IS)

The IS did meet criteria for all samples.

SURROGATE SPIKE RECOVERIES All criteria were met.

METHOD BLANK All the criteria were met.

TRIP BLANKS No trip blank was acquired.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of 2-Butanone was outside QC limits, low in the LCS run on 2/24/11 and should be qualified as estimated in the samples. Ethanol was not part of the Laboratory Control Sample due to the single-point calibration.

MS/MSD

No MS/MSD was performed.

COMPOUND QUANTITATION

All criteria were met except the final vacuum of sample 828128-SS-002-01 was outside ASP QC limits. All target analytes in this sample should be considered estimated.

INITIAL CALIBRATION

All criteria were met except the %RSD of 2-Butanone and Bromoform were outside QC limits. ASP allows for up to two target analytes to be outside QC limits, as long as they do not exceed 40%, so no further action is required.

A single point calibration was performed for Ethanol, thus Ethanol should be qualified as estimated throughout.

CONTINUING CALIBRATION

All criteria were met except the %D of 2-Butanone was outside QC limits in the continuing calibration run on 2/24/11. ASP allows for up to two target analytes to be outside QC limits, as long as they do not exceed 40%, so no further action is required.

GC/MS TUNING

All criteria were met.

CANISTER CERIFICATION BLANKS

All criteria were met. No raw data was provided.

New York State D.E.C - e-Procurement

Client Sample ID: 828128-SS-001-01

GC/MS Volatiles

| Lot-Sample # H1B220452 - 001 | | Work Order # | | MENMJ1AA | | Matrix AIR | |
|-------------------------------------|------------|-----------------------|--------------------------|----------------|--------------------|--|--|
| Date Sampled: | 02/15/2011 | | Date Received: | 02/19/20 | 11 | | |
| Prep Date: 02/24/2011 | | | Analysis Date 02/24/2011 | | 11 | | |
| Prep Batch #: | 1056173 | | | | | | |
| Dilution Factor.: | 5 | | Method: | TO-15 | | | |
| PARAMETER | | RESULTS (ppb(v/v)) | REPORTI LIMIT (pr | NG bb(v/v)) | RESULTS (ug/m3) | REPORTING LIMIT (ug/m3) | |
| | | | | | | | |
| trans-1,3-Dichloropro | opene | ND | 0.40 | | ND | 1.8 | |
| 1,2-Dichloro-1,1,2,2-tetrafluoroeth | | ND | 0.40 | | ND | 2.8 | |
| 1.4-Dioxane | | ND | 1.0 | | ND | 3.6 | |
| Ethanol | | 115 | 4.0 | | 21 | 7.5 | |
| Ethylbenzene | | 1.6 | 0.40 | | 7.0 | 1.7 | |
| Trichlorofluorometh | ane . | 0.53 | 0.40 | | 3.0 | 2.2 | |
| Hexachlorobutadiene | | ND | 0.40 | | ND | 4.3 | |
| n-Hexane | | 2.6 | 1.0 | | 9.3 | 3.5 | |
| 2.2.4-Trimethylpentane | | ND | D 1.0 | | ND | 4.7 | |
| tert-Butyl alcohol | | ND | D 1.6 | | ND | 4.9 | |
| Methylene chloride | | 1.8 | 1.0 | | 6.2 | 3.5 | |
| Benzene | | 1.0 | 0.40 | | 3.2 | 1.3 | |
| Benzyl chloride | | ND | 0.80 | | ND | 4.1 | |
| Styrene | | 1.1 | 0.40 | | 4.6 | 1.7 | |
| 1,1,2,2-Tetrachloroet | hane | ND | 0.40 | | ND | 2.7 | |
| Tetrachloroethene | | 4.1 | 0.40 | | 28 | 2.7 | |
| Toluene | | 3.7 | 0.40 | | 14 | 1.5 | |
| 1,2,4-Trichlorobenzer | ne | ND | 0.40 | | ND | 3.0 | |
| 1,1,1-Trichloroethane | | ND | 0.40 | | ND | . 2.2 | |
| 1,1,2-Trichloroethane | , | ND | 0.40 | | ND | 2.2 | |
| Trichloroethene | | ND | 0.20 | | ND | 1.1 | |
| 1,2,4-Trimethylbenz | ene | 0.68 | 0.40 | | 3.4 | 2.0 | |
| 1,3,5-Trimethylbenzene | | 0.44 | 0.40 | | 2.2 | 2.0 | |
| Vinyl chloride | | ND | 0.40 | | ND | 1.0 | |
| o-Xylene | | 1.5 | 0.40 | | 6.5 | 1.7 | |
| Methyl tert-butyl ethe | er | ND | 0.80 | | ND | 2.9 | |
| 1,1,2-Trichlorotrifluo | roethane | ND | 0.40 | | ND | 3.1 | |
| m-Xylene & p-Xylen | e | 6.3 | 0.40 | | 27 | 1.7 | |
| Bromodichlorometha | ne | ND | 0.40 | | ND | 2.7 | |
| 1,2-Dibromoethane (I | EDB) | ND | 0.40 | | ND | 3.1 | |
| 2-Butanone (MEK) | | NDJ | 1.6 | | ND | 4.7 | |
| 4-Methyl-2-pentanon | e (MIBK) | ND | 1.0 | | ND | 4.1 | |
| Bromoform | | ND | 0.40 | | ND | 4.1 | |
| Bromomethane | | ND | 0.40 | | ND | 1.6 | |
| Carbon tetrachloride | | ND | 0.20 | | ND | 1.3 | |
| Chlorobenzene | | ND | 0.40 | | ND | 1.8 | |
| Dibromochloromethane | | ND | 0.40 | | ND | 3.4 | |
| Chloroethane | | ND | 0.40 | | ND | 1.1 | |
| Chloroform | | ND | 0.40 | | ND | 2.0 | |
| Chloromethane | | ND | 1.0 | | ND | 2.1 | |
| | | | | | | TO-14 _rev5.rpt version 5.0.103 10/12/2006 | |

New York State D.E.C - e-Procurement

Client Sample ID: 828128-SS-001-01

GC/MS Volatiles

| PARAMETER | RESULTS (ppb(v/v)) | REPORTING LIMIT (ppb(v/v)) | RESULTS (ug/m3) | REPORTING LIMIT (ug/m3) |
|--------------------------|-----------------------|-------------------------------|--------------------|----------------------------|
| Cyclohexane | 1.1 | 1.0 | 3.9 | 3.4 |
| 1,2-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,3-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,4-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| Dichlorodifluoromethane | 0.66 | 0.40 | 3.3 | 2.0 |
| 1,1-Dichloroethane | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloroethane | 0.85 | 0.40 | 3.4 | 1.6 |
| 1,1-Dichloroethene | ND | 0.40 | ND | 1.6 |
| cis-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| trans-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloropropane | ND | 0.40 | ND | 1.8 |
| cis-1,3-Dichloropropene | ND | 0.40 | ND | 1.8 |
| | Р | ERCENT | | LABORATORY CONTROL |
| SURROGATE | R | RECOVERY | | LIMITS (%) |

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(hefore rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

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New York State D.E.C - e-Procurement

Client Sample ID: 828128-SS-002-01

GC/MS Volatiles

| Lot-Sample # H1B220452 - 002 Date Sampled: 02/16/2011 Prep Date: 02/24/2011 Prep Batch #: 1056173 | | | Work Order # | MENMM1AA | Matrix: AIR | |
|--|------------|--------------------|---------------------------------|--------------------------|----------------------------|--|
| | | | Date Received: Analysis Date | 02/19/2011 02/24/2011 | | |
| Dilution Factor.: | 5 | | | | | |
| | | | | | | |
| PARAMETER | | RESULTS (ppb(y/y)) | REPORTII | NG RESULTS | REPORTING LIMIT (ug/m3) | |
| | | (ppo(117)) | | | | |
| trans-1.3-Dichloropropene | | ND | 0.40 | ND | 1.8 | |
| 1,2-Dichloro-1,1,2,2-tetrafluoroeth | | ND | 0.40 | ND | 2.8 | |
| ane | | | | | | |
| 1,4-Dioxane | | ND J | 1.0 | ND | 3.6 | |
| Ethanol | | 12 | 4.0 | 22 | 7.5 | |
| Ethylbenzene | | 1.3 | 0.40 | 5.9 | 1.7 | |
| Trichlorofluorometh | hane | ND | 0.40 | ND | 2.2 | |
| Hexachlorobutadien | ne | ND | 0.40 | ND | 4.3 | |
| n-Hexane | | 2.9 | 1.0 | 10 | 3.5 | |
| 2,2,4-Trimethylpent | tane | ND | 1.0 | ND | 4.7 | |
| tert-Butyl alcohol | | ND | 1.6 | ND | 4.9 | |
| Methylene chloride | | ND | 1.0 | ND | 3.5 | |
| Benzene | | 0.79 | 0.40 | 2.5 | 1.3 | |
| Benzyl chloride | | ND | 0.80 | ND | 4.1 | |
| Styrene | | 0.77 | 0.40 | 3.3 | 1.7 | |
| 1,1,2,2-Tetrachloroethane | | ND | 0.40 | ND | 2.7 | |
| Tetrachloroethene | | ND | 0.40 | ND | 2.7 | |
| Toluene | | 2.6 | 0.40 | 9.9 | 1.5 | |
| 1,2,4-Trichlorobenz | ene | ND | 0.40 | ND | 3.0 | |
| 1,1,1-Trichloroethar | ne | ND | 0.40 | ND | 2.2 | |
| 1.1.2-Trichloroethane | | ND | 0.40 | ND | 2.2 | |
| Trichloroethene | | ND | 0.20 | ND | 1.1 | |
| 1.2.4-Trimethylbenzene | | 0.51 | 0.40 | 2.5 | 2.0 | |
| 1.3.5-Trimethylbenzene | | ND | 0.40 | ND | 2.0 | |
| Vinvl chloride | | ND | 0.40 | ND | 1.0 | |
| o-Xylene | | 1.4 | 0.40 | 62 | 17 | |
| Methyl tert-butyl eff | her | ND | 0.80 | ND | 2.9 | |
| 1.1.2-Trichlorotriflu | oroethane | ND | 0.40 | ND | 3.1 | |
| m-Xylene & n-Xyle | ne | 57 | 0.40 | 25 | 17 | |
| Bromodichlorometh | ane | ND | 0.40 | ND | 27 | |
| 1.2-Dibromoethane | (FDR) | ND | 0.40 | ND | 2.7 | |
| 2-Butanone (MEK) | (LDD) | ND T | 1.6 | ND | 3.1 | |
| A Methyl 2 pentano | no (MIRK) | ND | 1.0 | ND | 4.7 | |
| H-menyi-2-pentano | me (MIDIC) | ND | 1.0 | ND | 4.1 | |
| Bromomethana | | ND | 0.40 | ND | 4.1 | |
| Bromomethane | | ND | 0.40 | ND | 1.0 | |
| Carbon tetrachloride | | ND | 0.20 | ND | 1.3 | |
| Chlorobenzene | | ND | 0.40 | ND | 1.8 | |
| Dibromochloromethane | | ND | 0.40 | ND | 3.4 | |
| Chloroethane | | ND | 0.40 | ND | 1.1 | |
| Chloroform | | ND | 0.40 | ND | 20 | |

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All target analytes should be "J" or "UJ"

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Client Sample ID: 828128-SS-002-01

GC/MS Volatiles

| PARAMETER | RESULTS (ppb(v/v)) | REPORTING LIMIT (ppb(v/v)) | RESULTS (ug/m3) | REPORTING LIMIT (ug/m3) |
|--------------------------|-----------------------|-------------------------------|--------------------|----------------------------|
| Chloromethane | ND | 1.0 | ND | 21 |
| Cyclobevane | 18 | 1.0 | 62 | 3.4 |
| 1.2-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1.3-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1.4-Dichlorobenzene | 0.51 | 0.40 | 3.1 | 2.4 |
| Dichlorodifluoromethane | 0.72 | 0.40 | 3.6 | 2.0 |
| 1,1-Dichloroethane | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloroethane | ND | 0.40 | ND | 1.6 |
| 1,1-Dichloroethene | ND | 0.40 | ND | 1.6 |
| cis-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| trans-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloropropane | ND | 0.40 | ND | 1.8 |
| cis-1,3-Dichloropropene | ND | 0.40 | ND | 1.8 |
| | | | | |
| | | | | LABORATORY |
| | | PERCENT | | CONTROL |
| SURROGATE | | RECOVERY | | LIMITS (%) |

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

TO-14_rev5.rpt version 5.0.103 10/12/2006

All target analytes should be "J" or "UJ"



Client Sample ID: 828128-SS-003-01

GC/MS Volatiles

| Lot-Sample # H1B220452 - | 003 | Work Order # | MENMN1AA | Matrix AIR |
|------------------------------------|-----------------------|------------------------|-------------------------------|----------------------------|
| Date Sampled: 02/17/2 | 011 | Date Received: | 02/19/2011 | |
| Prep Date: 02/24/24 | 011 | Analysis Date | 02/24/2011 | |
| Prep Batch #: 1056173 | 3 | | | |
| Dilution Factor.: 5 | | Method: | TO-15 | |
| PARAMETER | RESULTS (ppb(v/v)) | REPORTIN LIMIT (pp) | NG RESULTS b(v/v)) (ug/m3) | REPORTING LIMIT (ug/m3) |
| | | | | |
| trans-1,3-Dichloropropene | ND | 0.40 | ND | 1.8 |
| 1,2-Dichloro-1,1,2,2-tetrafluoroet | h ND | 0.40 | ND | 2.8 |
| ane | | | | |
| 1,4-Dioxane | ND | 1.0 | ND | 3.6 |
| Ethanol | ND 7 | 4.0 | ND | 7.5 |
| Ethylbenzene | 0.92 | 0.40 | 4.0 | 1.7 |
| Trichlorofluoromethane | ND | 0.40 | ND | 2.2 |
| Hexachlorobutadiene | ND | 0.40 | ND | 4.3 |
| n-Hexane | ND | 1.0 | ND | 3.5 |
| 2,2,4-Trimethylpentane | ND | 1.0 | ND | 4.7 |
| tert-Butyl alcohol | ND | 1.6 | ND | 4.9 |
| Methylene chloride | ND | 1.0 | ND | 3.5 |
| Benzene | ND | 0.40 | ND | 1.3 |
| Benzyl chloride | ND - | 0.80 | ND | 4.1 |
| Styrene | 0.84 | 0.40 | 3.6 | 1.7 |
| 1,1,2,2-Tetrachloroethane | ND | 0.40 | ND | 2.7 |
| Tetrachloroethene | ND | 0.40 | ND | 2.7 |
| Toluene | 0.70 | 0.40 | 2.6 | 1.5 |
| 1,2,4-Trichlorobenzene | ND | 0.40 | ND | 3.0 |
| 1,1,1-Trichloroethane | · ND | 0.40 | ND | 2.2 |
| 1,1,2-Trichloroethane | ND | 0.40 | ND | 2.2 |
| Trichloroethene | ND | 0.20 | ND | 1.1 |
| 1,2,4-Trimethylbenzene | ND | 0.40 | ND | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 0.40 | ND | 2.0 |
| Vinyl chloride | ND | 0.40 | ND | 1.0 |
| o-Xylene | 0.86 | 0.40 | 3.7 | 1.7 |
| Methyl tert-butyl ether | ND | 0.80 | ND | 2.9 |
| 1,1,2-Trichlorotrifluoroethane | ND | 0.40 | ND | 3.1 |
| m-Xylene & p-Xylene | 3.5 | 0.40 | 15 | 1.7 |
| Bromodichloromethane | ND | 0.40 | ND | 2.7 |
| 1,2-Dibromoethane (EDB) | ND | 0.40 | ND | 3.1 |
| 2-Butanone (MEK) | ND 🌙 | 1.6 | ND | 4.7 |
| 4-Methyl-2-pentanone (MIBK) | ND | 1.0 | ND | 4.1 ' |
| Bromoform | ND | 0.40 | ND | 4.1 |
| Bromomethane | ND | 0.40 | ND | 1.6 |
| Carbon tetrachloride | ND | 0.20 | ND | 1.3 |
| Chlorobenzene | ND | 0.40 | ND | 1.8 |
| Dibromochloromethane | ND | 0.40 | ND | 3.4 |
| Chloroethane | ND | 0.40 | ND | 1.1 |
| Chloroform | ND | 0.40 | ND | 2.0 |

Client Sample ID: 828128-SS-003-01

GC/MS Volatiles

| PARAMETER | RESULTS (ppb(v/v)) | REPORTING LIMIT (ppb(v/v)) | RESULTS (ug/m3) | REPORTING LIMIT (ug/m3) |
|--------------------------|-----------------------|-------------------------------|--------------------|-------------------------------------|
| Chloromethane | ND | 1.0 | ND | 2.1 |
| Cyclohexane | ND | 1.0 | ND | 3.4 |
| 1,2-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,3-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,4-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| Dichlorodifluoromethane | 0.47 | 0.40 | 2.3 | 2.0 |
| 1,1-Dichloroethane | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloroethane | ND | 0.40 | ND | 1.6 |
| 1,1-Dichloroethene | ND | 0.40 | ND | 1.6 |
| cis-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| trans-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloropropane | ND | 0.40 | ND | 1.8 |
| cis-1,3-Dichloropropene | ND | 0.40 | ND | 1.8 |
| | | 1 | | |
| SURROGATE | | PERCENT RECOVERY | * | LABORATORY CONTROL LIMITS (%) |

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Client Sample ID: 828128-SS-004-01

GC/MS Volatiles

| Lot-Sample # H1B220452 - 004 | | | Work | Order # | MENMQL | A Matrix AIR | | | |
|------------------------------|-----------------|------------|--------|-----------|----------------|--------------|-----|---------------------------|--|
| Date Sampled: | 02/17/2011 | | Date R | leceived: | 02/19/2011 | | | | |
| Prep Date: | 02/24/2011 | | Analys | is Date | 02/24/2011 | | | | |
| Prep Batch #: | 1056173 | | | | | | | | |
| Dilution Factor.: | 5 | | Metho | d: | TO-15 | | | | |
| | | | | | | | | | |
| | | RESULTS | | REPORTI | NG | RESULTS | RE | PORTING | |
| PARAMETER | | (ppb(v/v)) | | LIMIT (pp | b(v/v)) | (ug/m3) | LIN | AIT (ug/m3) | |
| | | | | | | | | | |
| trans-1,3-Dichloropi | opene | ND | | 0.40 | | ND | 1.8 | | |
| 1,2-Dichloro-1,1,2,2 | -tetrafluoroeth | ND | | 0.40 | | ND | 2.8 | | |
| ane | | 100 | | 1.0 | | ND | 20 | | |
| 1,4-Dioxane | | ND | | 1.0 | | ND | 3.0 | | |
| Ethanol | | 340 - | | 4.0 | | 640 | 7.5 | | |
| Ethylbenzene | | 1.1 | | 0.40 | | 4.9 | 1.7 | | |
| I richlorofluorometh | lane | ND | | 0.40 | | ND | 2.2 | | |
| Hexachiorobutadien | e | ND | | 0.40 | | ND | 4.5 | | |
| n-Hexane | | ND | | 1.0 | 4 ¹ | ND | 3.3 | | |
| 2,2,4-1 rimetnyipent | ane | ND | | 1.0 | | ND | 4.7 | | |
| tert-Butyl alcohol | | 1.7 | | 1.0 | | 5.1 | 4.9 | | |
| Pangana | | ND 0.60 | | 0.40 | | 10 | 5.5 | | |
| Benzene Benzul ablarida | | 0.00 | | 0.40 | | 1.9 | 1.5 | | |
| Starton | | ND 0.67 | | 0.00 | | 28 | 4.1 | | |
| 1 1 2 2 Totrachlaroa | thone | 0.07 | | 0.40 | | 2.0 | 1.7 | | |
| Tetrachloroethere | anane | ND | | 0.40 | | ND | 2.7 | | |
| Teluene | | 21 | | 0.40 | | 77 | 1.5 | | |
| 1 2 4-Trichlorobenze | ene | 2.1 ND | | 0.40 | | ND | 1.5 | | |
| 1.1.1-Trichloroethan | | ND | | 0.40 | | ND | 22 | | |
| 1.1.2-Trichloroethan | | ND | | 0.40 | | ND | 2.2 | | |
| Trichloroethene | | ND | | 0.40 | | ND | 11 | | |
| 1 2 4 Trimethylbenz | ana | ND | | 0.40 | | ND | 2.0 | | |
| 1,2,4-Trimethylbenz | ione | ND | | 0.40 | | ND | 2.0 | | |
| Vinul chloride | .0110 | ND | | 0.40 | | ND . | 2.0 | | |
| v myr emonde | | 10 | | 0.40 | | 14 | 1.0 | | |
| Methyl tert_butyl eth | ler | ND | | 0.40 | | ND | 2.0 | | |
| 1.1.2-Trichlorotriflu | oroethane | ND | | 0.40 | | ND | 3.1 | | |
| m-Yylone & n-Yylo | no | 3.8 | | 0.40 | | 17 | 17 | | |
| Bromodichlorometh | ane | ND | | 0.40 | | ND | 27 | | |
| 1.2.Dibromoethane | (FDB) | ND | | 0.40 | | ND | 3.1 | | |
| 2-Butanone (MEK) | | NDT | | 1.6 | | ND | 5.1 | | |
| A Methyl 2 pentano | ne (MIRK) | ND | | 1.0 | | ND | 4.1 | | |
| Bromoform | | ND | | 0.40 | | ND | 4.1 | | |
| Bromomethene | | ND | | 0.40 | | ND | 4.1 | | |
| Carbon tetrachlorida | | ND | | 0.40 | | ND | 1.0 | | |
| Chlorohengene | | ND | | 0.20 | | ND | 1.3 | | |
| Dibromochlanameth | 020 | ND | 1 | 0.40 | | ND | 1.0 | | |
| Chloroothana | and | 0.49 | | 0.40 | | 12 | 3.4 | | |
| Chloroform | | ND | | 0.40 | | ND | 1.1 | | |
| Chilorototili | | ND | | 0.40 | | THL. | 2.0 | The for the second second | |

Client Sample ID: 828128-SS-004-01

GC/MS Volatiles

| PARAMETER | RESULTS (ppb(v/v)) | REPORTING LIMIT (ppb(v/v)) | RESULTS (ug/m3) | REPORTING LIMIT (ug/m3) |
|--------------------------|-----------------------|-------------------------------|--------------------|-------------------------------------|
| Chloromethane | ND | 1.0 | ND | 2.1 |
| Cyclohexane | ND | 1.0 | ND | 3.4 |
| 1,2-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,3-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,4-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| Dichlorodifluoromethane | 0.60 | 0.40 | 3.0 | 2.0 |
| 1,1-Dichloroethane | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloroethane | 0.45 | 0.40 | 1.8 | 1.6 |
| 1,1-Dichloroethene | ND | 0.40 | ND | 1.6 |
| cis-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| trans-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloropropane | ND | 0.40 | ND | 1.8 |
| cis-1,3-Dichloropropene | ND | 0.40 | ND | 1.8 |
| | | | | |
| SURROGATE | | PERCENT RECOVERY | | LABORATORY CONTROL LIMITS (%) |

4-Bromofluorobenzene

1

104

60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Client Sample ID: 828128-SS-003-02

GC/MS Volatiles

1

| Lot-Sample # H1B220452 - 005 | | | Work Order # | MENMR1AA Matrix: | | |
|--|-------------------------------------|------------|---------------------------------|----------------------|-----------|-----------|
| Date Sampled: Prep Date: Prep Batch #: | 02/17/2011 02/24/2011 1056173 | | Date Received: Analysis Date | 02/19/20 02/24/20 | 911 11 | |
| Dilution Factor.: | 5 | | Method: | TO-15 | | |
| | | | | | | |
| PARAMETER | | RESULTS | REPORTI | NG | RESULTS | REPORTING |
| | | (ppb(v/v)) | | (V/V)) | (ug/m3) | |
| trans-1 3-Dichlorop | ronene | ND | 0.40 | | ND | 1.8 |
| 1.2-Dichloro-1.1.2.2 | -tetrafluoroeth | ND | 0.40 | | ND | 2.8 |
| ane | - tottulituorootti | TIL . | 0.40 | | TLD . | 210 |
| 1,4-Dioxane | | ND | 1.0 | | ND | 3.6 |
| Ethanol | | NDJ | 4.0 | | ND | 7.5 |
| Ethylbenzene | | 0.87 | 0.40 | | 3.8 | 1.7 |
| Trichlorofluorometh | ane | ND | 0.40 | | ND | 2.2 |
| Hexachlorobutadien | e | ND | 0.40 | | ND | 4.3 |
| n-Hexane | | ND | 1.0 | | ND | 3.5 |
| 2.2.4-Trimethylpent | ane | ND | 1.0 | R* | ND | 4.7 |
| tert-Butyl alcohol | | ND | 1.6 | | ND | 4.9 |
| Methylene chloride | | ND | 1.0 | | ND | 3.5 |
| Benzene | | ND | 0.40 | | ND | 1.3 |
| Benzyl chloride | | ND | 0.80 | | ND | 4.1 |
| Styrene | | 0.78 | 0.40 | | 33 | 17 |
| 1.1.2.2-Tetrachloroe | thane | ND | 0.40 | | ND | 27 |
| Tetrachloroethene | | ND | 0.40 | | ND | 2.7 |
| Toluene | | 0.61 | 0.40 | | 23 | 15 |
| 1.2.4-Trichlorobenze | ene | ND | 0.40 | | ND | 3.0 |
| 1.1.1-Trichloroethan | ie. | ND | 0.40 | | ND | 22 |
| 1.1.2-Trichloroethan | e | ND | 0.40 | | ND | 2.2 |
| Trichloroethene | | ND | 0.20 | | ND | 11 |
| 1 2 4-Trimethylbenz | ene | ND | 0.40 | | ND | 2.0 |
| 1 3 5-Trimethylbenz | ene | ND | 0.40 | | ND | 2.0 |
| Vinyl chloride | .cnc | ND | 0.40 | | ND | 2.0 |
| o-Yylene | | 0.91 | 0.40 | | 25 | 1.0 |
| Methyl tert-hutyl eth | ler. | ND | 0.40 | | 3.5 ND | 2.0 |
| 1 1 2 Trichlorotriflu | oroethane | ND | 0.80 | | ND | 2.5 |
| Wylana & n Vula | oroculance | 22 | 0.40 | | 14 | 5.1 |
| Bromodichloromethe | ne | 3.3 ND | 0.40 | | 14 | 1.7 |
| 1.2 Dibromosthana | | ND | 0.40 | | ND | 2.7 |
| 2 Puterone (MEV) | (EDB) | ND | 0.40 | | ND | 3.1 |
| 4 Mathrd 2 nontono | (MIDK) | ND | 1.0 | | ND | 4.7 |
| Promoform | ILE (INITEK) | ND | 1.0 | | ND | 4.1 |
| Bromomothere | | ND | 0.40 | | ND | 4.1 |
| Bromomethane | | ND | 0.40 | | ND | 1.6 |
| Carbon tetrachloride | | ND | 0.20 | | ND | 1.3 |
| Chlorobenzene | | ND | 0.40 | | ND | 1.8 |
| Dibromochlorometh | ane | ND | 0.40 | | ND | 3.4 |
| Chloroethane | | ND | 0.40 | | ND | 1.1 |
| Chloroform | | ND | 0.40 | | ND | 2.0 |

Client Sample ID: 828128-SS-003-02

GC/MS Volatiles

| Lot-Sample # H1B220452 - 005 | ١ | Work Order # MENMI | RIAA | Matrix: AIR |
|------------------------------|-----------------------|-------------------------------|--------------------|-------------------------------------|
| PARAMETER | RESULTS (ppb(v/v)) | REPORTING LIMIT (ppb(v/v)) | RESULTS (ug/m3) | REPORTING LIMIT (ug/m3) |
| Chloromethane | ND | 1.0 | ND | 2.1 |
| Cyclohexane | ND | 1.0 | ND | 3.4 |
| 1,2-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,3-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,4-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| Dichlorodifluoromethane | 0.42 | 0.40 | 2.1 | 2.0 |
| 1,1-Dichloroethane | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloroethane | ND | 0.40 | ND | 1.6 |
| 1,1-Dichloroethene | ND | 0.40 | ND | 1.6 |
| cis-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| trans-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloropropane | ND | 0.40 | ND | 1.8 |
| cis-1,3-Dichloropropene | ND | 0.40 | ND | 1.8 |
| | | | | |
| SURROGATE | | PERCENT RECOVERY | | LABORATORY CONTROL LIMITS (%) |
| 4-Bromofluorobenzene | | 107 | | 60 - 140 |

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

1

Client Sample ID: 828128-SS-005-01

GC/MS Volatiles

| Lot-Sample # H1B220452 - 006 | | | Work Order # MENMT1AA Matrix | | | ix: | AIR | | |
|--|-------------------------------------|------------|------------------------------|-----------------------|--------------------------|---------|-----|-----------|------|
| Date Sampled: Prep Date: Prep Batch #: | 02/17/2011 02/24/2011 1056173 | | Date F Analys | Received: sis Date | 02/19/2011 02/24/2011 | | | | |
| Dilution Factor.: | 5 | | Metho | d: | · TO-15 | | | | |
| | | | | | | | | | |
| DADAMETED | | RESULTS | | REPORTI | NG | RESULTS | | REPORTI | NG |
| PARAMETER | | (ppb(v/v)) | | LIMIT (pp | D(V/V)) | (ug/m3) | | LIMIT (ug | ym3) |
| trans-1 3-Dichloro | propene | ND | | 0.40 | | ND | | 1.8 | |
| 1.2-Dichloro-1.1.2 | 2-tetrafluoroeth | ND | | 0.40 | | ND | | 2.8 | |
| ane | 5,2 whandoroodi | 112 | | | | 112 | | | |
| 1.4-Dioxane | | ND | | 1.0 | | ND | | 3.6 | |
| Ethanol | | 6.1 3 | | 4.0 | | 12 | | 7.5 | |
| Ethylbenzene | | 1.4 | | 0.40 | | 6.1 | | 1.7 | |
| Trichlorofluorome | ethane | ND | | 0.40 | | ND | | 2.2 | |
| Hexachlorobutadie | ene | ND | | 0.40 | | ND | | 4.3 | |
| n-Hexane | | ND | | 1.0 | | ND | | 3.5 | |
| 2.2.4-Trimethylpe | ntane | ND | | 1.0 | | ND | | 4.7 | |
| tert-Butyl alcohol | | ND | | 1.6 | | ND | | 4.9 | |
| Methylene chlorid | le | ND | | 1.0 | | ND | | 3.5 | |
| Benzene | | ND | | 0.40 | | ND | | 1.3 | |
| Benzyl chloride | | ND | | 0.80 | | ND | | 4.1 | |
| Styrene | | 0.95 | | 0.40 | | 41 | | 1.7 | |
| 1122-Tetrachlor | oethane | ND | | 0.40 | | ND | | 2.7 | |
| Tetrachloroethene | ooununo | ND | | 0.40 | | ND | | 27 | |
| Toluene | | 14 | | 0.40 | | 53 | | 15 | |
| 124-Trichlorober | 17606 | ND | | 0.40 | | ND | | 3.0 | |
| 1.1.1.Trichloroeth | | NID | | 0.40 | | ND | | 22 | |
| 1.1.2-Trichloroeth | ane | ND | | 0.40 | | ND | | 2.2 | |
| Trichloroothono | lane | ND | | 0.40 | | ND | | 11 | |
| 1.2.4 Trimethylbo | | ND | | 0.20 | | ND | | 2.0 | |
| 1,2,4-Trimethylbe | aizene | ND | | 0.40 | | ND | | 2.0 | |
| Vinul chlorido | lizene | ND | | 0.40 | | ND | | 1.0 | |
| v myr chioride | | ND 12 | | 0.40 | | RD E2 | | 1.0 | |
| 0-Aylene Mothal tort hutd. | other | 1.2 | | 0.40 | | 5.3 | | 1./ | |
| 1 1 2 Trichlenstrif | | ND | | 0.80 | | ND | | 2.9 | |
| 1,1,2-1 richlorotri | luoroetnane | ND | | 0.40 | | ND | | 3.1 | |
| m-Xylene & p-Xy | lene | 4.9 | | 0.40 | | 21 | | 1.7 | |
| Bromodicniorome | thane | ND | | 0.40 | | ND | | 2.1 | |
| 1,2-Dibromoethan | ie (EDB) | ND | | 0.40 | | ND | | 3.1 | |
| 2-Butanone (MEK | L) | L DN | | 1.6 | | ND | | 4.7 | |
| 4-Methyl-2-pentar | none (MIBK) | ND | | 1.0 | | ND | | 4.1 | |
| Bromoform | | ND | | 0.40 | | ND | | 4.1 | * |
| Bromomethane | | ND | | 0.40 | | ND | | 1.6 | |
| Carbon tetrachlori | de | ND | 4 | 0.20 | | ND | | 1.3 | |
| Chlorobenzene | | ND | 1 | 0.40 | | ND | | 1.8 | |
| Dibromochlorome | ethane | ND | | 0.40 | | ND | | 3.4 | |
| Chloroethane | | 0.74 | | 0.40 | | 1.9 | | 1.1 | |
| Chloroform | | ND | | 0.40 | | ND | | 2.0 | |

16

Client Sample ID: 828128-SS-005-01

GC/MS Volatiles

| PARAMETER | RESULTS (ppb(v/v)) | REPORTING LIMIT (ppb(v/v)) | RESULTS (ug/m3) | REPORTING LIMIT (ug/m3) |
|--------------------------|-----------------------|-------------------------------|--------------------|----------------------------|
| Chloromethane | ND | 1.0 | ND | 2.1 |
| Cyclohexane | ND | 1.0 | ND | 3.4 |
| 1.2-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,3-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| 1,4-Dichlorobenzene | ND | 0.40 | ND | 2.4 |
| Dichlorodifluoromethane | 0.75 | 0.40 | 3.7 | 2.0 |
| 1,1-Dichloroethane | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloroethane | 0.70 | 0.40 | 2.8 | 1.6 |
| 1,1-Dichloroethene | ND | 0.40 | ND | 1.6 |
| cis-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| trans-1,2-Dichloroethene | ND | 0.40 | ND | 1.6 |
| 1,2-Dichloropropane | ND | 0.40 | ND | 1.8 |
| cis-1,3-Dichloropropene | ND | 0.40 | ND | 1.8 |
| | | . 44 | | |
| | | | | LABORATORY |
| | | PERCENT | | CONTROL |
| SURROGATE | | RECOVERY | | LIMITS (%) |

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

| Lot-Sample # | H1B250000 - 173B | | Work C | Order # | MEVTX1A | A | Matrix | : | AIR |
|----------------------|------------------|-----------------------|----------|----------|---------------|--------------------|--------|----------------------|------------|
| | 02/16/2011 | | Date Re | eceived: | 02/21/2011 | | | | |
| Prep Date: | 02/24/2011 | | Analysi | s Date | 02/24/2011 | | | | |
| Prep Batch #: | 1056173 | | 34.4 | | TO 15 | | | | |
| Dilution Factor.: | 1 | | Ivietnod | | 10-15 | | | | |
| PARAMETER | | RESULTS (ppb(v/v)) | | REPORTIN | NG b(v/v)) | RESULTS (ug/m3) | 1 | REPORTI LIMIT (ug | NG /m3) |
| - | | | | | | | | | |
| trans-1,3-Dichloror | propene | ND | | 0.080 | | ND | (| 0.36 | |
| 1.2-Dichloro-1.1.2, | 2-tetrafluoroeth | ND | | 0.080 | | ND | (| 0.56 | |
| ane | | | | | | | | | |
| 1,4-Dioxane | | ND | | 0.20 | | ND | (|).72 | |
| Ethanol | | ND | | 0.80 | | ND | 1 | 1.5 | |
| Ethylbenzene | | ND | | 0.080 | | ND | (|).35 | |
| Trichlorofluoromet | hane | ND | | 0.080 | | ND | (|).45 | |
| Hexachlorobutadie | ne | ND | | 0.080 | | ND | (| 0.85 | |
| n-Hexane | | ND | | 0.20 | | ND | . (| 0.70 | |
| 2,2,4-Trimethylpen | tane | ND | | 0.20 | | ND | (|).93 | |
| tert-Butyl alcohol | | ND | | 0.32 | | ND | (| 0.97 | |
| Methylene chloride | , | ND | | 0.20 | | ND | (| 0.69 | |
| Benzene | | ND | | 0.080 | | ND | (|).26 | |
| Benzyl chloride | | ND | | 0.16 | | ND | (| 0.83 | |
| Styrene | | ND | | 0.080 | | ND | (| 0.34 | |
| 1,1,2,2-Tetrachloro | ethane | ND | | 0.080 | | ND | (| 0.55 | |
| Tetrachloroethene | | ND | | 0.080 | | ND | (| 0.54 | |
| Toluene | | ND | | 0.080 | | ND | | 0.30 | |
| 1,2,4-Trichloroben: | zene | ND | | 0.080 | | ND | | 0.59 | |
| 1,1,1-Trichloroetha | ne | ND | | 0.080 | | ND | | 0.44 | |
| 1,1,2-Trichloroetha | ine | ND | | 0.080 | | ND | | 0.44 | |
| Trichloroethene | | ND | | 0.040 | | ND | | 0.21 | |
| 1,2,4-Trimethylben | zene | ND | | 0.080 | | ND | | 0.39 | |
| 1,3,5-Trimethylben | zene | ND | | 0.080 | | ND | | 0.39 | |
| Vinyl chloride | | ND | | 0.080 | | ND | | 0.20 | |
| o-Xylene | | ND | | 0.080 | | ND | | 0.35 | |
| Methyl tert-butyl e | ther | ND | | 0.16 | | ND | | 0.58 | |
| 1,1,2-Trichlorotrifl | uoroethane | ND | | 0.080 | | ND | | 0.61 | |
| m-Xylene & p-Xyl | ene | ND | | 0.080 | | ND | | 0.35 | |
| Bromodichloromet | hane | ND | | 0.080 | | ND | | 0.54 | |
| 1.2-Dibromoethane | (EDB) | ND | | 0.080 | | ND | | 0.61 | |
| 2-Butanone (MEK) | | ND | | 0.32 | | ND | | 0.94 | |
| 4-Methyl-2-pentan | one (MIBK) | ND | | 0.20 | | ND | | 0.82 | |
| Bromoform | | ND | | 0.080 | | ND | | 0.83 | |
| Bromomethane | | ND | | 0.080 | | ND | | 0.31 | |
| Carbon tetrachlorid | le | ND | | 0.040 | | ND | | 0.25 | |
| Chlorobenzene | | ND | 4 | 0.080 | | ND | | 0.37 | |
| Dibromochloromet | hane | ND | | 0.080 | | ND | | 0.68 | |
| Chloroethane | | ND | | 0.080 | | ND | | 0.21 | |
| Chloroform | | ND | | 0.080 | | ND | | 0.39 | |

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

| PARAMETER | RESULTS (ppb(v/v)) | REPORTING LIMIT (ppb(v/v)) | RESULTS (ug/m3) | REPORTING LIMIT (ug/m3) |
|--------------------------|-----------------------|-------------------------------|--------------------|-------------------------------------|
| Chloromethane | ND | 0.20 | ND | 0.41 |
| Cyclohexane | ND | 0.20 | ND | 0.69 |
| 1,2-Dichlorobenzene | ND | 0.080 | ND | 0.48 |
| 1,3-Dichlorobenzene | ND | 0.080 | ND | 0.48 |
| 1,4-Dichlorobenzene | ND | 0.080 | ND | 0.48 |
| Dichlorodifluoromethane | ND | 0.080 | ND | 0.40 |
| 1,1-Dichloroethane | ND | 0.080 | ND | 0.32 |
| 1,2-Dichloroethane | ND | 0.080 | ND | · 0.32 |
| 1,1-Dichloroethene | ND | 0.080 | ND | 0.32 |
| cis-1,2-Dichloroethene | ND | 0.080 | ND | 0.32 |
| trans-1,2-Dichloroethene | ND | 0.080 | ND | 0.32 |
| 1,2-Dichloropropane | ND | 0.080 | ND | 0.37 |
| cis-1,3-Dichloropropene | ND | 0.080 | ND | 0.36 |
| | | | | |
| SURROGATE | | PERCENT RECOVERY | | LABORATORY CONTROL LIMITS (%) |
| 4-Bromofluorobenzene | | 07 | _ | 60 - 140 |

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

11

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

| Lot-Sample # H1B | 250000 - 173 | С | Work Orde | er# M | EVTX1AC | Matrix | : AIR |
|--------------------------------|-------------------------------------|---------------------------|----------------------------------|----------------------------|-------------------------------|---------------------|--------------------|
| Prep Date: Prep Batch #: | 02/16/2011 02/24/2011 1056173 | | Date Receiv Analysis Da | ved: 02 nte 02 | 2/21/2011 2/24/2011 | | |
| Dilution Factor.: | 1 | | Method | : T(| 0-15 | | |
| PARAMETER | SI Al (p | PIKE MOUNT pb(v/v)) | MEASURED AMOUNT (ppb(v/v)) | SPIKE AMOUNT (ug/m3) | MEASURED AMOUNT (ug/m3) | PERCENT RECOVERY | RECOVERY LIMITS |
| trans-1 3-Dichloronrone | ne 5 | 00 | 5.07 | 23 | 23 | 101 | 70 - 130 |
| 1 2-Dichloro-1 1 2 2-tet | afluo 5 | 00 | 6.29 | 35 | 44 | 126 | 60 - 140 |
| roethane | ando 5. | .00 | 0.27 | 55 | | 120 | 00 110 |
| 1,4-Dioxane | 5. | .00 | 5.27 | 18 | 19 | 105 | 60 - 140 |
| Ethylbenzene | 5. | .00 | 4.60 | 22 | 20 | 92 | 70 - 130 |
| Trichlorofluoromethane | 5. | .00 | 6.01 | 28 | 34 | 120 | 60 - 140 |
| Hexachlorobutadiene | 5. | .00 | 5.24 | 53 | 56 | 105 | 60 - 140 |
| n-Hexane | 5. | .00 | 3.94 | 18 | 14 | 79 | 70 - 130 |
| 2.2.4-Trimethylpentane | 5 | .00 | 4.24 | 23 | 20 | 85 | 70 - 130 |
| tert-Butyl alcohol | 5 | .00 | 5.21 | 15 | 16 | 104 | 60 - 140 |
| Methylene chloride | 5. | .00 | 3.96 | 17 | 14 | 79 | 70 - 130 |
| Benzene | 5 | .00 | 4.26 | 16 | 14 | 85 | 70 - 130 |
| Benzyl chloride | 5. | .00 | 4.22 | 26 | 22 | 84 | 70 - 130 |
| Styrene | 5. | .00 | 5.20 | 21 | 22 | 104 | 70 - 130 |
| 1.1.2.2-Tetrachloroethan | ie 5. | .00 | 4.25 | 34 | 29 | 85 | 70 - 130 |
| Tetrachloroethene | 5. | .00 | 5.45 | 34 | 37 | 109 | 70 - 130 |
| Toluene | 5. | .00 | 4.50 | 19 | 17 | 90 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 5. | .00 | 4.62 | 37 | 34 | 92 | 60 - 140 |
| 1,1,1-Trichloroethane | 5. | .00 | 5.36 | 27 | 29 | 107 | 70 - 130 |
| 1,1,2-Trichloroethane | 5. | .00 | 5.11 | 27 | 28 | 102 | 70 - 130 |
| Trichloroethene | 5. | .00 | 5.72 | 27 | 31 | 114 | 70 - 130 |
| 1,1,2-Trichlorotrifluoroe | thane 5. | .00 | 4.77 | 38 | 37 | 95 | 70 - 130 |
| 1,2,4-Trimethylbenzene | 5. | .00 | 4.72 | 25 | 23 | 94 | 70 - 130 |
| 1,3,5-Trimethylbenzene | 5. | .00 | 4.89 | 25 | 24 | 98 | 70 - 130 |
| Vinyl chloride | 5. | .00 | 4.50 | 13 | 11 | 90 | 70 - 130 |
| o-Xylene | 5. | .00 | 4.79 | 22 | 21 | 96 | 70 - 130 |
| Methyl tert-butyl ether | 5. | .00 | 4.88 | 18 | 18 | 98 | 60 - 140 |
| m-Xylene & p-Xylene | . 10 | 0.0 | 9.57 | 43 | 42 | 96 | 70 - 130 |
| Bromodichloromethane | 5. | .00 | 5.80 | 34 | 39 | 116 | 70 - 130 |
| 1,2-Dibromoethane (ED | B) 5. | .00 | 5.24 | 38 | 40 | 105 | 70 - 130 |
| 2-Butanone (MEK) | 5. | .00 | 3.19 | 15 | 9.4 | 64 | 60 - 140 |
| 4-Methyl-2-pentanone (MIBK) | 5 | .00 | 3.84 | 20 | 16 | 77 | 60 - 140 |
| Bromoform | 5 | .00 | 5.65 | 52 | 58 | 113 | 60 - 140 |
| Bromomethane | 5 | .00 | 5.34 | 19 | 21 | 107 | 70 - 130 |
| Carbon tetrachloride | 5 | .00 | 6.41 | 31 | 40 | 128 | 70 - 130 |
| Chlorobenzene | 5 | .00 | 5.05 | 23 | 23 | 101 | 70 - 130 |
| Dibromochloromethane | 5 | .00 | 5.81 | 43 | 50 | 116 | 70 - 130 |
| Chloroethane | 5 | .00 | 4.51 | 13 | 12 . | 90 | 70 - 130 |

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

| Lot-Sample # H1B25000 | 00 - 173C | 3C Work Order # MEVTX1AC | | Matrix: AIR | | |
|--------------------------|-------------------------------|----------------------------------|----------------------------|-------------------------------|---------------------|--------------------|
| PARAMETER | SPIKE AMOUNT (ppb(v/v)) | MEASURED AMOUNT (ppb(v/v)) | SPIKE AMOUNT (ug/m3) | MEASURED AMOUNT (ug/m3) | PERCENT RECOVERY | RECOVERY LIMITS |
| Chloroform | 5.00 | 4.80 | 24 | 23 | 96 | 70 - 130 |
| Chloromethane | 5.00 | 3.80 | 10 | 7.8 | 76 | 60 - 140 |
| Cyclohexane | 5.00 | 4.75 | 17 | 16 | 95 | 70 - 130 |
| 1,2-Dichlorobenzene | 5.00 | 5.05 | 30 | 30 | 101 | 70 - 130 |
| 1,3-Dichlorobenzene | 5.00 | 4.76 | 30 | 29 | 95 | 70 - 130 |
| 1,4-Dichlorobenzene | 5.00 | 4.69 | 30 | 28 | 94 | 70 - 130 |
| Dichlorodifluoromethane | 5.00 | 5.94 | 25 | 29 | 119 | 60 - 140 |
| 1,1-Dichloroethane | 5.00 | 4.29 | 20 | 17 | 86 | 70 - 130 |
| 1,2-Dichloroethane | 5.00 | 5.49 | 20 | 22 | 110 | 70 - 130 |
| 1,1-Dichloroethene | 5.00 | 4.28 | 20 | 17 | 86 | 70 - 130 |
| cis-1,2-Dichloroethene | 5.00 | 4.67 | 20 | 19 | 93 | 70 - 130 |
| trans-1,2-Dichloroethene | 5.00 | 5.17 | 20 | 21 | 103 | 70 - 130 |
| 1,2-Dichloropropane | 5.00 | 4.34 · | 23 | 20 | 87 | 70 - 130 |
| cis-1,3-Dichloropropene | 5.00 | 4.84 | 23 | 22 | 97 | 70 - 130 |

| CT | TD | Dr | NC | A 1 | TT7 | |
|----|----|----|----|-----|------|--|
| ວເ | лк | ĸ | лл | A | L D. | |

PERCENT RECOVERY LABORATORY CONTROL LIMITS (%)

4-Bromofluorobenzene

105

60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data Usability Summary Report

Empire Geo Services, Inc. #828128 Speedy Cleaners

Laboratory Data Set Vapor Trail Analytics, LLC # 201110 May 18, 2011

Sample Date

February 14-17, 2011

Prepared by

Jodi Zimmerman, B.S. Vali-Data of WNY, LLC 1514 Davis Rd. West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Empire Geo Services, Inc, #828128, Vapor Trail Analytics, LLC ID #201110, submitted to Vali-Data of WNY, LLC on May 11, 2011. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocol and USEPA National Functional Guidelines. The laboratory performed the analysis using Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-17, January 1999.

ORGANICS

The following items/criteria were reviewed for this report:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain-of-Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Tuning
- Sorbent Tube Cleaning

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified as estimated in Initial Calibration, below. Lack of a laboratory control sample and matrix spikes may call into question the accuracy of the concentrations of the target analytes.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met except no MDL were provided in the original package. Vapor Trail Analytics utilized LOQ .

Form 1's for samples 828133-IA-004-01 was not included in the original package. This page is attached.

CHAIN OF CUSTODY AND TRAFFIC REPORTS All criteria were met.

HOLDING TIMES All holding times for the samples were met.

INTERNAL STANDARD (IS) The IS did meet criteria for all samples.

SURROGATE SPIKE RECOVERIES No surrogate spike was utilized.

METHOD BLANK All criteria were met.

FIELD BLANKS All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

No laboratory control sample was performed.

MS/MSD No MS/MSD were performed.

COMPOUND QUANTITATION All criteria were met.

INITIAL CALIBRATION

All criteria were met except the %RSD of Vinyl Chloride was outside QC limits. USEPA SOP # HW-31 Revision #4 allows for the %RSD of up to two target analytes to be outside QC limits but not outside the outer limit of 40%.

The %RSD of Methyl Acetate, Benzene and Styrene were outside outer QC limits. Vapor Trail Analytics used quadratic regression on these target analytes. The results of the r^2 values were within QC limits for all applicable target analytes except Styrene. The %RSD of Styrene also exceeded 90%. Styrene detected in the samples should be qualified as estimated. In the samples and blanks in which Styrene was not detected, it should be considered unusable. Vapor Trail Analytics qualified Methyl Acetate, Benzene and Styrene as estimated in the samples.

No quadratic information was included in the original package. Those pages are attached.

CONTINUING CALIBRATION

All criteria were met.

GC/MS TUNING All criteria were met.

SORBENT TUBE CLEANING

All criteria were met.



Client: Empire Geo Services, Inc.

Report To: Greg Young

535 Summit Point Drive

Henrietta, NY 14467 phone (585) 359-2730

Volatiles and Semi-Volatiles Characterization

179 Lake Avenue Rochester, NY 14608 USA Tel: (585) 727-2825 www.vaportrailanalytics.com

28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

Field Location: 828128-IA-004-01 Field ID Number: GO122073 Client Project Number: 828128 Client Job Site: Former Speedy's Cleaners Sample Type: 24-Hour Passive Indoor Air Lab Sample Number: 1432 Date Sampled: 2/16-2/17/11 Date Received: 2/18/11 Date Analyzed: 2/24/11 Lab Project Number: 201110

| | | (µg·m⁻³) | (µg·m⁻³) |
|----------------------------------|------------------------|-----------------|-----------------|
| Analyte | Dilution Factor | Reporting Limit | Result |
| 1,1-Dichloroethene | 1 | 1.06 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.14 | Not Detected |
| 1,1,1-Trichloroethane | 1 . | 0.17 | Not Detected |
| Benzene | 1 | 2.67 | 5.4 J |
| Carbon tetrachloride | 1 | 0.11 | Not Detected |
| Chloroform | . 1 | 0.14 | Not Detected |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.55 | 5.0 |
| Ethylbenzene | 1 | 1.64 | 4.0 |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.50 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | 3.0 |
| m,p-Xylenes | . 1 | 0.64 | 11 |
| o-Xylene | 1 | 0.15 | 3.7 |
| Styrene | 1 | 2.84 | Not Detected FR |
| Tetrachloroethylene | 1 | 0.15 | 1.7 |
| Toluene | 1 | 0.28 | 13 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: µg·m ⁻³ = m | icrograms per cubic me | eter | h- |
| Data File: | 022411-24.D | Signature: | Jarl D. tex |

Jack D. Fox PhD, Technical Director

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Client: Empire Geo Services, Inc. Report To: Greg Young 535 Summit Point Drive Henrietta, NY 14467 phone (585) 359-2730

Comm

179 Lake Avenue Rochester, NY 14608 USA Tel: (585) 727-2825 www.vaportrailanalytics.com

28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Field Blank Report for Air

| Field Location: 828128-BLANK1 | Lab Sample Number: 1433 |
|---|----------------------------|
| Field ID Number: GO158947 | Date Sampled: 2/14/11 |
| Client Project Number: 828128 | Date Received: 2/18/11 |
| Client Job Site: Former Speedy's Cleaners | Date Analyzed: 2/24/11 |
| Sample Type: Passive Field Blank | Lab Project Number: 201110 |
| Dilution Factor: 1 | |

| | | (ng) | (ng) |
|-----|---------------------------------|-----------------|------------------|
| | <u>Analyte</u> | Reporting Limit | Mass on Tube |
| | 1,1-Dichloroethene | 0.5 | Not Detected |
| | 1,2-Dichloroethane | 0.1 | Not Detected |
| | 1,1,1-Trichloroethane | 0.1 | Not Detected |
| | Benzene | 2.0 | Not Detected J |
| | Carbon tetrachloride | 0.1 | Not Detected |
| | Chloroform | 0.1 | Not Detected |
| | cis -1,2-Dichloroethene | 0.2 | Not Detected |
| | Cyclohexane | 1.0 | Not Detected |
| | Ethylbenzene | 1.0 | Not Detected |
| | Isopropylbenzene | 0.1 | Not Detected |
| | Methyl acetate | 2.0 | Not Detected J |
| | Methylcyclohexane | 0.2 | Not Detected |
| | m,p-Xylenes | 0.4 | Not Detected |
| | o-Xylene | 0.1 | Not Detected |
| | Styrene | 2.0 | Not Detected F & |
| | Tetrachloroethylene | 0.1 | Not Detected |
| | Toluene | 0.2 | Not Detected |
| | Trichloroethylene | 0.1 | Not Detected |
| | Vinyl Chloride | 0.1 | Not Detected |
| ent | s: ng = nanograms. NA = Not App | plicable. | The the |
| | Data File: 022411-23.D | Signature: | Jar D. Fox |

Jack D. Fox PhD, Technical Director

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Client: Empire Geo Services, Inc.

Report To: Greg Young

535 Summit Point Drive

Henrietta, NY 14467 phone (585) 359-2730 179 Lake Avenue Rochester, NY 14608 USA Tel: (585) 727-2825 www.vaportrailanalytics.com

28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

| Field Location: 828128-OA-005-01 | Lab Sample Number: 1434 |
|---|----------------------------|
| Field ID Number: GO158939 | Date Sampled: 2/16-2/17/11 |
| Client Project Number: 828128 | Date Received: 2/18/11 |
| Client Job Site: Former Speedy's Cleaners | Date Analyzed: 2/24/11 |
| Sample Type: 24-Hour Passive Outdoor Air | Lab Project Number: 201110 |

| | | (µg·m⁻³) | (µg·m [~]) |
|----------------------------------|------------------------|-----------------|----------------------|
| Analyte | Dilution Factor | Reporting Limit | Result |
| 1,1-Dichloroethene | 1 | 1.06 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.14 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | 1 | 2.66 | 6.2 J |
| Carbon tetrachloride | 1 | 0.11 | Not Detected |
| Chloroform | 1 / | 0.14 | Not Detected |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.54 | Not Detected |
| Ethylbenzene | 1 | 1.63 | 2.9 |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.49 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | Not Detected |
| m,p-Xylenes | 1 | 0.64 | 6.7 |
| o-Xylene | 1 | 0.15 | 2.3 |
| Styrene | 1 | 2.83 | Not Detected JR |
| Tetrachloroethylene | 1 | 0.15 | 7.9 |
| Toluene | 1 | 0.28 | 9.5 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: µg·m ⁻³ = 1 | micrograms per cubic m | eter | INT. |
| Data File: | 022411-25.D | Signature: | Jan D. tek |

Jack D. Fox PhD, Technical Director

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28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

Field Location: 828128-IA-002-01 Field ID Number: GO158913 Client Project Number: 828128 Client Job Site: Former Speedy's Cleaners Sample Type: 24-Hour Passive Indoor Air Lab Sample Number: 1435 Date Sampled: 2/15-2/16/11 Date Received: 2/18/11 Date Analyzed: 2/24/11 Lab Project Number: 201110

| | | (µg·m [™]) | (µg·m°) |
|----------------------------------|------------------------|----------------------|------------------|
| Analyte | Dilution Factor | Reporting Limit | Result |
| 1,1-Dichloroethene | 1 | 1.07 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.14 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | 1 | 2.69 | 3.8 |
| Carbon tetrachloride | 1 | 0.11 | Not Detected |
| Chloroform | 1 | 0.14 | Not Detected |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.56 | Not Detected |
| Ethylbenzene | 1 | 1.65 | 2.1 |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.52 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | Not Detected |
| m,p-Xylenes | 1 | 0.64 | 2.6 |
| o-Xylene | 1 | 0.15 | Not Detected |
| Styrene | 1 | 2.87 | Not Detected J R |
| Tetrachloroethylene | 1 | 0.15 | Not Detected |
| Toluene | 1 | 0.28 | 4.0 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: µg·m ⁻³ = : | micrograms per cubic m | eter | 1.T. |
| Data File | 022411-26.D | Signature: | Jail D. ter |

Jack D. Fox PhD, Technical Director

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28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

| Field Location: 828128-IA-005-01 | Lab Sample Number: 1436 |
|---|----------------------------|
| Field ID Number: GO158956 | Date Sampled: 2/16-2/17/11 |
| Client Project Number: 828128 | Date Received: 2/18/11 |
| Client Job Site: Former Speedy's Cleaners | Date Analyzed: 2/24/11 |
| Sample Type: 24-Hour Passive Indoor Air | Lab Project Number: 201110 |
| | |

| | | (µg⋅m ⁻³) | (µg·m ⁻⁵) |
|-------------------------|------------------------|-----------------------|-----------------------|
| Analyte | Dilution Factor | Reporting Limit | Result |
| 1,1-Dichloroethene | 1 | 1.06 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.14 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | 1 | 2.66 | 5.3 J |
| Carbon tetrachloride | 1 | 0.11 | Not Detected |
| Chloroform | 1 | 0.14 | 1.5 |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.54 | 2.5 |
| Ethylbenzene | 1 | 1.63 | 2.8 |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.49 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | 2.2 |
| m,p-Xylenes | 1 | 0.64 | 5.8 |
| o-Xylene | 1 | 0.15 | 1.8 |
| Styrene | 1 | 2.83 | Not Detected |
| Tetrachloroethylene | 1 | 0.15 | 7.0 |
| Toluene | 1 | 0.28 | 10 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: µg·m-3 = 1 | micrograms per cubic m | eter | TAT. |
| Data File | 022411-27.D | Signature: | Jackety |

Jack D. Fox PhD, Technical Director

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28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

| Field Location: 828128-OA-002-01 | Lab Sample Number: 1437 |
|---|----------------------------|
| Field ID Number: GO158993 | Date Sampled: 2/15-2/16/11 |
| Client Project Number: 828128 | Date Received: 2/18/11 |
| Client Job Site: Former Speedy's Cleaners | Date Analyzed: 2/24/11 |
| Sample Type: 24-Hour Passive Outdoor Air | Lab Project Number: 201110 |
| | |

| | | (µg·m [¬]) | (µg•m~) |
|----------------------------------|------------------------|----------------------|------------------|
| <u>Analyte</u> | Dilution Factor | Reporting Limit | Result |
| 1,1-Dichloroethene | 1 | 1.07 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.14 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | 1 | 2.69 | 5.3 J |
| Carbon tetrachloride | 1 | 0.11 | Not Detected |
| Chloroform | 1 | 0.14 | Not Detected |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.56 | Not Detected |
| Ethylbenzene | 1 | 1.65 | 2.2 |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.52 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | Not Detected |
| m,p-Xylenes | 1 | 0.64 | 2.5 |
| o-Xylene | 1 | 0.15 | Not Detected |
| Styrene | 1 | 2.87 | Not Detected J R |
| Tetrachloroethylene | 1 | 0.15 | Not Detected |
| Toluene | 1 | 0.28 | 3.7 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: µg·m ⁻³ = 1 | micrograms per cubic m | eter | - KT |
| Data File: | 022411-28.D | Signature: | Jal D. For |

Data File: 022411-28.D

Jack D. Fox PhD, Technical Director

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28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

| Lab Sample Number: 1438 |
|----------------------------|
| Date Sampled: 2/14-2/15/11 |
| Date Received: 2/18/11 |
| Date Analyzed: 2/24/11 |
| Lab Project Number: 201110 |
| |

| | | (µg·m~) | (µg·m°) |
|--------------------------------|------------------------|-----------------|--------------------|
| Analyte | Dilution Factor | Reporting Limit | Result |
| 1,1-Dichloroethene | 1 | 1.07 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.14 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | 1 | 2.70 | Not Detected J |
| Carbon tetrachloride | 1 | 0.11 | 1.17 |
| Chloroform | 1 | 0.14 | Not Detected |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.56 | Not Detected |
| Ethylbenzene | 1 | 1.66 | Not Detected |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.53 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | Not Detected |
| m,p-Xylenes | I | 0.65 | Not Detected |
| o-Xylene | 1 | 0.15 | Not Detected |
| Styrene | 1 | 2.88 | Not Detected J- R- |
| Tetrachloroethylene | 1 | 0.15 | Not Detected |
| Toluene | 1 | 0.28 | 1.41 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: µg·m ⁻³ = | micrograms per cubic m | eter | TAT |
| Data File: | 022411-29.D | Signature: | Jan D. Tek |

Jack D. Fox PhD, Technical Director

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Client: Empire Geo Services, Inc.

Report To: Greg Young

535 Summit Point Drive

Henrietta, NY 14467 phone (585) 359-2730

Volatiles and Semi-Volatiles Characterization

179 Lake Avenue Rochester, NY 14608 USA Tel: (585) 727-2825 www.vaportrailanalytics.com

28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

Field Location: 828128-IA-001-01 Field ID Number: GO158957 Client Project Number: 828128 Client Job Site: Former Speedy's Cleaners Sample Type: 24-Hour Passive Indoor Air Lab Sample Number: 1439 Date Sampled: 2/14-2/15/11 Date Received: 2/18/11 Date Analyzed: 2/24/11 Lab Project Number: 201110

| | | (µg·m ⁻³) | (µg·m⁻³) |
|------------------------------------|------------------------|-----------------------|----------------|
| Analyte | Dilution Factor | Reporting Limit | Result |
| 1,1-Dichloroethene | 1 | 1.08 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.15 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | 1 | 2.71 | 3.8 J |
| Carbon tetrachloride | 1 | 0.11 | Not Detected |
| Chloroform | 1 | 0.14 | Not Detected |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.57 | Not Detected |
| Ethylbenzene | 1 | 1.66 | 2.2 |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.54 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | Not Detected |
| m,p-Xylenes | 1 | 0.65 | 3.2 |
| o-Xylene | 1 | 0.15 | Not Detected |
| Styrene | 1 | 2.89 | Not Detected J |
| Tetrachloroethylene | 1 | 0.16 | Not Detected |
| Toluene | 1 | 0.28 | 4.1 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: $\mu g \cdot m^{-3} = 1$ | micrograms per cubic m | eter | - 1 |
| Data File: | 022411-30.D | Signature: | Val D.ter |

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28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

| Field Location: 828128-OA-003-01 | Lab Sample Number: 1440 |
|---|----------------------------|
| Field ID Number: GO156964 | Date Sampled: 2/16-2/17/11 |
| Client Project Number: 828128 | Date Received: 2/18/11 |
| Client Job Site: Former Speedy's Cleaners | Date Analyzed: 2/24/11 |
| Sample Type: 24-Hour Passive Outdoor Air | Lab Project Number: 201110 |

| | | (µg·m ⁻) | (µg·m°) |
|--------------------------------|-------------------------|----------------------|----------------|
| Analyte | Dilution Factor | Reporting Limit | Result |
| 1,1-Dichloroethene | 1 | 1.06 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.14 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | 1 | 2.67 | 5.6 J |
| Carbon tetrachloride | 1 | 0.11 | Not Detected |
| Chloroform | 1 | 0.14 | Not Detected |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.55 | Not Detected |
| Ethylbenzene | 1 | 1.64 | 2.9 |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.50 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | Not Detected |
| m,p-Xylenes | 1 | 0.64 | 5.7 |
| o-Xylene | 1 | 0.15 | 2.1 |
| Styrene | 1 | 2.84 | Not Detected J |
| Tetrachloroethylene | 1 | 0.15 | Not Detected |
| Toluene | 1 | 0.28 | 8.4 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: µg·m ⁻³ = | micrograms per cubic me | eter | ht. |
| Data File | 022411-31.D | Signature: | Jack tox |

Jack D. Fox PhD, Technical Director

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28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Analysis Report for Air

Field Location: 828128-IA-003-01 Field ID Number: GO158970 Client Project Number: 828128 Client Job Site: Former Speedy's Cleaners Sample Type: 24-Hour Passive Indoor Air Lab Sample Number: 1441 Date Sampled: 2/16-2/17/11 Date Received: 2/18/11 Date Analyzed: 2/24/11 Lab Project Number: 201110

| | | (µg·m ⁻³) | (µg·m~) |
|----------------------------------|------------------------|-----------------------|------------------|
| Analyte | Dilution Factor | Reporting Limit | Result |
| 1,1-Dichloroethene | 1 | 1.07 | Not Detected |
| 1,2-Dichloroethane | 1 | 0.14 | Not Detected |
| 1,1,1-Trichloroethane | 1 | 0.17 | Not Detected |
| Benzene | · 1 | 2.69 | 5.3 J |
| Carbon tetrachloride | 1 | 0.11 | Not Detected |
| Chloroform | 1 | 0.14 | Not Detected |
| cis -1,2-Dichloroethene | 1 | 0.38 | Not Detected |
| Cyclohexane | 1 | 1.56 | 2.1 |
| Ethylbenzene | 1 | 1.65 | 2.6 |
| Isopropylbenzene | 1 | 0.15 | Not Detected |
| Methyl acetate | 1 | 2.52 | Not Detected J |
| Methylcyclohexane | 1 | 0.31 | Not Detected |
| m,p-Xylenes | 1 | 0.64 | 4.5 |
| o-Xylene | 1 | 0.15 | Not Detected |
| Styrene | 1 | 2.87 | Not Detected J R |
| Tetrachloroethylene | 1 | 0.15 | Not Detected |
| Toluene | 1 | 0.28 | 7.9 |
| Trichloroethylene | 1 | 0.15 | Not Detected |
| Vinyl Chloride | 1 | 0.28 | Not Detected |
| Comments: µg·m ⁻³ = 1 | micrograms per cubic m | eter | 11-1 |
| Data File: | 022411-32.D | Signature: | Janto. for |

Jack D. Fox PhD, Technical Director

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28-Mar-2011

(---)

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Laboratory Blank Report for Air

| Field Location: NA | Lab Sample Number: 1442 |
|---|----------------------------|
| Field ID Number: GO158931 | Date Sampled: NA |
| Client Project Number: 828128 | Datc Received: 2/18/11 |
| Client Job Site: Former Speedy's Cleaners | Date Analyzed: 2/24/11 |
| Sample Type: Laboratory Blank #1 (Before Samples) | Lab Project Number: 201110 |
| Dilution Factor: 1 | |

| | (ng) | (ng) |
|---|----------------------|----------------|
| Analyte | Reporting Limit | Mass on Tube |
| 1,1-Dichloroethene | 0.5 | Not Detected |
| 1,2-Dichloroethane | 0.1 | Not Detected |
| 1,1,1-Trichloroethane | 0.1 | Not Detected |
| Benzene | 2.0 | Not Detected J |
| Carbon tetrachloride | 0.1 | Not Detected |
| Chloroform | 0.1 | Not Detected |
| cis -1,2-Dichloroethene | 0.2 | Not Detected |
| Cyclohexane | 1.0 | Not Detected |
| Ethylbenzene | 1.0 | Not Detected |
| Isopropylbenzene | 0.1 | Not Detected |
| Methyl acetate | 2.0 | Not Detected J |
| Methylcyclohexane | 0.2 | Not Detected |
| m,p -Xylenes | 0.4 | Not Detected |
| o-Xylene | 0.1 | Not Detected |
| Styrene | 2.0 | Not Detected L |
| Tetrachloroethylene | 0.1 | Not Detected |
| Toluene | 0.2 | Not Detected |
| Trichloroethylene | 0.1 | Not Detected |
| Vinyl Chloride | 0.1 | Not Detected |
| Comments: ng = nanograms. NA = Not Applic Data File: 022411-22.D | cable. Signature: | Joul D. Fox |

Jack D. Fox PhD, Technical Director

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Client: Empire Geo Services, Inc.

Report To: Greg Young

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Volatiles and Semi-Volatiles Characterization

179 Lake Avenue Rochester, NY 14608 USA Tel: (585) 727-2825 www.vaportrailanalytics.com

28-Mar-2011

NYSDOH ELAP ID Number: 11932 Analytical Method: Modified USEPA TO-17

Sampling Method: ASTM D6196-03 (Axial Diffusive)

Laboratory Blank Report for Air

| Field Location: NA | Lab Sample Number: 1443 |
|--|----------------------------|
| Field ID Number: GO158901 | Date Sampled: NA |
| Client Project Number: 828128 | Date Received: 2/18/11 |
| Client Job Site: Former Speedy's Cleaners | Date Analyzed: 2/24/11 |
| Sample Type: Laboratory Blank #2 (After Samples) | Lab Project Number: 201110 |
| Dilution Factor: 1 | |

| | | (ng) | (ng) |
|-----|-----------------------------------|-----------------|----------------|
| | Analyte | Reporting Limit | Mass on Tube |
| | 1,1-Dichloroethene | 0.5 | Not Detected |
| | 1,2-Dichloroethane | 0.1 | Not Detected |
| | 1,1,1-Trichloroethane | 0.1 | Not Detected |
| | Benzene | 2.0 | Not Detected J |
| | Carbon tetrachloride | 0.1 | Not Detected |
| | Chloroform | 0.1 | Not Detected |
| | cis -1,2-Dichloroethene | 0.2 | Not Detected |
| | Cyclohexane | 1.0 | Not Detected |
| | Ethylbenzene | 1.0 | Not Detected |
| | Isopropylbenzene | 0.1 | Not Detected |
| | Methyl acetate | 2.0 | Not Detected J |
| | Methylcyclohexane | 0.2 | Not Detected |
| | m,p-Xylenes | 0.4 | Not Detected |
| | o-Xylene | 0.1 | Not Detected |
| | Styrene | 2.0 | Not Detected J |
| | Tetrachlorocthylene | 0.1 | Not Detected |
| | Toluene | 0.2 | Not Detected |
| | Trichloroethylene | 0.1 | Not Detected |
| | Vinyl Chloride | 0.1 | Not Detected |
| Com | ments: ng = nanograms. NA = Not A | pplicable. | DET, |
| 6.2 | Data File: 022411-33 D | Signature: | Jack D.Tex |

Jack D. Fox PhD, Technical Director

Note: This report is part of a multipart document, and should only be evaluated in its entirety. Please refer to the included chain of custody for additional sample information.

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Methyl acetate **Response Ratio** Quant Method: DB-624 201109-10 ANALYSIS.M 3.2 (For all following . as well) 3.907 e-003 guadratic term 2.910 e-001 linear term 3 constant term 5.951e-001 2.8 ٢٦ 0.998424 2.6 5/10/11 F VTA 2.4 2.2-2-1.8-1.6 1.4 1.2-1-0.8 0.6 0.4 0.2-0 8 6 7 0 1 2 3 5 4 **Concentration Ratio**

Benzene **Response Ratio** 5 quadratic term Tinear term constant term -2.598 e-003 6.072 e -001 2.156 e -001 4.5 r2 0.999623 5/18/11 J VTA 4 3.5 3-2.5 2-1.5 Π 1-0.5-0. 7 8 0 2 6 1 3 5 4 **Concentration Ratio**

Styrene **Response Ratio** 3 0 quadratic term linear term - 4.643 e-003 2.8-3.386 2-001 constant term 4.977 e-001 2.6 r2 0.971442 2.4-2.2 2 1.8 1.6-۵ ٥ 1.4-1.2-1-0 0.8-0.6 0 0.4 0.2 0 0 1 2 3 5 6 7 8 4 **Concentration Ratio**