



ENVIRONMENTAL CONSULTING, INC.

240 N. Broadway, Suite 203, Portland, Oregon 97227

(503) 847-2740

www.ees-environmental.com

# Technical Memorandum

## Vapor Intrusion Assessment Data Table Revisions

To: Aaren Fielder, Washington Department of Ecology

From: Paul Ecker LHG, and Chris Rhea, LG

Date: August 5, 2017

Regarding: Plaid Pantry Store #112  
1002 West Fourth Plain Boulevard  
Vancouver, WA  
Ecology VCP Site ID SW1314  
UST Facility ID 9158935  
EES Project 1179-02



Christopher J. Rhea

EES Environmental Consulting Inc. (EES) issued a Vapor Intrusion Assessment (VIA) report dated May 18, 2017 for the Plaid Pantries Store #112 in Vancouver, Washington. As discussed with and requested by Aaren Fiedler (Ecology), EES prepared this memorandum to document the rationale used to evaluate laboratory results in the VIA report data tables. Select data table values were revised to be consistent with this rationale, as indicated below and attached.

### LABORATORY DATA PRESENTATION

Laboratory reporting limits were elevated for project-related contaminants of interest (COIs) including benzene, naphthalene, and trichloroethylene (TCE), because Freon 11 was present in certain soil gas samples and caused analytical interference. We have not determined the Freon source but it is not expected to be a constituent of gasoline and therefore is not a subject of this investigation.

In some cases, the elevated laboratory method reporting limits (MRLs) exceeded the respective MTCA regulatory screening levels for these COIs. To further evaluate this data, we asked the lab to re-report these results using the lower method detection limit (MDL). The VIA lab results are reported to the lowest quantifiable concentration with respect to each chemicals' corresponding MTCA screening level.

The VIA lab data is presented on the summary tables using the following logic:

- If a chemical was detected above the MRL, then that concentration was quantified and presented on our data tables.

- If a chemical was not detected above the MRL, and the MRL is less than the corresponding regulatory screening level, then the typical MRL “Undetected” value was presented (ie 25U = not detected at an MRL of 25 ug/m<sup>3</sup>).
- If a chemical was not detected above the MRL, but the MRL exceeded the corresponding screening level, then we presented this data resolved down to the MDL as follows:
  - If detected above the MDL, then the estimated concentration, indicated by the J-flag, was presented.
  - If not detected above the MDL, then the MDL “Undetected” value was presented.

## DATA TABLE REVISIONS

In order to be consistent with the logic described above, select VIA data values were revised on the attached Table 4. A summary of changes is shown below. None of these changes affect the conclusions of our VIA report.

| Sample ID | Sample Media   | Chemical   | Regulatory Screening Criteria (ug/m <sup>3</sup> )* | Previously Reported Result (ug/m <sup>3</sup> ) | Revised Reported Result (ug/m <sup>3</sup> ) |
|-----------|----------------|------------|-----------------------------------------------------|-------------------------------------------------|----------------------------------------------|
| A-1ss     | Sub-Slab Vapor | Benzene    | 10.7                                                | 5.0 J                                           | 7.8 U                                        |
| A-2ss     | Sub-Slab Vapor | Benzene    | 10.7                                                | 4.7 J                                           | 9.7 U                                        |
| A-5       | Outdoor Air    | M,p-Xylene | 0.17                                                | 0.30 J                                          | 0.24 J                                       |
| A-5       | Outdoor Air    | TCE        | 0.161                                               | 0.18 U                                          | 0.0072 U <sup>6</sup>                        |
| A-6       | Outdoor Air    | TCE        | 0.161                                               | 0.18 U                                          | 0.067 J                                      |
| A-7       | Outdoor Air    | TCE        | 0.161                                               | 0.18 U                                          | 0.0069 U <sup>6</sup>                        |
| A-8       | Outdoor Air    | TCE        | 0.161                                               | 0.19 U                                          | 0.048 J                                      |
| A-9       | Outdoor Air    | TCE        | 0.161                                               | 0.19 U                                          | 0.045 J                                      |

### Notes:

\* = For data shown in this table, sub-slab vapor results are compared to Ecology’s MTCA Method B screening levels from the CLARC database, and outdoor air results are compared to EPA Outdoor Background Median Concentrations (EPA, 2009).

U = Undetected at laboratory method reporting limit.

U<sup>6</sup> = Analyte was reported down to the laboratory method detection limit.

## ATTACHMENTS

Tables                      Table 4: Tier 2 Vapor Intrusion Assessment Analytical Results – VOCs

Attachment A    Laboratory Reports

## Tables

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TABLE 4  
Tier 2 Vapor Intrusion Assessment Analytical Results - Volatile Organic Compounds (µg/m³)  
Plaid Pantry No. 112  
Vancouver, Washington

| Location                                                                             | Date       | Sample Location           | Sample Depth (feet bgs) | Gasoline | Benzene             | Toluene             | Ethylbenzene | m,p-Xylene         | o-Xylene | EDB                   | EDC                | MTBE   | Naphthalene            | PCE    | TCE                | 2-Butanone | Carbon Tetrachloride | 1,1,1-Trichloroethane |
|--------------------------------------------------------------------------------------|------------|---------------------------|-------------------------|----------|---------------------|---------------------|--------------|--------------------|----------|-----------------------|--------------------|--------|------------------------|--------|--------------------|------------|----------------------|-----------------------|
| September 2016 Tier 2 VIA - Sub-Slab                                                 |            |                           |                         |          |                     |                     |              |                    |          |                       |                    |        |                        |        |                    |            |                      |                       |
| A-1SS                                                                                | 09/22/2016 | Domino's Kitchen          | 0.5                     | 1,000 U  | 7.8 U               | 12                  | 11 U         | 11 U               | 11 U     | 1.8 U <sup>6</sup>    | 2.1 U <sup>6</sup> | 35 U   | 3.4 U <sup>6</sup>     | 23     | 2.4 U <sup>6</sup> | 29 U       | 2.0 U <sup>6</sup>   | 13 U                  |
| A-2SS                                                                                | 09/22/2016 | Plaid Store               | 0.5                     | 1,200 U  | 9.7 U               | 11 U                | 13 U         | 13 U               | 13 U     | 2.3 U <sup>6</sup>    | 2.6 U <sup>6</sup> | 44 U   | 4.3 U <sup>6</sup>     | 21 U   | 3.0 U <sup>6</sup> | 36 U       | 2.5 U <sup>6</sup>   | 20                    |
| A-3SS                                                                                | 09/22/2016 | Plaid Maintenance Room    | 0.5                     | 1,500 U  | 1.7 U <sup>6</sup>  | 25                  | 16 U         | 16 U               | 16 U     | 2.8 U <sup>6</sup>    | 3.1 U <sup>6</sup> | 53 U   | 5.2 U <sup>6</sup>     | 25 U   | 3.7 U <sup>6</sup> | 43 U       | 3.0 U <sup>6</sup>   | 20 U                  |
| Median                                                                               |            |                           |                         | 1,200 U  | 7.8 J               | 12                  | 13 U         | 13 U               | 13 U     | 2.3 U <sup>6</sup>    | 2.6 U <sup>6</sup> | 44 U   | 4.3 U <sup>6</sup>     | 23     | 3.0 U <sup>6</sup> | 36 U       | 2.5 U <sup>6</sup>   | 20                    |
| Mean <sup>8</sup>                                                                    |            |                           |                         | 1,233 U  | 3.8 J               | 16                  | 13 U         | 13 U               | 13 U     | 2.3 U <sup>6</sup>    | 2.6 U <sup>6</sup> | 44 U   | 4.3 U <sup>6</sup>     | 23     | 3.0 U <sup>6</sup> | 36 U       | 2.5 U <sup>6</sup>   | 18                    |
| MTCA Method B Soil Gas Screening Levels <sup>1</sup><br>Sub-Slab (<15 foot depth)    |            |                           |                         | NA       | 10.7                | 76,200              | 15,200       | 1,520 <sup>7</sup> | 1,520    | 0.139                 | 3.21               | 321    | 2.45                   | 321    | 12.3               | NA         | 13.9                 | 76,200                |
| September 2016 Tier 2 VIA - Indoor Air                                               |            |                           |                         |          |                     |                     |              |                    |          |                       |                    |        |                        |        |                    |            |                      |                       |
| A-1                                                                                  | 09/21/2016 | Domino's Kitchen          | -                       | 530      | 0.93                | 1.1                 | 0.16 U       | 0.32 U             | 0.16 U   | 0.0076 U <sup>6</sup> | 0.043 J            | 0.66 U | 0.12 J,J <sup>1</sup>  | 0.25 U | 0.20 U             | 2.7 U      | 0.48                 | 0.20 U                |
| A-2                                                                                  | 09/21/2016 | Plaid Store               | -                       | 970      | 1.5                 | 8.5                 | 0.64         | 1.9                | 0.78     | 0.022 J               | 0.083 J            | 0.59 U | 0.33 J,J <sup>1</sup>  | 0.22 U | 0.18 U             | 2.8        | 0.46                 | 0.18 U                |
| A-3                                                                                  | 09/21/2016 | Plaid Maintenance Room    | -                       | 980      | 1.4                 | 7.5                 | 0.58         | 1.8                | 0.73     | 0.0071 U <sup>6</sup> | 0.074 J            | 0.62 U | 0.36 J,J <sup>1</sup>  | 0.23 U | 0.18 U             | 3.2        | 0.54                 | 0.19 U                |
| Median                                                                               |            |                           |                         | 970      | 1.4                 | 7.5                 | 0.58         | 1.8                | 0.73     | 0.0076 U <sup>6</sup> | 0.074 J            | 0.62 U | 0.33 J                 | 0.23 U | 0.18 U             | 2.8        | 0.48                 | 0.19 U                |
| Mean <sup>8</sup>                                                                    |            |                           |                         | 827      | 1.3                 | 5.7                 | 0.46         | 1.3                | 0.56     | 0.012 J               | 0.067 J            | 0.62 U | 0.27 J                 | 0.23 U | 0.19 U             | 2.9        | 0.49                 | 0.19 U                |
| MTCA Method B Indoor Air Cleanup Levels <sup>2</sup>                                 |            |                           |                         | NA       | 0.321               | 2,290               | 457          | 45.7 <sup>7</sup>  | 45.7     | 0.00417               | 0.0962             | 9.62   | 0.0735                 | 9.62   | 0.37               | 2,290      | 0.417                | 2,290                 |
| US EPA Indoor Air Background Levels <sup>3</sup>                                     |            |                           |                         |          |                     |                     |              |                    |          |                       |                    |        |                        |        |                    |            |                      |                       |
| Median                                                                               |            |                           |                         | NA       | 2.4                 | 13                  | 2.2          | 4                  | 2.2      | NA                    | NA                 | 0.8    | NA                     | 0.7    | 0.1                | NA         | 0.5                  | 1.8                   |
| Max                                                                                  |            |                           |                         | NA       | 36                  | 139                 | 35           | 279                | 44       | NA                    | NA                 | 248    | NA                     | 42     | 19                 | NA         | 3                    | 102                   |
| September 2016 Tier 2 VIA - Outdoor Air                                              |            |                           |                         |          |                     |                     |              |                    |          |                       |                    |        |                        |        |                    |            |                      |                       |
| A-4                                                                                  | 09/21/2016 | Domino's Roof             | -                       | 72 U     | 0.28 U              | 13                  | 1.9          | 8.6                | 3.2      | 0.0073 U <sup>6</sup> | 0.058 J            | 0.63 U | 0.065 J,J <sup>1</sup> | 0.31   | 0.29               | 2.6 U      | 0.50                 | 0.19 U                |
| A-5                                                                                  | 09/21/2016 | Plaid Roof                | -                       | 70 U     | 0.27 U              | 0.60 J <sup>1</sup> | 0.15 U       | 0.24 J             | 0.15 U   | 0.0071 U <sup>6</sup> | 0.049 J            | 0.62 U | 0.10 J,J <sup>1</sup>  | 0.23 U | 0.0072 U           | 2.5 U      | 0.50                 | 0.19 U                |
| A-6                                                                                  | 09/21/2016 | Domino's Entry            | -                       | 64       | 0.30 J <sup>1</sup> | 9.2                 | 0.52         | 2.0                | 0.80     | 0.0068 U <sup>6</sup> | 0.094 J            | 0.59 U | 0.84 J <sup>1</sup>    | 0.22 U | 0.067 J            | 5.3        | 0.48                 | 0.18 U                |
| A-7                                                                                  | 09/21/2016 | Plaid Entry               | -                       | 67 U     | 1.2                 | 3.6                 | 0.38         | 1.2                | 0.42     | 0.0068 U <sup>6</sup> | 0.046 J            | 0.59 U | 0.17 J,J <sup>1</sup>  | 0.22 U | 0.0069 U           | 2.4 U      | 0.50                 | 0.18 U                |
| A-8                                                                                  | 09/21/2016 | Western Property Boundary | -                       | 110      | 0.30                | 18                  | 1.0          | 4.5                | 1.3      | 0.0074 U <sup>6</sup> | 0.070 J            | 0.64 U | 0.079 J,J <sup>1</sup> | 0.24 U | 0.048 J            | 2.6 U      | 0.47                 | 0.20 U                |
| A-9                                                                                  | 09/21/2016 | Roadway Intersection      | -                       | 350      | 3.3                 | 13                  | 1.2          | 4.1                | 1.3      | 0.0073 U <sup>6</sup> | 0.054 J            | 0.63 U | 0.27 J,J <sup>1</sup>  | 0.24 U | 0.045 J            | 2.6 U      | 0.49                 | 0.19 U                |
| Median                                                                               |            |                           |                         | 71       | 0.30                | 11                  | 0.76         | 3.1                | 1.1      | 0.0072 U <sup>6</sup> | 0.056 J            | 0.63 U | 0.14 J                 | 0.235  | 0.05               | 2.6        | 0.50                 | 0.19 U                |
| Mean <sup>8</sup>                                                                    |            |                           |                         | 122      | 0.94                | 10                  | 0.86         | 3.4                | 1.2      | 0.0071 U <sup>6</sup> | 0.062 J            | 0.62 U | 0.25 J                 | 0.243  | 0.08               | 3.0        | 0.49                 | 0.19 U                |
| US EPA Outdoor Background Levels <sup>4</sup>                                        |            |                           |                         |          |                     |                     |              |                    |          |                       |                    |        |                        |        |                    |            |                      |                       |
| Median                                                                               |            |                           |                         | NA       | 0.385               | NA                  | NA           | 0.17               | 0.17     | 0.192                 | 0.081              | NA     | NA                     | 0.237  | 0.161              | NA         | 2.7                  | NA                    |
| Max                                                                                  |            |                           |                         | NA       | 4.8                 | NA                  | NA           | 0.17               | 0.17     | 3.85                  | 2.0                | NA     | NA                     | 3.4    | 2.7                | NA         | 2.7                  | NA                    |
| Vancouver Air Toxics Monitoring Results <sup>5</sup><br>Annual Average Concentration |            |                           |                         | NA       | 0.98 <sup>a</sup>   | 3.45                | NA           | NA                 | NA       | NA                    | NA                 | NA     | 0.0019 <sup>a</sup>    | NA     | NA                 | 0.46       | NA                   | NA                    |

TABLE 4  
Tier 2 Vapor Intrusion Assessment Analytical Results - Volatile Organic Compounds (µg/m³)  
Plaid Pantry No. 112  
Vancouver, Washington

|                                                                                                                                                                                                                           |                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes:</b>                                                                                                                                                                                                             |                                                                                                                                                                               |
| <sup>1</sup>                                                                                                                                                                                                              | Washington Department of Ecology (WDOE), Model Toxics Control Act (MTCA) Soil Gas Screening Levels from CLARC Database (August 2015)                                          |
| <sup>2</sup>                                                                                                                                                                                                              | WDOE, MTCA Indoor Air Cleanup Levels from CLARC Database (August 2015)                                                                                                        |
| <sup>3</sup>                                                                                                                                                                                                              | United States Environmental Protection Agency (US EPA) Vapor Intrusion Database Table: Preliminary Evaluation of Attenuation Factors. Table 4a (March 4, 2008)                |
| <sup>4</sup>                                                                                                                                                                                                              | US EPA National Scale Air Toxics Assessment Table 1-A list of background concentration values used in the 1999 National-Scale Assessment by pollutant (revised 2006 and 2009) |
| <sup>5</sup>                                                                                                                                                                                                              | Southwest Clean Air Agency, Vancouver 2005 Ambient Air Toxics Monitoring Review Table 4-1 (January 26, 2007)                                                                  |
| <sup>6</sup>                                                                                                                                                                                                              | Analyte was reported down to the method detection limit.                                                                                                                      |
| <sup>7</sup>                                                                                                                                                                                                              | Screening level for m-xylene shown                                                                                                                                            |
| <sup>8</sup>                                                                                                                                                                                                              | Mean values calculated using 100% of method reporting limit for non-detect values.                                                                                            |
| Volatile Organic Compounds analyzed by EPA Method TO-15                                                                                                                                                                   |                                                                                                                                                                               |
| <sup>a</sup>                                                                                                                                                                                                              | Not enough valid sampling days for a statistically meaningful average.                                                                                                        |
| EDB = 1,2-Dibromoethane                                                                                                                                                                                                   |                                                                                                                                                                               |
| EDC = 1,2-Dichloroethane                                                                                                                                                                                                  |                                                                                                                                                                               |
| MTBE = Methyl tert-butyl ether                                                                                                                                                                                            |                                                                                                                                                                               |
| PCE = Tetrachloroethene                                                                                                                                                                                                   |                                                                                                                                                                               |
| TCE = Trichloroethene                                                                                                                                                                                                     |                                                                                                                                                                               |
| µg/m³ = Micrograms per cubic meter                                                                                                                                                                                        |                                                                                                                                                                               |
| bgs = below ground surface                                                                                                                                                                                                |                                                                                                                                                                               |
| U = Undetected at method reporting limit shown                                                                                                                                                                            |                                                                                                                                                                               |
| J = Laboratory Qualifier. The reported value was detected below the reporting limit, but above the detection limit of the instrument. Value should be considered an estimate.                                             |                                                                                                                                                                               |
| J¹ = Data Validation Qualifier. The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. See data validation report for further explanation.    |                                                                                                                                                                               |
| NA = Not Applicable/Not Available                                                                                                                                                                                         |                                                                                                                                                                               |
| <b>Bold</b> values indicate concentrations exceed the MTCA Method B cleanup level (shallow soil gas or indoor air), or both the EPA median background concentration and Vancouver Toxic Monitoring Results (outdoor air). |                                                                                                                                                                               |
| <i>Italics</i> indicate analytical reporting limits exceed MTCA Method B cleanup level.                                                                                                                                   |                                                                                                                                                                               |

## Attachment A

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7/8/2016

Mr. Chris Rhea  
EES Environmental Consulting, Inc.  
240 N Broadway  
Suite 203  
Portland OR 97227

Project Name: PLAID PANTRY #112  
Project #: 1179-01  
Workorder #: 1606511

Dear Mr. Chris Rhea

The following report includes the data for the above referenced project for sample(s) received on 6/24/2016 at Air Toxics Ltd.

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

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

Regards,



Kelly Buettner  
Project Manager

# WORK ORDER #: 1606511

## Work Order Summary

|                        |                                                                                                           |                  |                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------|
| <b>CLIENT:</b>         | Mr. Chris Rhea<br>EES Environmental Consulting, Inc.<br>240 N Broadway<br>Suite 203<br>Portland, OR 97227 | <b>BILL TO:</b>  | Mr. Chris Rhea<br>EES Environmental Consulting, Inc.<br>240 N Broadway<br>Suite 203<br>Portland, OR 97227 |
| <b>PHONE:</b>          | 530-847-2740                                                                                              | <b>P.O. #</b>    |                                                                                                           |
| <b>FAX:</b>            |                                                                                                           | <b>PROJECT #</b> | 1179-01 PLAID PANTRY #112                                                                                 |
| <b>DATE RECEIVED:</b>  | 06/24/2016                                                                                                | <b>CONTACT:</b>  | Kelly Buettner                                                                                            |
| <b>DATE COMPLETED:</b> | 07/08/2016                                                                                                |                  |                                                                                                           |

| <u>FRACTION #</u> | <u>NAME</u> | <u>TEST</u>    | <u>RECEIPT<br/>VAC./PRES.</u> | <u>FINAL<br/>PRESSURE</u> |
|-------------------|-------------|----------------|-------------------------------|---------------------------|
| 01A               | S-33        | Modified TO-15 | 8.4 "Hg                       | 4.7 psi                   |
| 01B               | S-33        | Modified TO-15 | 8.4 "Hg                       | 4.7 psi                   |
| 02A               | S-36        | Modified TO-15 | 9.4 "Hg                       | 4.5 psi                   |
| 02B               | S-36        | Modified TO-15 | 9.4 "Hg                       | 4.5 psi                   |
| 03A               | S-34        | Modified TO-15 | 8.6 "Hg                       | 4.9 psi                   |
| 03B               | S-34        | Modified TO-15 | 8.6 "Hg                       | 4.9 psi                   |
| 04A               | S-35        | Modified TO-15 | 9.2 "Hg                       | 5 psi                     |
| 04B               | S-35        | Modified TO-15 | 9.2 "Hg                       | 5 psi                     |
| 05A               | S-31        | Modified TO-15 | 9 "Hg                         | 5.3 psi                   |
| 05B               | S-31        | Modified TO-15 | 9 "Hg                         | 5.3 psi                   |
| 06A               | Lab Blank   | Modified TO-15 | NA                            | NA                        |
| 06B               | Lab Blank   | Modified TO-15 | NA                            | NA                        |
| 07A               | CCV         | Modified TO-15 | NA                            | NA                        |
| 07B               | CCV         | Modified TO-15 | NA                            | NA                        |
| 08A               | LCS         | Modified TO-15 | NA                            | NA                        |
| 08AA              | LCSD        | Modified TO-15 | NA                            | NA                        |
| 08B               | LCS         | Modified TO-15 | NA                            | NA                        |
| 08BB              | LCSD        | Modified TO-15 | NA                            | NA                        |

CERTIFIED BY:



Technical Director

DATE: 07/08/16

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,  
TX NELAP - T104704434-15-9, UT NELAP CA0093332015-6, VA NELAP - 8113, WA NELAP - C935  
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)  
Accreditation number: CA300005, Effective date: 10/18/2015, Expiration date: 10/17/2016.

Eurofins Air Toxics Inc., certifies that the test results contained in this report meet all requirements of the NELAC standards

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

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

**LABORATORY NARRATIVE**  
**Modified TO-15 Full Scan/SIM**  
**EES Environmental Consulting, Inc.**  
**Workorder# 1606511**

Five 6 Liter Summa Canister (SIM Certified) samples were received on June 24, 2016. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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

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

| <b>Requirement</b>            | <b>TO-15</b>                                                 | <b>ATL Modifications</b>                                                                                                                                                                                                                                                       |
|-------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ICAL %RSD acceptance criteria | $\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD | For Full Scan:<br>30% RSD with 4 compounds allowed out to $< 40\%$ RSD<br><br>For SIM:<br>Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD                                                                              |
| Daily Calibration             | $\pm 30\%$ Difference                                        | For Full Scan:<br>$\leq 30\%$ Difference with four allowed out up to $\leq 40\%$ .; flag and narrate outliers<br><br>For SIM:<br>Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$ .; flag and narrate outliers |
| Blank and standards           | Zero air                                                     | Nitrogen                                                                                                                                                                                                                                                                       |
| Method Detection Limit        | Follow 40CFR Pt.136 App. B                                   | The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases                                                                                    |

**Receiving Notes**

There were no receiving discrepancies.

**Analytical Notes**

Dilutions were performed on samples S-36, S-34 and S-35 due to the presence of high level target species.

A single point calibration for TPH referenced to Gasoline was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

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

The reported result for 4-Ethyltoluene in samples S-33 and S-36 may be biased high due to co-elution with a non target compound with similar characteristic ions. Both the primary and secondary ion for 4-Ethyltoluene exhibited potential interference.

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

### **Definition of Data Qualifying Flags**

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

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

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

CN - See case narrative explanation

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

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

## Summary of Detected Compounds

### MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

**Client Sample ID: S-33**

**Lab ID#: 1606511-01A**

| Compound                         | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| 1,3-Butadiene                    | 0.18                 | 9.2              | 0.40                  | 20                |
| Freon 11                         | 0.18                 | 38               | 1.0                   | 210               |
| Ethanol                          | 0.92                 | 15               | 1.7                   | 29                |
| Acetone                          | 0.92                 | 65               | 2.2                   | 150               |
| 2-Propanol                       | 0.92                 | 1.3              | 2.2                   | 3.2               |
| Carbon Disulfide                 | 0.92                 | 1.4              | 2.8                   | 4.2               |
| Hexane                           | 0.18                 | 5.1              | 0.64                  | 18                |
| 2-Butanone (Methyl Ethyl Ketone) | 0.92                 | 12               | 2.7                   | 35                |
| Cyclohexane                      | 0.18                 | 0.52             | 0.63                  | 1.8               |
| Heptane                          | 0.18                 | 2.7              | 0.75                  | 11                |
| 4-Methyl-2-pentanone             | 0.18                 | 0.66             | 0.75                  | 2.7               |
| 2-Hexanone                       | 0.92                 | 1.1              | 3.7                   | 4.6               |
| Styrene                          | 0.18                 | 1.1              | 0.78                  | 4.6               |
| Propylbenzene                    | 0.18                 | 0.18             | 0.90                  | 0.90              |
| 4-Ethyltoluene                   | 0.18                 | 0.58             | 0.90                  | 2.8               |
| 1,3,5-Trimethylbenzene           | 0.18                 | 0.18 J           | 0.90                  | 0.89 J            |
| 1,2,4-Trimethylbenzene           | 0.18                 | 0.50             | 0.90                  | 2.5               |
| TPH ref. to Gasoline (MW=100)    | 18                   | 330              | 75                    | 1300              |

**Client Sample ID: S-33**

**Lab ID#: 1606511-01B**

| Compound          | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12          | 0.037                | 0.51             | 0.18                  | 2.5               |
| Chloromethane     | 0.092                | 0.40             | 0.19                  | 0.84              |
| Vinyl Chloride    | 0.018                | 0.16             | 0.047                 | 0.41              |
| Benzene           | 0.092                | 4.4              | 0.29                  | 14                |
| Toluene           | 0.037                | 4.5              | 0.14                  | 17                |
| Tetrachloroethene | 0.037                | 0.68             | 0.25                  | 4.6               |
| Ethyl Benzene     | 0.037                | 0.72             | 0.16                  | 3.1               |
| m,p-Xylene        | 0.073                | 1.5              | 0.32                  | 6.7               |
| o-Xylene          | 0.037                | 0.73             | 0.16                  | 3.2               |

## Summary of Detected Compounds

### MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

**Client Sample ID: S-36**

**Lab ID#: 1606511-02A**

| Compound                         | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| 1,3-Butadiene                    | 0.38                 | 21               | 0.84                  | 46                |
| Freon 11                         | 0.38                 | 12               | 2.1                   | 65                |
| Ethanol                          | 1.9                  | 62               | 3.6                   | 120               |
| Acetone                          | 1.9                  | 72               | 4.5                   | 170               |
| 2-Propanol                       | 1.9                  | 1.9              | 4.7                   | 4.7               |
| Hexane                           | 0.38                 | 4.8              | 1.3                   | 17                |
| 2-Butanone (Methyl Ethyl Ketone) | 1.9                  | 17               | 5.6                   | 50                |
| Cyclohexane                      | 0.38                 | 0.50             | 1.3                   | 1.7               |
| Heptane                          | 0.38                 | 3.5              | 1.6                   | 14                |
| 4-Methyl-2-pentanone             | 0.38                 | 4.1              | 1.6                   | 17                |
| Styrene                          | 0.38                 | 4.6              | 1.6                   | 20                |
| Cumene                           | 0.38                 | 0.49             | 1.9                   | 2.4               |
| Propylbenzene                    | 0.38                 | 1.1              | 1.9                   | 5.4               |
| 4-Ethyltoluene                   | 0.38                 | 5.2              | 1.9                   | 26                |
| 1,3,5-Trimethylbenzene           | 0.38                 | 1.6              | 1.9                   | 7.8               |
| 1,2,4-Trimethylbenzene           | 0.38                 | 5.2              | 1.9                   | 26                |
| TPH ref. to Gasoline (MW=100)    | 38                   | 660              | 160                   | 2700              |

**Client Sample ID: S-36**

**Lab ID#: 1606511-02B**

| Compound          | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12          | 0.076                | 0.53             | 0.38                  | 2.6               |
| Chloromethane     | 0.19                 | 0.76             | 0.39                  | 1.6               |
| Vinyl Chloride    | 0.038                | 0.27             | 0.097                 | 0.69              |
| Chloroethane      | 0.19                 | 0.19             | 0.50                  | 0.50              |
| Chloroform        | 0.076                | 1.5              | 0.37                  | 7.4               |
| Benzene           | 0.19                 | 3.9              | 0.61                  | 12                |
| Trichloroethene   | 0.076                | 0.16             | 0.41                  | 0.87              |
| Toluene           | 0.076                | 4.5              | 0.29                  | 17                |
| Tetrachloroethene | 0.076                | 4.0              | 0.52                  | 27                |
| Ethyl Benzene     | 0.076                | 18               | 0.33                  | 78                |
| m,p-Xylene        | 0.15                 | 76               | 0.66                  | 330               |

## Summary of Detected Compounds

### MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

**Client Sample ID: S-36**

**Lab ID#: 1606511-02B**

|          |       |    |      |     |
|----------|-------|----|------|-----|
| o-Xylene | 0.076 | 28 | 0.33 | 120 |
|----------|-------|----|------|-----|

**Client Sample ID: S-34**

**Lab ID#: 1606511-03A**

| Compound                         | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| 1,3-Butadiene                    | 0.47                 | 2.6              | 1.0                   | 5.7               |
| Freon 11                         | 0.47                 | 130              | 2.6                   | 710               |
| Ethanol                          | 2.3                  | 6.4              | 4.4                   | 12                |
| Acetone                          | 2.3                  | 66               | 5.5                   | 160               |
| Hexane                           | 0.47                 | 1.4              | 1.6                   | 5.1               |
| 2-Butanone (Methyl Ethyl Ketone) | 2.3                  | 18               | 6.9                   | 53                |
| Heptane                          | 0.47                 | 1.1              | 1.9                   | 4.6               |
| 4-Methyl-2-pentanone             | 0.47                 | 1.2              | 1.9                   | 5.0               |
| Styrene                          | 0.47                 | 0.78             | 2.0                   | 3.3               |
| TPH ref. to Gasoline (MW=100)    | 47                   | 280              | 190                   | 1100              |

**Client Sample ID: S-34**

**Lab ID#: 1606511-03B**

| Compound          | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12          | 0.093                | 0.55             | 0.46                  | 2.7               |
| Benzene           | 0.23                 | 1.8              | 0.74                  | 5.6               |
| Toluene           | 0.093                | 2.4              | 0.35                  | 9.1               |
| Tetrachloroethene | 0.093                | 1.7              | 0.63                  | 11                |
| Ethyl Benzene     | 0.093                | 1.7              | 0.40                  | 7.4               |
| m,p-Xylene        | 0.19                 | 7.8              | 0.81                  | 34                |
| o-Xylene          | 0.093                | 3.9              | 0.40                  | 17                |

**Client Sample ID: S-35**

**Lab ID#: 1606511-04A**

| Compound      | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------|----------------------|------------------|-----------------------|-------------------|
| 1,3-Butadiene | 1.9                  | 5.8              | 4.3                   | 13                |

## Summary of Detected Compounds

### MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

**Client Sample ID: S-35**

**Lab ID#: 1606511-04A**

|                                  |     |     |    |      |
|----------------------------------|-----|-----|----|------|
| Freon 11                         | 1.9 | 20  | 11 | 110  |
| Acetone                          | 9.6 | 45  | 23 | 110  |
| 2-Butanone (Methyl Ethyl Ketone) | 9.6 | 10  | 28 | 31   |
| Tetrachloroethene                | 1.9 | 510 | 13 | 3500 |

**Client Sample ID: S-35**

**Lab ID#: 1606511-04B**

| Compound      | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12      | 0.39                 | 0.72             | 1.9                   | 3.5               |
| Benzene       | 0.96                 | 1.4              | 3.1                   | 4.6               |
| Toluene       | 0.39                 | 1.5              | 1.4                   | 5.8               |
| Ethyl Benzene | 0.39                 | 4.9              | 1.7                   | 21                |
| m,p-Xylene    | 0.77                 | 21               | 3.4                   | 91                |
| o-Xylene      | 0.39                 | 7.9              | 1.7                   | 34                |

**Client Sample ID: S-31**

**Lab ID#: 1606511-05A**

| Compound                         | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 11                         | 0.19                 | 2.7              | 1.1                   | 15                |
| Acetone                          | 0.97                 | 6.8              | 2.3                   | 16                |
| 2-Propanol                       | 0.97                 | 6.5              | 2.4                   | 16                |
| Carbon Disulfide                 | 0.97                 | 5.9              | 3.0                   | 18                |
| Methylene Chloride               | 0.39                 | 0.45             | 1.3                   | 1.6               |
| 2-Butanone (Methyl Ethyl Ketone) | 0.97                 | 1.4              | 2.9                   | 4.0               |
| 1,3-Dichlorobenzene              | 0.19                 | 1.2              | 1.2                   | 7.0               |

**Client Sample ID: S-31**

**Lab ID#: 1606511-05B**

| Compound      | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12      | 0.039                | 0.90             | 0.19                  | 4.5               |
| Chloromethane | 0.097                | 0.42             | 0.20                  | 0.88              |

## Summary of Detected Compounds

### MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

**Client Sample ID: S-31**

**Lab ID#: 1606511-05B**

|                      |       |       |       |       |
|----------------------|-------|-------|-------|-------|
| Vinyl Chloride       | 0.019 | 0.033 | 0.050 | 0.086 |
| Chloroethane         | 0.097 | 0.10  | 0.26  | 0.28  |
| Chloroform           | 0.039 | 0.48  | 0.19  | 2.4   |
| Carbon Tetrachloride | 0.039 | 0.12  | 0.24  | 0.76  |
| Toluene              | 0.039 | 0.087 | 0.15  | 0.33  |
| Tetrachloroethene    | 0.039 | 0.78  | 0.26  | 5.3   |
| m,p-Xylene           | 0.078 | 0.11  | 0.34  | 0.48  |
| o-Xylene             | 0.039 | 0.061 | 0.17  | 0.27  |

Client Sample ID: S-33

Lab ID#: 1606511-01A

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

|              |          |                     |                    |
|--------------|----------|---------------------|--------------------|
| File Name:   | 20062708 | Date of Collection: | 6/22/16 9:13:00 AM |
| Dil. Factor: | 1.83     | Date of Analysis:   | 6/27/16 02:29 PM   |

| Compound                         | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| 1,3-Butadiene                    | 0.18                 | 9.2              | 0.40                  | 20                |
| Bromomethane                     | 0.92                 | Not Detected     | 3.6                   | Not Detected      |
| Freon 11                         | 0.18                 | 38               | 1.0                   | 210               |
| Ethanol                          | 0.92                 | 15               | 1.7                   | 29                |
| Freon 113                        | 0.18                 | Not Detected     | 1.4                   | Not Detected      |
| Acetone                          | 0.92                 | 65               | 2.2                   | 150               |
| 2-Propanol                       | 0.92                 | 1.3              | 2.2                   | 3.2               |
| Carbon Disulfide                 | 0.92                 | 1.4              | 2.8                   | 4.2               |
| 3-Chloropropene                  | 0.92                 | Not Detected     | 2.9                   | Not Detected      |
| Methylene Chloride               | 0.37                 | Not Detected     | 1.3                   | Not Detected      |
| Hexane                           | 0.18                 | 5.1              | 0.64                  | 18                |
| 2-Butanone (Methyl Ethyl Ketone) | 0.92                 | 12               | 2.7                   | 35                |
| Tetrahydrofuran                  | 0.92                 | Not Detected     | 2.7                   | Not Detected      |
| Cyclohexane                      | 0.18                 | 0.52             | 0.63                  | 1.8               |
| 2,2,4-Trimethylpentane           | 0.92                 | Not Detected     | 4.3                   | Not Detected      |
| Heptane                          | 0.18                 | 2.7              | 0.75                  | 11                |
| 1,2-Dichloropropane              | 0.18                 | Not Detected     | 0.84                  | Not Detected      |
| 1,4-Dioxane                      | 0.18                 | Not Detected     | 0.66                  | Not Detected      |
| Bromodichloromethane             | 0.18                 | Not Detected     | 1.2                   | Not Detected      |
| cis-1,3-Dichloropropene          | 0.18                 | Not Detected     | 0.83                  | Not Detected      |
| 4-Methyl-2-pentanone             | 0.18                 | 0.66             | 0.75                  | 2.7               |
| trans-1,3-Dichloropropene        | 0.18                 | Not Detected     | 0.83                  | Not Detected      |
| 2-Hexanone                       | 0.92                 | 1.1              | 3.7                   | 4.6               |
| Dibromochloromethane             | 0.18                 | Not Detected     | 1.6                   | Not Detected      |
| Chlorobenzene                    | 0.18                 | Not Detected     | 0.84                  | Not Detected      |
| Styrene                          | 0.18                 | 1.1              | 0.78                  | 4.6               |
| Bromoform                        | 0.18                 | Not Detected     | 1.9                   | Not Detected      |
| Cumene                           | 0.18                 | Not Detected     | 0.90                  | Not Detected      |
| Propylbenzene                    | 0.18                 | 0.18             | 0.90                  | 0.90              |
| 4-Ethyltoluene                   | 0.18                 | 0.58             | 0.90                  | 2.8               |
| 1,3,5-Trimethylbenzene           | 0.18                 | 0.18 J           | 0.90                  | 0.89 J            |
| 1,2,4-Trimethylbenzene           | 0.18                 | 0.50             | 0.90                  | 2.5               |
| 1,3-Dichlorobenzene              | 0.18                 | Not Detected     | 1.1                   | Not Detected      |
| alpha-Chlorotoluene              | 0.18                 | Not Detected     | 0.95                  | Not Detected      |
| 1,2-Dichlorobenzene              | 0.18                 | Not Detected     | 1.1                   | Not Detected      |
| 1,2,4-Trichlorobenzene           | 0.92                 | Not Detected     | 6.8                   | Not Detected      |
| Hexachlorobutadiene              | 0.92                 | Not Detected     | 9.8                   | Not Detected      |
| TPH ref. to Gasoline (MW=100)    | 18                   | 330              | 75                    | 1300              |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (SIM Certified)**

Client Sample ID: S-33

Lab ID#: 1606511-01A

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

|              |          |                                        |
|--------------|----------|----------------------------------------|
| File Name:   | 20062708 | Date of Collection: 6/22/16 9:13:00 AM |
| Dil. Factor: | 1.83     | Date of Analysis: 6/27/16 02:29 PM     |

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

Client Sample ID: S-33

Lab ID#: 1606511-01B

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

|                     |                    |                                               |
|---------------------|--------------------|-----------------------------------------------|
| <b>File Name:</b>   | <b>20062708sim</b> | <b>Date of Collection:</b> 6/22/16 9:13:00 AM |
| <b>Dil. Factor:</b> | <b>1.83</b>        | <b>Date of Analysis:</b> 6/27/16 02:29 PM     |

| Compound                  | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12                  | 0.037                | 0.51             | 0.18                  | 2.5               |
| Freon 114                 | 0.037                | Not Detected     | 0.26                  | Not Detected      |
| Chloromethane             | 0.092                | 0.40             | 0.19                  | 0.84              |
| Vinyl Chloride            | 0.018                | 0.16             | 0.047                 | 0.41              |
| Chloroethane              | 0.092                | Not Detected     | 0.24                  | Not Detected      |
| 1,1-Dichloroethene        | 0.018                | Not Detected     | 0.072                 | Not Detected      |
| trans-1,2-Dichloroethene  | 0.18                 | Not Detected     | 0.72                  | Not Detected      |
| Methyl tert-butyl ether   | 0.18                 | Not Detected     | 0.66                  | Not Detected      |
| 1,1-Dichloroethane        | 0.037                | Not Detected     | 0.15                  | Not Detected      |
| cis-1,2-Dichloroethene    | 0.037                | Not Detected     | 0.14                  | Not Detected      |
| Chloroform                | 0.037                | Not Detected     | 0.18                  | Not Detected      |
| 1,1,1-Trichloroethane     | 0.037                | Not Detected     | 0.20                  | Not Detected      |
| Carbon Tetrachloride      | 0.037                | Not Detected     | 0.23                  | Not Detected      |
| Benzene                   | 0.092                | 4.4              | 0.29                  | 14                |
| 1,2-Dichloroethane        | 0.037                | Not Detected     | 0.15                  | Not Detected      |
| Trichloroethene           | 0.037                | Not Detected     | 0.20                  | Not Detected      |
| Toluene                   | 0.037                | 4.5              | 0.14                  | 17                |
| 1,1,2-Trichloroethane     | 0.037                | Not Detected     | 0.20                  | Not Detected      |
| Tetrachloroethene         | 0.037                | 0.68             | 0.25                  | 4.6               |
| 1,2-Dibromoethane (EDB)   | 0.037                | Not Detected     | 0.28                  | Not Detected      |
| Ethyl Benzene             | 0.037                | 0.72             | 0.16                  | 3.1               |
| m,p-Xylene                | 0.073                | 1.5              | 0.32                  | 6.7               |
| o-Xylene                  | 0.037                | 0.73             | 0.16                  | 3.2               |
| 1,1,2,2-Tetrachloroethane | 0.037                | Not Detected     | 0.25                  | Not Detected      |
| 1,4-Dichlorobenzene       | 0.037                | Not Detected     | 0.22                  | Not Detected      |
| Naphthalene               | 0.092                | Not Detected     | 0.48                  | Not Detected      |

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 106       | 70-130           |
| Toluene-d8            | 102       | 70-130           |
| 4-Bromofluorobenzene  | 105       | 70-130           |



Air Toxics

Client Sample ID: S-36

Lab ID#: 1606511-02A

## MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

|              |          |                     |                     |
|--------------|----------|---------------------|---------------------|
| File Name:   | 20062709 | Date of Collection: | 6/22/16 10:41:00 AM |
| Dil. Factor: | 3.80     | Date of Analysis:   | 6/27/16 03:08 PM    |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| 1,3-Butadiene                    | 0.38              | 21            | 0.84               | 46             |
| Bromomethane                     | 1.9               | Not Detected  | 7.4                | Not Detected   |
| Freon 11                         | 0.38              | 12            | 2.1                | 65             |
| Ethanol                          | 1.9               | 62            | 3.6                | 120            |
| Freon 113                        | 0.38              | Not Detected  | 2.9                | Not Detected   |
| Acetone                          | 1.9               | 72            | 4.5                | 170            |
| 2-Propanol                       | 1.9               | 1.9           | 4.7                | 4.7            |
| Carbon Disulfide                 | 1.9               | Not Detected  | 5.9                | Not Detected   |
| 3-Chloropropene                  | 1.9               | Not Detected  | 5.9                | Not Detected   |
| Methylene Chloride               | 0.76              | Not Detected  | 2.6                | Not Detected   |
| Hexane                           | 0.38              | 4.8           | 1.3                | 17             |
| 2-Butanone (Methyl Ethyl Ketone) | 1.9               | 17            | 5.6                | 50             |
| Tetrahydrofuran                  | 1.9               | Not Detected  | 5.6                | Not Detected   |
| Cyclohexane                      | 0.38              | 0.50          | 1.3                | 1.7            |
| 2,2,4-Trimethylpentane           | 1.9               | Not Detected  | 8.9                | Not Detected   |
| Heptane                          | 0.38              | 3.5           | 1.6                | 14             |
| 1,2-Dichloropropane              | 0.38              | Not Detected  | 1.8                | Not Detected   |
| 1,4-Dioxane                      | 0.38              | Not Detected  | 1.4                | Not Detected   |
| Bromodichloromethane             | 0.38              | Not Detected  | 2.5                | Not Detected   |
| cis-1,3-Dichloropropene          | 0.38              | Not Detected  | 1.7                | Not Detected   |
| 4-Methyl-2-pentanone             | 0.38              | 4.1           | 1.6                | 17             |
| trans-1,3-Dichloropropene        | 0.38              | Not Detected  | 1.7                | Not Detected   |
| 2-Hexanone                       | 1.9               | Not Detected  | 7.8                | Not Detected   |
| Dibromochloromethane             | 0.38              | Not Detected  | 3.2                | Not Detected   |
| Chlorobenzene                    | 0.38              | Not Detected  | 1.7                | Not Detected   |
| Styrene                          | 0.38              | 4.6           | 1.6                | 20             |
| Bromoform                        | 0.38              | Not Detected  | 3.9                | Not Detected   |
| Cumene                           | 0.38              | 0.49          | 1.9                | 2.4            |
| Propylbenzene                    | 0.38              | 1.1           | 1.9                | 5.4            |
| 4-Ethyltoluene                   | 0.38              | 5.2           | 1.9                | 26             |
| 1,3,5-Trimethylbenzene           | 0.38              | 1.6           | 1.9                | 7.8            |
| 1,2,4-Trimethylbenzene           | 0.38              | 5.2           | 1.9                | 26             |
| 1,3-Dichlorobenzene              | 0.38              | Not Detected  | 2.3                | Not Detected   |
| alpha-Chlorotoluene              | 0.38              | Not Detected  | 2.0                | Not Detected   |
| 1,2-Dichlorobenzene              | 0.38              | Not Detected  | 2.3                | Not Detected   |
| 1,2,4-Trichlorobenzene           | 1.9               | Not Detected  | 14                 | Not Detected   |
| Hexachlorobutadiene              | 1.9               | Not Detected  | 20                 | Not Detected   |
| TPH ref. to Gasoline (MW=100)    | 38                | 660           | 160                | 2700           |

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
|------------|-----------|---------------|

Client Sample ID: S-36

Lab ID#: 1606511-02A

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

|              |          |                                         |
|--------------|----------|-----------------------------------------|
| File Name:   | 20062709 | Date of Collection: 6/22/16 10:41:00 AM |
| Dil. Factor: | 3.80     | Date of Analysis: 6/27/16 03:08 PM      |

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 97        | 70-130        |
| Toluene-d8            | 98        | 70-130        |
| 4-Bromofluorobenzene  | 104       | 70-130        |



Air Toxics

Client Sample ID: S-36

Lab ID#: 1606511-02B

## MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

|              |             |                     |                     |
|--------------|-------------|---------------------|---------------------|
| File Name:   | 20062709sim | Date of Collection: | 6/22/16 10:41:00 AM |
| Dil. Factor: | 3.80        | Date of Analysis:   | 6/27/16 03:08 PM    |

| Compound                  | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12                  | 0.076                | 0.53             | 0.38                  | 2.6               |
| Freon 114                 | 0.076                | Not Detected     | 0.53                  | Not Detected      |
| Chloromethane             | 0.19                 | 0.76             | 0.39                  | 1.6               |
| Vinyl Chloride            | 0.038                | 0.27             | 0.097                 | 0.69              |
| Chloroethane              | 0.19                 | 0.19             | 0.50                  | 0.50              |
| 1,1-Dichloroethene        | 0.038                | Not Detected     | 0.15                  | Not Detected      |
| trans-1,2-Dichloroethene  | 0.38                 | Not Detected     | 1.5                   | Not Detected      |
| Methyl tert-butyl ether   | 0.38                 | Not Detected     | 1.4                   | Not Detected      |
| 1,1-Dichloroethane        | 0.076                | Not Detected     | 0.31                  | Not Detected      |
| cis-1,2-Dichloroethene    | 0.076                | Not Detected     | 0.30                  | Not Detected      |
| Chloroform                | 0.076                | 1.5              | 0.37                  | 7.4               |
| 1,1,1-Trichloroethane     | 0.076                | Not Detected     | 0.41                  | Not Detected      |
| Carbon Tetrachloride      | 0.076                | Not Detected     | 0.48                  | Not Detected      |
| Benzene                   | 0.19                 | 3.9              | 0.61                  | 12                |
| 1,2-Dichloroethane        | 0.076                | Not Detected     | 0.31                  | Not Detected      |
| Trichloroethene           | 0.076                | 0.16             | 0.41                  | 0.87              |
| Toluene                   | 0.076                | 4.5              | 0.29                  | 17                |
| 1,1,2-Trichloroethane     | 0.076                | Not Detected     | 0.41                  | Not Detected      |
| Tetrachloroethene         | 0.076                | 4.0              | 0.52                  | 27                |
| 1,2-Dibromoethane (EDB)   | 0.076                | Not Detected     | 0.58                  | Not Detected      |
| Ethyl Benzene             | 0.076                | 18               | 0.33                  | 78                |
| m,p-Xylene                | 0.15                 | 76               | 0.66                  | 330               |
| o-Xylene                  | 0.076                | 28               | 0.33                  | 120               |
| 1,1,2,2-Tetrachloroethane | 0.076                | Not Detected     | 0.52                  | Not Detected      |
| 1,4-Dichlorobenzene       | 0.076                | Not Detected     | 0.46                  | Not Detected      |
| Naphthalene               | 0.19                 | Not Detected     | 1.0                   | Not Detected      |

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 100       | 70-130           |
| Toluene-d8            | 100       | 70-130           |
| 4-Bromofluorobenzene  | 104       | 70-130           |



Air Toxics

Client Sample ID: S-34

Lab ID#: 1606511-03A

## MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

|              |          |                     |                     |
|--------------|----------|---------------------|---------------------|
| File Name:   | 20062712 | Date of Collection: | 6/22/16 11:06:00 AM |
| Dil. Factor: | 4.67     | Date of Analysis:   | 6/27/16 06:30 PM    |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| 1,3-Butadiene                    | 0.47              | 2.6           | 1.0                | 5.7            |
| Bromomethane                     | 2.3               | Not Detected  | 9.1                | Not Detected   |
| Freon 11                         | 0.47              | 130           | 2.6                | 710            |
| Ethanol                          | 2.3               | 6.4           | 4.4                | 12             |
| Freon 113                        | 0.47              | Not Detected  | 3.6                | Not Detected   |
| Acetone                          | 2.3               | 66            | 5.5                | 160            |
| 2-Propanol                       | 2.3               | Not Detected  | 5.7                | Not Detected   |
| Carbon Disulfide                 | 2.3               | Not Detected  | 7.3                | Not Detected   |
| 3-Chloropropene                  | 2.3               | Not Detected  | 7.3                | Not Detected   |
| Methylene Chloride               | 0.93              | Not Detected  | 3.2                | Not Detected   |
| Hexane                           | 0.47              | 1.4           | 1.6                | 5.1            |
| 2-Butanone (Methyl Ethyl Ketone) | 2.3               | 18            | 6.9                | 53             |
| Tetrahydrofuran                  | 2.3               | Not Detected  | 6.9                | Not Detected   |
| Cyclohexane                      | 0.47              | Not Detected  | 1.6                | Not Detected   |
| 2,2,4-Trimethylpentane           | 2.3               | Not Detected  | 11                 | Not Detected   |
| Heptane                          | 0.47              | 1.1           | 1.9                | 4.6            |
| 1,2-Dichloropropane              | 0.47              | Not Detected  | 2.2                | Not Detected   |
| 1,4-Dioxane                      | 0.47              | Not Detected  | 1.7                | Not Detected   |
| Bromodichloromethane             | 0.47              | Not Detected  | 3.1                | Not Detected   |
| cis-1,3-Dichloropropene          | 0.47              | Not Detected  | 2.1                | Not Detected   |
| 4-Methyl-2-pentanone             | 0.47              | 1.2           | 1.9                | 5.0            |
| trans-1,3-Dichloropropene        | 0.47              | Not Detected  | 2.1                | Not Detected   |
| 2-Hexanone                       | 2.3               | Not Detected  | 9.6                | Not Detected   |
| Dibromochloromethane             | 0.47              | Not Detected  | 4.0                | Not Detected   |
| Chlorobenzene                    | 0.47              | Not Detected  | 2.1                | Not Detected   |
| Styrene                          | 0.47              | 0.78          | 2.0                | 3.3            |
| Bromoform                        | 0.47              | Not Detected  | 4.8                | Not Detected   |
| Cumene                           | 0.47              | Not Detected  | 2.3                | Not Detected   |
| Propylbenzene                    | 0.47              | Not Detected  | 2.3                | Not Detected   |
| 4-Ethyltoluene                   | 0.47              | Not Detected  | 2.3                | Not Detected   |
| 1,3,5-Trimethylbenzene           | 0.47              | Not Detected  | 2.3                | Not Detected   |
| 1,2,4-Trimethylbenzene           | 0.47              | Not Detected  | 2.3                | Not Detected   |
| 1,3-Dichlorobenzene              | 0.47              | Not Detected  | 2.8                | Not Detected   |
| alpha-Chlorotoluene              | 0.47              | Not Detected  | 2.4                | Not Detected   |
| 1,2-Dichlorobenzene              | 0.47              | Not Detected  | 2.8                | Not Detected   |
| 1,2,4-Trichlorobenzene           | 2.3               | Not Detected  | 17                 | Not Detected   |
| Hexachlorobutadiene              | 2.3               | Not Detected  | 25                 | Not Detected   |
| TPH ref. to Gasoline (MW=100)    | 47                | 280           | 190                | 1100           |

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
|------------|-----------|---------------|

Client Sample ID: S-34

Lab ID#: 1606511-03A

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

|              |          |                                         |
|--------------|----------|-----------------------------------------|
| File Name:   | 20062712 | Date of Collection: 6/22/16 11:06:00 AM |
| Dil. Factor: | 4.67     | Date of Analysis: 6/27/16 06:30 PM      |

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 96        | 70-130        |
| Toluene-d8            | 99        | 70-130        |
| 4-Bromofluorobenzene  | 99        | 70-130        |



Air Toxics

Client Sample ID: S-34

Lab ID#: 1606511-03B

## MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

|              |             |                     |                     |
|--------------|-------------|---------------------|---------------------|
| File Name:   | 20062712sim | Date of Collection: | 6/22/16 11:06:00 AM |
| Dil. Factor: | 4.67        | Date of Analysis:   | 6/27/16 06:30 PM    |

| Compound                  | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12                  | 0.093                | 0.55             | 0.46                  | 2.7               |
| Freon 114                 | 0.093                | Not Detected     | 0.65                  | Not Detected      |
| Chloromethane             | 0.23                 | Not Detected     | 0.48                  | Not Detected      |
| Vinyl Chloride            | 0.047                | Not Detected     | 0.12                  | Not Detected      |
| Chloroethane              | 0.23                 | Not Detected     | 0.62                  | Not Detected      |
| 1,1-Dichloroethene        | 0.047                | Not Detected     | 0.18                  | Not Detected      |
| trans-1,2-Dichloroethene  | 0.47                 | Not Detected     | 1.8                   | Not Detected      |
| Methyl tert-butyl ether   | 0.47                 | Not Detected     | 1.7                   | Not Detected      |
| 1,1-Dichloroethane        | 0.093                | Not Detected     | 0.38                  | Not Detected      |
| cis-1,2-Dichloroethene    | 0.093                | Not Detected     | 0.37                  | Not Detected      |
| Chloroform                | 0.093                | Not Detected     | 0.46                  | Not Detected      |
| 1,1,1-Trichloroethane     | 0.093                | Not Detected     | 0.51                  | Not Detected      |
| Carbon Tetrachloride      | 0.093                | Not Detected     | 0.59                  | Not Detected      |
| Benzene                   | 0.23                 | 1.8              | 0.74                  | 5.6               |
| 1,2-Dichloroethane        | 0.093                | Not Detected     | 0.38                  | Not Detected      |
| Trichloroethene           | 0.093                | Not Detected     | 0.50                  | Not Detected      |
| Toluene                   | 0.093                | 2.4              | 0.35                  | 9.1               |
| 1,1,2-Trichloroethane     | 0.093                | Not Detected     | 0.51                  | Not Detected      |
| Tetrachloroethene         | 0.093                | 1.7              | 0.63                  | 11                |
| 1,2-Dibromoethane (EDB)   | 0.093                | Not Detected     | 0.72                  | Not Detected      |
| Ethyl Benzene             | 0.093                | 1.7              | 0.40                  | 7.4               |
| m,p-Xylene                | 0.19                 | 7.8              | 0.81                  | 34                |
| o-Xylene                  | 0.093                | 3.9              | 0.40                  | 17                |
| 1,1,2,2-Tetrachloroethane | 0.093                | Not Detected     | 0.64                  | Not Detected      |
| 1,4-Dichlorobenzene       | 0.093                | Not Detected     | 0.56                  | Not Detected      |
| Naphthalene               | 0.23                 | Not Detected     | 1.2                   | Not Detected      |

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 98        | 70-130           |
| Toluene-d8            | 100       | 70-130           |
| 4-Bromofluorobenzene  | 102       | 70-130           |



Air Toxics

Client Sample ID: S-35

Lab ID#: 1606511-04A

## MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

|              |          |                     |                     |
|--------------|----------|---------------------|---------------------|
| File Name:   | 20062714 | Date of Collection: | 6/22/16 12:25:00 PM |
| Dil. Factor: | 19.3     | Date of Analysis:   | 6/27/16 08:32 PM    |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| 1,3-Butadiene                    | 1.9               | 5.8           | 4.3                | 13             |
| Bromomethane                     | 9.6               | Not Detected  | 37                 | Not Detected   |
| Freon 11                         | 1.9               | 20            | 11                 | 110            |
| Ethanol                          | 9.6               | Not Detected  | 18                 | Not Detected   |
| Freon 113                        | 1.9               | Not Detected  | 15                 | Not Detected   |
| Acetone                          | 9.6               | 45            | 23                 | 110            |
| 2-Propanol                       | 9.6               | Not Detected  | 24                 | Not Detected   |
| Carbon Disulfide                 | 9.6               | Not Detected  | 30                 | Not Detected   |
| 3-Chloropropene                  | 9.6               | Not Detected  | 30                 | Not Detected   |
| Methylene Chloride               | 3.9               | Not Detected  | 13                 | Not Detected   |
| Hexane                           | 1.9               | Not Detected  | 6.8                | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 9.6               | 10            | 28                 | 31             |
| Tetrahydrofuran                  | 9.6               | Not Detected  | 28                 | Not Detected   |
| Cyclohexane                      | 1.9               | Not Detected  | 6.6                | Not Detected   |
| 2,2,4-Trimethylpentane           | 9.6               | Not Detected  | 45                 | Not Detected   |
| Heptane                          | 1.9               | Not Detected  | 7.9                | Not Detected   |
| 1,2-Dichloropropane              | 1.9               | Not Detected  | 8.9                | Not Detected   |
| 1,4-Dioxane                      | 1.9               | Not Detected  | 7.0                | Not Detected   |
| Bromodichloromethane             | 1.9               | Not Detected  | 13                 | Not Detected   |
| cis-1,3-Dichloropropene          | 1.9               | Not Detected  | 8.8                | Not Detected   |
| 4-Methyl-2-pentanone             | 1.9               | Not Detected  | 7.9                | Not Detected   |
| trans-1,3-Dichloropropene        | 1.9               | Not Detected  | 8.8                | Not Detected   |
| Tetrachloroethene                | 1.9               | 510           | 13                 | 3500           |
| 2-Hexanone                       | 9.6               | Not Detected  | 40                 | Not Detected   |
| Dibromochloromethane             | 1.9               | Not Detected  | 16                 | Not Detected   |
| Chlorobenzene                    | 1.9               | Not Detected  | 8.9                | Not Detected   |
| Styrene                          | 1.9               | Not Detected  | 8.2                | Not Detected   |
| Bromoform                        | 1.9               | Not Detected  | 20                 | Not Detected   |
| Cumene                           | 1.9               | Not Detected  | 9.5                | Not Detected   |
| Propylbenzene                    | 1.9               | Not Detected  | 9.5                | Not Detected   |
| 4-Ethyltoluene                   | 1.9               | Not Detected  | 9.5                | Not Detected   |
| 1,3,5-Trimethylbenzene           | 1.9               | Not Detected  | 9.5                | Not Detected   |
| 1,2,4-Trimethylbenzene           | 1.9               | Not Detected  | 9.5                | Not Detected   |
| 1,3-Dichlorobenzene              | 1.9               | Not Detected  | 12                 | Not Detected   |
| alpha-Chlorotoluene              | 1.9               | Not Detected  | 10                 | Not Detected   |
| 1,2-Dichlorobenzene              | 1.9               | Not Detected  | 12                 | Not Detected   |
| 1,2,4-Trichlorobenzene           | 9.6               | Not Detected  | 72                 | Not Detected   |
| Hexachlorobutadiene              | 9.6               | Not Detected  | 100                | Not Detected   |
| TPH ref. to Gasoline (MW=100)    | 190               | Not Detected  | 790                | Not Detected   |

Container Type: 6 Liter Summa Canister (SIM Certified)

Client Sample ID: S-35

Lab ID#: 1606511-04A

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

|              |          |                                         |
|--------------|----------|-----------------------------------------|
| File Name:   | 20062714 | Date of Collection: 6/22/16 12:25:00 PM |
| Dil. Factor: | 19.3     | Date of Analysis: 6/27/16 08:32 PM      |

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 93        | 70-130        |
| Toluene-d8            | 97        | 70-130        |
| 4-Bromofluorobenzene  | 97        | 70-130        |



Air Toxics

Client Sample ID: S-35

Lab ID#: 1606511-04B

## MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

|              |             |                     |                     |
|--------------|-------------|---------------------|---------------------|
| File Name:   | 20062714sim | Date of Collection: | 6/22/16 12:25:00 PM |
| Dil. Factor: | 19.3        | Date of Analysis:   | 6/27/16 08:32 PM    |

| Compound                  | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12                  | 0.39                 | 0.72             | 1.9                   | 3.5               |
| Freon 114                 | 0.39                 | Not Detected     | 2.7                   | Not Detected      |
| Chloromethane             | 0.96                 | Not Detected     | 2.0                   | Not Detected      |
| Vinyl Chloride            | 0.19                 | Not Detected     | 0.49                  | Not Detected      |
| Chloroethane              | 0.96                 | Not Detected     | 2.5                   | Not Detected      |
| 1,1-Dichloroethene        | 0.19                 | Not Detected     | 0.76                  | Not Detected      |
| trans-1,2-Dichloroethene  | 1.9                  | Not Detected     | 7.6                   | Not Detected      |
| Methyl tert-butyl ether   | 1.9                  | Not Detected     | 7.0                   | Not Detected      |
| 1,1-Dichloroethane        | 0.39                 | Not Detected     | 1.6                   | Not Detected      |
| cis-1,2-Dichloroethene    | 0.39                 | Not Detected     | 1.5                   | Not Detected      |
| Chloroform                | 0.39                 | Not Detected     | 1.9                   | Not Detected      |
| 1,1,1-Trichloroethane     | 0.39                 | Not Detected     | 2.1                   | Not Detected      |
| Carbon Tetrachloride      | 0.39                 | Not Detected     | 2.4                   | Not Detected      |
| Benzene                   | 0.96                 | 1.4              | 3.1                   | 4.6               |
| 1,2-Dichloroethane        | 0.39                 | Not Detected     | 1.6                   | Not Detected      |
| Trichloroethene           | 0.39                 | Not Detected     | 2.1                   | Not Detected      |
| Toluene                   | 0.39                 | 1.5              | 1.4                   | 5.8               |
| 1,1,2-Trichloroethane     | 0.39                 | Not Detected     | 2.1                   | Not Detected      |
| 1,2-Dibromoethane (EDB)   | 0.39                 | Not Detected     | 3.0                   | Not Detected      |
| Ethyl Benzene             | 0.39                 | 4.9              | 1.7                   | 21                |
| m,p-Xylene                | 0.77                 | 21               | 3.4                   | 91                |
| o-Xylene                  | 0.39                 | 7.9              | 1.7                   | 34                |
| 1,1,2,2-Tetrachloroethane | 0.39                 | Not Detected     | 2.6                   | Not Detected      |
| 1,4-Dichlorobenzene       | 0.39                 | Not Detected     | 2.3                   | Not Detected      |
| Naphthalene               | 0.96                 | Not Detected     | 5.0                   | Not Detected      |

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 97        | 70-130           |
| Toluene-d8            | 99        | 70-130           |
| 4-Bromofluorobenzene  | 100       | 70-130           |



Air Toxics

Client Sample ID: S-31

Lab ID#: 1606511-05A

## MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

|              |          |                     |                    |
|--------------|----------|---------------------|--------------------|
| File Name:   | 20062713 | Date of Collection: | 6/22/16 2:28:00 PM |
| Dil. Factor: | 1.94     | Date of Analysis:   | 6/27/16 07:53 PM   |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| 1,3-Butadiene                    | 0.19              | Not Detected  | 0.43               | Not Detected   |
| Bromomethane                     | 0.97              | Not Detected  | 3.8                | Not Detected   |
| Freon 11                         | 0.19              | 2.7           | 1.1                | 15             |
| Ethanol                          | 0.97              | Not Detected  | 1.8                | Not Detected   |
| Freon 113                        | 0.19              | Not Detected  | 1.5                | Not Detected   |
| Acetone                          | 0.97              | 6.8           | 2.3                | 16             |
| 2-Propanol                       | 0.97              | 6.5           | 2.4                | 16             |
| Carbon Disulfide                 | 0.97              | 5.9           | 3.0                | 18             |
| 3-Chloropropene                  | 0.97              | Not Detected  | 3.0                | Not Detected   |
| Methylene Chloride               | 0.39              | 0.45          | 1.3                | 1.6            |
| Hexane                           | 0.19              | Not Detected  | 0.68               | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 0.97              | 1.4           | 2.9                | 4.0            |
| Tetrahydrofuran                  | 0.97              | Not Detected  | 2.9                | Not Detected   |
| Cyclohexane                      | 0.19              | Not Detected  | 0.67               | Not Detected   |
| 2,2,4-Trimethylpentane           | 0.97              | Not Detected  | 4.5                | Not Detected   |
| Heptane                          | 0.19              | Not Detected  | 0.80               | Not Detected   |
| 1,2-Dichloropropane              | 0.19              | Not Detected  | 0.90               | Not Detected   |
| 1,4-Dioxane                      | 0.19              | Not Detected  | 0.70               | Not Detected   |
| Bromodichloromethane             | 0.19              | Not Detected  | 1.3                | Not Detected   |
| cis-1,3-Dichloropropene          | 0.19              | Not Detected  | 0.88               | Not Detected   |
| 4-Methyl-2-pentanone             | 0.19              | Not Detected  | 0.79               | Not Detected   |
| trans-1,3-Dichloropropene        | 0.19              | Not Detected  | 0.88               | Not Detected   |
| 2-Hexanone                       | 0.97              | Not Detected  | 4.0                | Not Detected   |
| Dibromochloromethane             | 0.19              | Not Detected  | 1.6                | Not Detected   |
| Chlorobenzene                    | 0.19              | Not Detected  | 0.89               | Not Detected   |
| Styrene                          | 0.19              | Not Detected  | 0.83               | Not Detected   |
| Bromoform                        | 0.19              | Not Detected  | 2.0                | Not Detected   |
| Cumene                           | 0.19              | Not Detected  | 0.95               | Not Detected   |
| Propylbenzene                    | 0.19              | Not Detected  | 0.95               | Not Detected   |
| 4-Ethyltoluene                   | 0.19              | Not Detected  | 0.95               | Not Detected   |
| 1,3,5-Trimethylbenzene           | 0.19              | Not Detected  | 0.95               | Not Detected   |
| 1,2,4-Trimethylbenzene           | 0.19              | Not Detected  | 0.95               | Not Detected   |
| 1,3-Dichlorobenzene              | 0.19              | 1.2           | 1.2                | 7.0            |
| alpha-Chlorotoluene              | 0.19              | Not Detected  | 1.0                | Not Detected   |
| 1,2-Dichlorobenzene              | 0.19              | Not Detected  | 1.2                | Not Detected   |
| 1,2,4-Trichlorobenzene           | 0.97              | Not Detected  | 7.2                | Not Detected   |
| Hexachlorobutadiene              | 0.97              | Not Detected  | 10                 | Not Detected   |
| TPH ref. to Gasoline (MW=100)    | 19                | Not Detected  | 79                 | Not Detected   |

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates | %Recovery | Method Limits |
|------------|-----------|---------------|
|------------|-----------|---------------|

Client Sample ID: S-31

Lab ID#: 1606511-05A

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

|              |          |                                        |
|--------------|----------|----------------------------------------|
| File Name:   | 20062713 | Date of Collection: 6/22/16 2:28:00 PM |
| Dil. Factor: | 1.94     | Date of Analysis: 6/27/16 07:53 PM     |

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 120       | 70-130        |
| Toluene-d8            | 99        | 70-130        |
| 4-Bromofluorobenzene  | 104       | 70-130        |

Client Sample ID: S-31

Lab ID#: 1606511-05B

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

|              |             |                     |                    |
|--------------|-------------|---------------------|--------------------|
| File Name:   | 20062713sim | Date of Collection: | 6/22/16 2:28:00 PM |
| Dil. Factor: | 1.94        | Date of Analysis:   | 6/27/16 07:53 PM   |

| Compound                  | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12                  | 0.039                | 0.90             | 0.19                  | 4.5               |
| Freon 114                 | 0.039                | Not Detected     | 0.27                  | Not Detected      |
| Chloromethane             | 0.097                | 0.42             | 0.20                  | 0.88              |
| Vinyl Chloride            | 0.019                | 0.033            | 0.050                 | 0.086             |
| Chloroethane              | 0.097                | 0.10             | 0.26                  | 0.28              |
| 1,1-Dichloroethene        | 0.019                | Not Detected     | 0.077                 | Not Detected      |
| trans-1,2-Dichloroethene  | 0.19                 | Not Detected     | 0.77                  | Not Detected      |
| Methyl tert-butyl ether   | 0.19                 | Not Detected     | 0.70                  | Not Detected      |
| 1,1-Dichloroethane        | 0.039                | Not Detected     | 0.16                  | Not Detected      |
| cis-1,2-Dichloroethene    | 0.039                | Not Detected     | 0.15                  | Not Detected      |
| Chloroform                | 0.039                | 0.48             | 0.19                  | 2.4               |
| 1,1,1-Trichloroethane     | 0.039                | Not Detected     | 0.21                  | Not Detected      |
| Carbon Tetrachloride      | 0.039                | 0.12             | 0.24                  | 0.76              |
| Benzene                   | 0.097                | Not Detected     | 0.31                  | Not Detected      |
| 1,2-Dichloroethane        | 0.039                | Not Detected     | 0.16                  | Not Detected      |
| Trichloroethene           | 0.039                | Not Detected     | 0.21                  | Not Detected      |
| Toluene                   | 0.039                | 0.087            | 0.15                  | 0.33              |
| 1,1,2-Trichloroethane     | 0.039                | Not Detected     | 0.21                  | Not Detected      |
| Tetrachloroethene         | 0.039                | 0.78             | 0.26                  | 5.3               |
| 1,2-Dibromoethane (EDB)   | 0.039                | Not Detected     | 0.30                  | Not Detected      |
| Ethyl Benzene             | 0.039                | Not Detected     | 0.17                  | Not Detected      |
| m,p-Xylene                | 0.078                | 0.11             | 0.34                  | 0.48              |
| o-Xylene                  | 0.039                | 0.061            | 0.17                  | 0.27              |
| 1,1,2,2-Tetrachloroethane | 0.039                | Not Detected     | 0.27                  | Not Detected      |
| 1,4-Dichlorobenzene       | 0.039                | Not Detected     | 0.23                  | Not Detected      |
| Naphthalene               | 0.097                | Not Detected     | 0.51                  | Not Detected      |

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 120       | 70-130           |
| Toluene-d8            | 100       | 70-130           |
| 4-Bromofluorobenzene  | 106       | 70-130           |



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1606511-06A

## MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

|              |          |                                    |
|--------------|----------|------------------------------------|
| File Name:   | 20062707 | Date of Collection: NA             |
| Dil. Factor: | 1.00     | Date of Analysis: 6/27/16 01:35 PM |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| 1,3-Butadiene                    | 0.10              | Not Detected  | 0.22               | Not Detected   |
| Bromomethane                     | 0.50              | Not Detected  | 1.9                | Not Detected   |
| Freon 11                         | 0.10              | Not Detected  | 0.56               | Not Detected   |
| Ethanol                          | 0.50              | Not Detected  | 0.94               | Not Detected   |
| Freon 113                        | 0.10              | Not Detected  | 0.77               | Not Detected   |
| Acetone                          | 0.50              | Not Detected  | 1.2                | Not Detected   |
| 2-Propanol                       | 0.50              | Not Detected  | 1.2                | Not Detected   |
| Carbon Disulfide                 | 0.50              | Not Detected  | 1.6                | Not Detected   |
| 3-Chloropropene                  | 0.50              | Not Detected  | 1.6                | Not Detected   |
| Methylene Chloride               | 0.20              | Not Detected  | 0.69               | Not Detected   |
| Hexane                           | 0.10              | Not Detected  | 0.35               | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 0.50              | Not Detected  | 1.5                | Not Detected   |
| Tetrahydrofuran                  | 0.50              | Not Detected  | 1.5                | Not Detected   |
| Cyclohexane                      | 0.10              | Not Detected  | 0.34               | Not Detected   |
| 2,2,4-Trimethylpentane           | 0.50              | Not Detected  | 2.3                | Not Detected   |
| Heptane                          | 0.10              | Not Detected  | 0.41               | Not Detected   |
| 1,2-Dichloropropane              | 0.10              | Not Detected  | 0.46               | Not Detected   |
| 1,4-Dioxane                      | 0.10              | Not Detected  | 0.36               | Not Detected   |
| Bromodichloromethane             | 0.10              | Not Detected  | 0.67               | Not Detected   |
| cis-1,3-Dichloropropene          | 0.10              | Not Detected  | 0.45               | Not Detected   |
| 4-Methyl-2-pentanone             | 0.10              | Not Detected  | 0.41               | Not Detected   |
| trans-1,3-Dichloropropene        | 0.10              | Not Detected  | 0.45               | Not Detected   |
| Tetrachloroethene                | 0.10              | Not Detected  | 0.68               | Not Detected   |
| 2-Hexanone                       | 0.50              | Not Detected  | 2.0                | Not Detected   |
| Dibromochloromethane             | 0.10              | Not Detected  | 0.85               | Not Detected   |
| Chlorobenzene                    | 0.10              | Not Detected  | 0.46               | Not Detected   |
| Styrene                          | 0.10              | Not Detected  | 0.42               | Not Detected   |
| Bromoform                        | 0.10              | Not Detected  | 1.0                | Not Detected   |
| Cumene                           | 0.10              | Not Detected  | 0.49               | Not Detected   |
| Propylbenzene                    | 0.10              | Not Detected  | 0.49               | Not Detected   |
| 4-Ethyltoluene                   | 0.10              | Not Detected  | 0.49               | Not Detected   |
| 1,3,5-Trimethylbenzene           | 0.10              | Not Detected  | 0.49               | Not Detected   |
| 1,2,4-Trimethylbenzene           | 0.10              | Not Detected  | 0.49               | Not Detected   |
| 1,3-Dichlorobenzene              | 0.10              | Not Detected  | 0.60               | Not Detected   |
| alpha-Chlorotoluene              | 0.10              | Not Detected  | 0.52               | Not Detected   |
| 1,2-Dichlorobenzene              | 0.10              | Not Detected  | 0.60               | Not Detected   |
| 1,2,4-Trichlorobenzene           | 0.50              | Not Detected  | 3.7                | Not Detected   |
| Hexachlorobutadiene              | 0.50              | Not Detected  | 5.3                | Not Detected   |
| TPH ref. to Gasoline (MW=100)    | 10                | Not Detected  | 41                 | Not Detected   |

Container Type: NA - Not Applicable

Client Sample ID: Lab Blank

Lab ID#: 1606511-06A

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

|              |          |                                    |
|--------------|----------|------------------------------------|
| File Name:   | 20062707 | Date of Collection: NA             |
| Dil. Factor: | 1.00     | Date of Analysis: 6/27/16 01:35 PM |

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 102       | 70-130        |
| Toluene-d8            | 96        | 70-130        |
| 4-Bromofluorobenzene  | 97        | 70-130        |



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1606511-06B

## MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name: 20062707sim

Date of Collection: NA

Dil. Factor: 1.00

Date of Analysis: 6/27/16 01:35 PM

| Compound                  | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12                  | 0.020                | Not Detected     | 0.099                 | Not Detected      |
| Freon 114                 | 0.020                | Not Detected     | 0.14                  | Not Detected      |
| Chloromethane             | 0.050                | Not Detected     | 0.10                  | Not Detected      |
| Vinyl Chloride            | 0.010                | Not Detected     | 0.026                 | Not Detected      |
| Chloroethane              | 0.050                | Not Detected     | 0.13                  | Not Detected      |
| 1,1-Dichloroethene        | 0.010                | Not Detected     | 0.040                 | Not Detected      |
| trans-1,2-Dichloroethene  | 0.10                 | Not Detected     | 0.40                  | Not Detected      |
| Methyl tert-butyl ether   | 0.10                 | Not Detected     | 0.36                  | Not Detected      |
| 1,1-Dichloroethane        | 0.020                | Not Detected     | 0.081                 | Not Detected      |
| cis-1,2-Dichloroethene    | 0.020                | Not Detected     | 0.079                 | Not Detected      |
| Chloroform                | 0.020                | Not Detected     | 0.098                 | Not Detected      |
| 1,1,1-Trichloroethane     | 0.020                | Not Detected     | 0.11                  | Not Detected      |
| Carbon Tetrachloride      | 0.020                | Not Detected     | 0.12                  | Not Detected      |
| Benzene                   | 0.050                | Not Detected     | 0.16                  | Not Detected      |
| 1,2-Dichloroethane        | 0.020                | Not Detected     | 0.081                 | Not Detected      |
| Trichloroethene           | 0.020                | Not Detected     | 0.11                  | Not Detected      |
| Toluene                   | 0.020                | Not Detected     | 0.075                 | Not Detected      |
| 1,1,2-Trichloroethane     | 0.020                | Not Detected     | 0.11                  | Not Detected      |
| Tetrachloroethene         | 0.020                | Not Detected     | 0.14                  | Not Detected      |
| 1,2-Dibromoethane (EDB)   | 0.020                | Not Detected     | 0.15                  | Not Detected      |
| Ethyl Benzene             | 0.020                | Not Detected     | 0.087                 | Not Detected      |
| m,p-Xylene                | 0.040                | Not Detected     | 0.17                  | Not Detected      |
| o-Xylene                  | 0.020                | Not Detected     | 0.087                 | Not Detected      |
| 1,1,2,2-Tetrachloroethane | 0.020                | Not Detected     | 0.14                  | Not Detected      |
| 1,4-Dichlorobenzene       | 0.020                | Not Detected     | 0.12                  | Not Detected      |
| Naphthalene               | 0.050                | Not Detected     | 0.26                  | Not Detected      |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 105       | 70-130           |
| Toluene-d8            | 98        | 70-130           |
| 4-Bromofluorobenzene  | 98        | 70-130           |



Air Toxics

Client Sample ID: CCV

Lab ID#: 1606511-07A

## MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

|              |          |                                    |
|--------------|----------|------------------------------------|
| File Name:   | 20062703 | Date of Collection: NA             |
| Dil. Factor: | 1.00     | Date of Analysis: 6/27/16 10:44 AM |

| Compound | %Recovery |
|----------|-----------|
|----------|-----------|

|                                  |       |
|----------------------------------|-------|
| 1,3-Butadiene                    | 103   |
| Bromomethane                     | 110   |
| Freon 11                         | 102   |
| Ethanol                          | 109   |
| Freon 113                        | 102   |
| Acetone                          | 102   |
| 2-Propanol                       | 106   |
| Carbon Disulfide                 | 107   |
| 3-Chloropropene                  | 115   |
| Methylene Chloride               | 102   |
| Hexane                           | 104   |
| 2-Butanone (Methyl Ethyl Ketone) | 109   |
| Tetrahydrofuran                  | 105   |
| Cyclohexane                      | 106   |
| 2,2,4-Trimethylpentane           | 104   |
| Heptane                          | 106   |
| 1,2-Dichloropropane              | 102   |
| 1,4-Dioxane                      | 108   |
| Bromodichloromethane             | 119   |
| cis-1,3-Dichloropropene          | 113   |
| 4-Methyl-2-pentanone             | 112   |
| trans-1,3-Dichloropropene        | 121   |
| Tetrachloroethene                | 106   |
| 2-Hexanone                       | 114   |
| Dibromochloromethane             | 127   |
| Chlorobenzene                    | 109   |
| Styrene                          | 124   |
| Bromoform                        | 131 Q |
| Cumene                           | 112   |
| Propylbenzene                    | 103   |
| 4-Ethyltoluene                   | 100   |
| 1,3,5-Trimethylbenzene           | 114   |
| 1,2,4-Trimethylbenzene           | 113   |
| 1,3-Dichlorobenzene              | 103   |
| alpha-Chlorotoluene              | 118   |
| 1,2-Dichlorobenzene              | 102   |
| 1,2,4-Trichlorobenzene           | 93    |
| Hexachlorobutadiene              | 89    |
| TPH ref. to Gasoline (MW=100)    | 100   |

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Client Sample ID: CCV

Lab ID#: 1606511-07A

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

|              |          |                                    |
|--------------|----------|------------------------------------|
| File Name:   | 20062703 | Date of Collection: NA             |
| Dil. Factor: | 1.00     | Date of Analysis: 6/27/16 10:44 AM |

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 93        | 70-130        |
| Toluene-d8            | 100       | 70-130        |
| 4-Bromofluorobenzene  | 103       | 70-130        |

Client Sample ID: CCV

Lab ID#: 1606511-07B

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

|                     |                    |                                           |
|---------------------|--------------------|-------------------------------------------|
| <b>File Name:</b>   | <b>20062703sim</b> | <b>Date of Collection: NA</b>             |
| <b>Dil. Factor:</b> | <b>1.00</b>        | <b>Date of Analysis: 6/27/16 10:44 AM</b> |

| Compound                  | %Recovery |
|---------------------------|-----------|
| Freon 12                  | 102       |
| Freon 114                 | 103       |
| Chloromethane             | 92        |
| Vinyl Chloride            | 99        |
| Chloroethane              | 108       |
| 1,1-Dichloroethene        | 103       |
| trans-1,2-Dichloroethene  | 101       |
| Methyl tert-butyl ether   | 110       |
| 1,1-Dichloroethane        | 103       |
| cis-1,2-Dichloroethene    | 104       |
| Chloroform                | 103       |
| 1,1,1-Trichloroethane     | 105       |
| Carbon Tetrachloride      | 138       |
| Benzene                   | 87        |
| 1,2-Dichloroethane        | 98        |
| Trichloroethene           | 101       |
| Toluene                   | 107       |
| 1,1,2-Trichloroethane     | 109       |
| Tetrachloroethene         | 102       |
| 1,2-Dibromoethane (EDB)   | 114       |
| Ethyl Benzene             | 113       |
| m,p-Xylene                | 115       |
| o-Xylene                  | 114       |
| 1,1,2,2-Tetrachloroethane | 110       |
| 1,4-Dichlorobenzene       | 89        |
| Naphthalene               | 92        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 92        | 70-130        |
| Toluene-d8            | 101       | 70-130        |
| 4-Bromofluorobenzene  | 103       | 70-130        |

Client Sample ID: LCS

Lab ID#: 1606511-08A

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

|                     |                 |                                           |
|---------------------|-----------------|-------------------------------------------|
| <b>File Name:</b>   | <b>20062704</b> | <b>Date of Collection: NA</b>             |
| <b>Dil. Factor:</b> | <b>1.00</b>     | <b>Date of Analysis: 6/27/16 11:32 AM</b> |

| Compound                         | %Recovery  | Method Limits |
|----------------------------------|------------|---------------|
| 1,3-Butadiene                    | 103        | 70-130        |
| Bromomethane                     | 108        | 70-130        |
| Freon 11                         | 108        | 70-130        |
| Ethanol                          | 113        | 70-130        |
| Freon 113                        | 103        | 70-130        |
| Acetone                          | 101        | 70-130        |
| 2-Propanol                       | 111        | 70-130        |
| Carbon Disulfide                 | 95         | 70-130        |
| 3-Chloropropene                  | 108        | 70-130        |
| Methylene Chloride               | 105        | 70-130        |
| Hexane                           | 112        | 70-130        |
| 2-Butanone (Methyl Ethyl Ketone) | 110        | 70-130        |
| Tetrahydrofuran                  | 106        | 70-130        |
| Cyclohexane                      | 111        | 70-130        |
| 2,2,4-Trimethylpentane           | 113        | 70-130        |
| Heptane                          | 114        | 70-130        |
| 1,2-Dichloropropane              | 109        | 70-130        |
| 1,4-Dioxane                      | 104        | 70-130        |
| Bromodichloromethane             | 116        | 70-130        |
| cis-1,3-Dichloropropene          | 109        | 70-130        |
| 4-Methyl-2-pentanone             | 116        | 70-130        |
| trans-1,3-Dichloropropene        | 119        | 70-130        |
| Tetrachloroethene                | 110        | 70-130        |
| 2-Hexanone                       | 112        | 70-130        |
| Dibromochloromethane             | 124        | 70-130        |
| Chlorobenzene                    | 110        | 70-130        |
| Styrene                          | 118        | 70-130        |
| Bromoform                        | 128        | 70-130        |
| Cumene                           | 111        | 70-130        |
| Propylbenzene                    | 104        | 70-130        |
| 4-Ethyltoluene                   | 97         | 70-130        |
| 1,3,5-Trimethylbenzene           | 112        | 70-130        |
| 1,2,4-Trimethylbenzene           | 111        | 70-130        |
| 1,3-Dichlorobenzene              | 100        | 70-130        |
| alpha-Chlorotoluene              | 118        | 70-130        |
| 1,2-Dichlorobenzene              | 99         | 70-130        |
| 1,2,4-Trichlorobenzene           | 82         | 70-130        |
| Hexachlorobutadiene              | 77         | 70-130        |
| TPH ref. to Gasoline (MW=100)    | Not Spiked |               |

Container Type: NA - Not Applicable

Client Sample ID: LCS

Lab ID#: 1606511-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

|              |          |                                    |
|--------------|----------|------------------------------------|
| File Name:   | 20062704 | Date of Collection: NA             |
| Dil. Factor: | 1.00     | Date of Analysis: 6/27/16 11:32 AM |

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 91        | 70-130        |
| Toluene-d8            | 103       | 70-130        |
| 4-Bromofluorobenzene  | 102       | 70-130        |

Client Sample ID: LCSD

Lab ID#: 1606511-08AA

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

|                     |                 |                                           |
|---------------------|-----------------|-------------------------------------------|
| <b>File Name:</b>   | <b>20062705</b> | <b>Date of Collection: NA</b>             |
| <b>Dil. Factor:</b> | <b>1.00</b>     | <b>Date of Analysis: 6/27/16 12:17 PM</b> |

| Compound                         | %Recovery  | Method Limits |
|----------------------------------|------------|---------------|
| 1,3-Butadiene                    | 103        | 70-130        |
| Bromomethane                     | 110        | 70-130        |
| Freon 11                         | 108        | 70-130        |
| Ethanol                          | 113        | 70-130        |
| Freon 113                        | 103        | 70-130        |
| Acetone                          | 101        | 70-130        |
| 2-Propanol                       | 111        | 70-130        |
| Carbon Disulfide                 | 95         | 70-130        |
| 3-Chloropropene                  | 108        | 70-130        |
| Methylene Chloride               | 104        | 70-130        |
| Hexane                           | 112        | 70-130        |
| 2-Butanone (Methyl Ethyl Ketone) | 109        | 70-130        |
| Tetrahydrofuran                  | 105        | 70-130        |
| Cyclohexane                      | 111        | 70-130        |
| 2,2,4-Trimethylpentane           | 112        | 70-130        |
| Heptane                          | 111        | 70-130        |
| 1,2-Dichloropropane              | 107        | 70-130        |
| 1,4-Dioxane                      | 104        | 70-130        |
| Bromodichloromethane             | 116        | 70-130        |
| cis-1,3-Dichloropropene          | 109        | 70-130        |
| 4-Methyl-2-pentanone             | 114        | 70-130        |
| trans-1,3-Dichloropropene        | 119        | 70-130        |
| Tetrachloroethene                | 110        | 70-130        |
| 2-Hexanone                       | 112        | 70-130        |
| Dibromochloromethane             | 122        | 70-130        |
| Chlorobenzene                    | 110        | 70-130        |
| Styrene                          | 117        | 70-130        |
| Bromoform                        | 127        | 70-130        |
| Cumene                           | 111        | 70-130        |
| Propylbenzene                    | 102        | 70-130        |
| 4-Ethyltoluene                   | 98         | 70-130        |
| 1,3,5-Trimethylbenzene           | 110        | 70-130        |
| 1,2,4-Trimethylbenzene           | 113        | 70-130        |
| 1,3-Dichlorobenzene              | 100        | 70-130        |
| alpha-Chlorotoluene              | 116        | 70-130        |
| 1,2-Dichlorobenzene              | 100        | 70-130        |
| 1,2,4-Trichlorobenzene           | 81         | 70-130        |
| Hexachlorobutadiene              | 75         | 70-130        |
| TPH ref. to Gasoline (MW=100)    | Not Spiked |               |

Container Type: NA - Not Applicable

Client Sample ID: LCSD

Lab ID#: 1606511-08AA

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

|              |          |                                    |
|--------------|----------|------------------------------------|
| File Name:   | 20062705 | Date of Collection: NA             |
| Dil. Factor: | 1.00     | Date of Analysis: 6/27/16 12:17 PM |

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 91        | 70-130        |
| Toluene-d8            | 101       | 70-130        |
| 4-Bromofluorobenzene  | 103       | 70-130        |



Air Toxics

Client Sample ID: LCS

Lab ID#: 1606511-08B

## MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name: 20062704sim

Date of Collection: NA

Dil. Factor: 1.00

Date of Analysis: 6/27/16 11:32 AM

| Compound                  | %Recovery | Method Limits |
|---------------------------|-----------|---------------|
| Freon 12                  | 107       | 70-130        |
| Freon 114                 | 109       | 70-130        |
| Chloromethane             | 97        | 70-130        |
| Vinyl Chloride            | 104       | 70-130        |
| Chloroethane              | 116       | 70-130        |
| 1,1-Dichloroethene        | 104       | 70-130        |
| trans-1,2-Dichloroethene  | 106       | 70-130        |
| Methyl tert-butyl ether   | 112       | 70-130        |
| 1,1-Dichloroethane        | 104       | 70-130        |
| cis-1,2-Dichloroethene    | 103       | 70-130        |
| Chloroform                | 105       | 70-130        |
| 1,1,1-Trichloroethane     | 108       | 70-130        |
| Carbon Tetrachloride      | 136       | 60-140        |
| Benzene                   | 92        | 70-130        |
| 1,2-Dichloroethane        | 100       | 70-130        |
| Trichloroethene           | 105       | 70-130        |
| Toluene                   | 112       | 70-130        |
| 1,1,2-Trichloroethane     | 112       | 70-130        |
| Tetrachloroethene         | 106       | 70-130        |
| 1,2-Dibromoethane (EDB)   | 117       | 70-130        |
| Ethyl Benzene             | 115       | 70-130        |
| m,p-Xylene                | 115       | 70-130        |
| o-Xylene                  | 118       | 70-130        |
| 1,1,2,2-Tetrachloroethane | 113       | 70-130        |
| 1,4-Dichlorobenzene       | 89        | 70-130        |
| Naphthalene               | 90        | 60-140        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 93        | 70-130        |
| Toluene-d8            | 103       | 70-130        |
| 4-Bromofluorobenzene  | 104       | 70-130        |

Client Sample ID: LCSD

Lab ID#: 1606511-08BB

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

File Name: 20062705sim

Date of Collection: NA

Dil. Factor: 1.00

Date of Analysis: 6/27/16 12:17 PM

| Compound                  | %Recovery | Method Limits |
|---------------------------|-----------|---------------|
| Freon 12                  | 108       | 70-130        |
| Freon 114                 | 110       | 70-130        |
| Chloromethane             | 98        | 70-130        |
| Vinyl Chloride            | 104       | 70-130        |
| Chloroethane              | 117       | 70-130        |
| 1,1-Dichloroethene        | 105       | 70-130        |
| trans-1,2-Dichloroethene  | 106       | 70-130        |
| Methyl tert-butyl ether   | 112       | 70-130        |
| 1,1-Dichloroethane        | 105       | 70-130        |
| cis-1,2-Dichloroethene    | 103       | 70-130        |
| Chloroform                | 106       | 70-130        |
| 1,1,1-Trichloroethane     | 109       | 70-130        |
| Carbon Tetrachloride      | 136       | 60-140        |
| Benzene                   | 92        | 70-130        |
| 1,2-Dichloroethane        | 100       | 70-130        |
| Trichloroethene           | 105       | 70-130        |
| Toluene                   | 112       | 70-130        |
| 1,1,2-Trichloroethane     | 112       | 70-130        |
| Tetrachloroethene         | 105       | 70-130        |
| 1,2-Dibromoethane (EDB)   | 116       | 70-130        |
| Ethyl Benzene             | 114       | 70-130        |
| m,p-Xylene                | 114       | 70-130        |
| o-Xylene                  | 117       | 70-130        |
| 1,1,2,2-Tetrachloroethane | 113       | 70-130        |
| 1,4-Dichlorobenzene       | 88        | 70-130        |
| Naphthalene               | 88        | 60-140        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 94        | 70-130        |
| Toluene-d8            | 102       | 70-130        |
| 4-Bromofluorobenzene  | 104       | 70-130        |



11/4/2016

Mr. Chris Rhea  
EES Environmental Consulting, Inc.  
240 N Broadway  
Suite 203  
Portland OR 97227

Project Name: PLAID PANTRY #112  
Project #: 1179-01  
Workorder #: 1609617AR2

Dear Mr. Chris Rhea

The following report includes the data for the above referenced project for sample(s) received on 9/26/2016 at Air Toxics Ltd.

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

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

Regards,



Kelly Buettner  
Project Manager

**WORK ORDER #: 1609617AR2**

## Work Order Summary

|                        |                                                                                                           |                  |                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------|
| <b>CLIENT:</b>         | Mr. Chris Rhea<br>EES Environmental Consulting, Inc.<br>240 N Broadway<br>Suite 203<br>Portland, OR 97227 | <b>BILL TO:</b>  | Mr. Chris Rhea<br>EES Environmental Consulting, Inc.<br>240 N Broadway<br>Suite 203<br>Portland, OR 97227 |
| <b>PHONE:</b>          | 530-847-2740                                                                                              | <b>P.O. #</b>    |                                                                                                           |
| <b>FAX:</b>            |                                                                                                           | <b>PROJECT #</b> | 1179-01 PLAID PANTRY #112                                                                                 |
| <b>DATE RECEIVED:</b>  | 09/26/2016                                                                                                | <b>CONTACT:</b>  | Kelly Buettner                                                                                            |
| <b>DATE COMPLETED:</b> | 10/06/2016                                                                                                |                  |                                                                                                           |
| <b>DATE REISSUED:</b>  | 11/04/2016                                                                                                |                  |                                                                                                           |

| <u>FRACTION #</u> | <u>NAME</u> | <u>TEST</u>    | <u>RECEIPT<br/>VAC./PRES.</u> | <u>FINAL<br/>PRESSURE</u> |
|-------------------|-------------|----------------|-------------------------------|---------------------------|
| 01A               | A-4         | Modified TO-15 | 7.0 "Hg                       | 5 psi                     |
| 01B               | A-4         | Modified TO-15 | 7.0 "Hg                       | 5 psi                     |
| 02A               | A-5         | Modified TO-15 | 6.5 "Hg                       | 5 psi                     |
| 02B               | A-5         | Modified TO-15 | 6.5 "Hg                       | 5 psi                     |
| 03A               | A-7         | Modified TO-15 | 5.5 "Hg                       | 5 psi                     |
| 03B               | A-7         | Modified TO-15 | 5.5 "Hg                       | 5 psi                     |
| 04A               | A-6         | Modified TO-15 | 5.5 "Hg                       | 5 psi                     |
| 04B               | A-6         | Modified TO-15 | 5.5 "Hg                       | 5 psi                     |
| 05A               | A-8         | Modified TO-15 | 7.5 "Hg                       | 5 psi                     |
| 05B               | A-8         | Modified TO-15 | 7.5 "Hg                       | 5 psi                     |
| 06A               | A-9         | Modified TO-15 | 7.0 "Hg                       | 5 psi                     |
| 06B               | A-9         | Modified TO-15 | 7.0 "Hg                       | 5 psi                     |
| 07A               | A-2         | Modified TO-15 | 5.5 "Hg                       | 5 psi                     |
| 07B               | A-2         | Modified TO-15 | 5.5 "Hg                       | 5 psi                     |
| 08A               | A-3         | Modified TO-15 | 6.5 "Hg                       | 5 psi                     |
| 08B               | A-3         | Modified TO-15 | 6.5 "Hg                       | 5 psi                     |
| 09A               | A-1         | Modified TO-15 | 8.0 "Hg                       | 5 psi                     |
| 09B               | A-1         | Modified TO-15 | 8.0 "Hg                       | 5 psi                     |
| 11A               | A-2ss       | Modified TO-15 | 8.0 "Hg                       | 5 psi                     |
| 12A               | A-1ss       | Modified TO-15 | 6.5 "Hg                       | 5 psi                     |
| 13A               | A-3ss       | Modified TO-15 | 8.0 "Hg                       | 5 psi                     |
| 14A               | Lab Blank   | Modified TO-15 | NA                            | NA                        |
| 14B               | Lab Blank   | Modified TO-15 | NA                            | NA                        |

Continued on next page

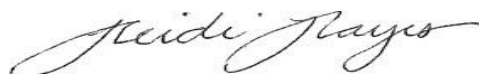
**WORK ORDER #: 1609617AR2**

## Work Order Summary

|                        |                                                                                                           |                  |                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------|
| <b>CLIENT:</b>         | Mr. Chris Rhea<br>EES Environmental Consulting, Inc.<br>240 N Broadway<br>Suite 203<br>Portland, OR 97227 | <b>BILL TO:</b>  | Mr. Chris Rhea<br>EES Environmental Consulting, Inc.<br>240 N Broadway<br>Suite 203<br>Portland, OR 97227 |
| <b>PHONE:</b>          | 530-847-2740                                                                                              | <b>P.O. #</b>    |                                                                                                           |
| <b>FAX:</b>            |                                                                                                           | <b>PROJECT #</b> | 1179-01 PLAID PANTRY #112                                                                                 |
| <b>DATE RECEIVED:</b>  | 09/26/2016                                                                                                | <b>CONTACT:</b>  | Kelly Buettner                                                                                            |
| <b>DATE COMPLETED:</b> | 10/06/2016                                                                                                |                  |                                                                                                           |
| <b>DATE REISSUED:</b>  | 11/04/2016                                                                                                |                  |                                                                                                           |

| <u>FRACTION #</u> | <u>NAME</u> | <u>TEST</u>    | <u>RECEIPT<br/>VAC./PRES.</u> | <u>FINAL<br/>PRESSURE</u> |
|-------------------|-------------|----------------|-------------------------------|---------------------------|
| 14C               | Lab Blank   | Modified TO-15 | NA                            | NA                        |
| 14D               | Lab Blank   | Modified TO-15 | NA                            | NA                        |
| 14E               | Lab Blank   | Modified TO-15 | NA                            | NA                        |
| 15A               | CCV         | Modified TO-15 | NA                            | NA                        |
| 15B               | CCV         | Modified TO-15 | NA                            | NA                        |
| 15C               | CCV         | Modified TO-15 | NA                            | NA                        |
| 15D               | CCV         | Modified TO-15 | NA                            | NA                        |
| 15E               | CCV         | Modified TO-15 | NA                            | NA                        |
| 16A               | LCS         | Modified TO-15 | NA                            | NA                        |
| 16AA              | LCSD        | Modified TO-15 | NA                            | NA                        |
| 16B               | LCS         | Modified TO-15 | NA                            | NA                        |
| 16BB              | LCSD        | Modified TO-15 | NA                            | NA                        |
| 16C               | LCS         | Modified TO-15 | NA                            | NA                        |
| 16CC              | LCSD        | Modified TO-15 | NA                            | NA                        |
| 16D               | LCS         | Modified TO-15 | NA                            | NA                        |
| 16DD              | LCSD        | Modified TO-15 | NA                            | NA                        |
| 16E               | LCS         | Modified TO-15 | NA                            | NA                        |
| 16EE              | LCSD        | Modified TO-15 | NA                            | NA                        |

CERTIFIED BY:



Technical Director

DATE: 11/04/16

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,  
TX NELAP - T104704434-15-9, UT NELAP CA0093332015-6, VA NELAP - 8113, WA NELAP - C935  
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)  
Accreditation number: CA300005, Effective date: 10/18/2015, Expiration date: 10/17/2016.

Eurofins Air Toxics Inc., certifies that the test results contained in this report meet all requirements of the NELAC standards

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

**LABORATORY NARRATIVE**  
**Modified TO-15 Full Scan/SIM**  
**EES Environmental Consulting, Inc.**  
**Workorder# 1609617AR2**

Twelve 6 Liter Summa Canister (SIM Certified) samples were received on September 26, 2016. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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

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

| <i><b>Requirement</b></i>     | <i><b>TO-15</b></i>                                          | <i><b>ATL Modifications</b></i>                                                                                                                                                                                                                                              |
|-------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ICAL %RSD acceptance criteria | $\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD | For Full Scan:<br>30% RSD with 4 compounds allowed out to $< 40\%$ RSD<br><br>For SIM:<br>Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD                                                                            |
| Daily Calibration             | $\pm 30\%$ Difference                                        | For Full Scan:<br>$\leq 30\%$ Difference with four allowed out up to $\leq 40\%$ ; flag and narrate outliers<br><br>For SIM:<br>Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$ ; flag and narrate outliers |
| Blank and standards           | Zero air                                                     | Nitrogen                                                                                                                                                                                                                                                                     |
| Method Detection Limit        | Follow 40CFR Pt.136 App. B                                   | The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases                                                                                  |

**Receiving Notes**

The Chain of Custody was missing method information. EATL proceeded with the analysis as per the original contract or verbal agreement.

The Chain of Custody (COC) information for sample A-3 did not match the information on the canister with regard to canister identification. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

---

### **Analytical Notes**

The results for samples A-4, A-5, A-7, A-6, A-8, A-9, A-2, A-3, and A-1 were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

Samples A-2ss, A-1ss, and A-3ss were diluted and transferred from SIM/Low Level analysis to full scan TO-15 due to high levels of target compounds.

A single point calibration for TPH referenced to Gasoline was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

Ethanol exceeded the instrument's calibration range for samples A-2, A-3, and A-1 and was flagged accordingly.

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

Per client request, the workorder was reissued on 10/28/2016 to report estimated values for target compound hits that are below the reporting limit but greater than the method detection limit. All the canisters used for this project have been certified to the reporting limit for the target analytes included in this workorder. Concentrations that are below the level at which the canister was certified may be false positives.

Per client request, the workorder was reissued on 11/04/2016 to report the analytical results using a different format in ug/m3.

### **Definition of Data Qualifying Flags**

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

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

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

CN - See case narrative explanation

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

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                      |
|---------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | A-4                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 06:07 PM     |
| <b>Lab ID:</b>            | 1609617AR2-01A                         | <b>Dilution Factor:</b>      | 1.75                 |
| <b>Date/Time Collecte</b> | 9/21/16 09:34 AM                       | <b>Instrument/File Name:</b> | msd20.i / 20092816r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                         | CAS#       | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|------------|----------------|----------------|-----------------------|-------------------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 0.26           | 1.3            | 6.5                   | Not Detected      |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 0.17           | 0.34           | 0.86                  | 0.31 J            |
| 1,2-Dichlorobenzene              | 95-50-1    | 0.32           | 0.42           | 1.0                   | Not Detected      |
| 1,2-Dichloropropane              | 78-87-5    | 0.18           | 0.32           | 0.81                  | Not Detected      |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 0.15           | 0.34           | 0.86                  | Not Detected      |
| 1,3-Butadiene                    | 106-99-0   | 0.056          | 0.15           | 0.39                  | Not Detected      |
| 1,3-Dichlorobenzene              | 541-73-1   | 0.14           | 0.42           | 1.0                   | Not Detected      |
| 1,4-Dioxane                      | 123-91-1   | 0.19           | 0.25           | 0.63                  | Not Detected      |
| 2,2,4-Trimethylpentane           | 540-84-1   | 0.52           | 0.82           | 4.1                   | Not Detected      |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 0.18           | 0.52           | 2.6                   | 1.5 J             |
| 2-Hexanone                       | 591-78-6   | 0.38           | 0.72           | 3.6                   | Not Detected      |
| 2-Propanol                       | 67-63-0    | 0.16           | 0.43           | 2.2                   | 1.8 J             |
| 3-Chloropropene                  | 107-05-1   | 0.19           | 0.55           | 2.7                   | Not Detected      |
| 4-Ethyltoluene                   | 622-96-8   | 0.18           | 0.34           | 0.86                  | 0.25 J            |
| 4-Methyl-2-pentanone             | 108-10-1   | 0.13           | 0.29           | 0.72                  | Not Detected      |
| Acetone                          | 67-64-1    | 0.28           | 0.42           | 2.1                   | 15                |
| alpha-Chlorotoluene              | 100-44-7   | 0.19           | 0.36           | 0.90                  | Not Detected      |
| Bromodichloromethane             | 75-27-4    | 0.18           | 0.47           | 1.2                   | Not Detected      |
| Bromoform                        | 75-25-2    | 0.34           | 0.72           | 1.8                   | Not Detected      |
| Bromomethane                     | 74-83-9    | 1.0            | 1.0            | 3.4                   | Not Detected      |
| Carbon Disulfide                 | 75-15-0    | 0.22           | 0.54           | 2.7                   | Not Detected      |
| Chlorobenzene                    | 108-90-7   | 0.20           | 0.32           | 0.80                  | Not Detected      |
| cis-1,3-Dichloropropene          | 10061-01-5 | 0.17           | 0.32           | 0.79                  | Not Detected      |
| Cumene                           | 98-82-8    | 0.14           | 0.34           | 0.86                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                      |
|---------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | A-4                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 06:07 PM     |
| <b>Lab ID:</b>            | 1609617AR2-01A                         | <b>Dilution Factor:</b>      | 1.75                 |
| <b>Date/Time Collecte</b> | 9/21/16 09:34 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092816r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                      | CAS#          | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------------|---------------|----------------|----------------|-----------------------|-------------------|
| Cyclohexane                   | 110-82-7      | 0.10           | 0.24           | 0.60                  | 0.14 J            |
| Dibromochloromethane          | 124-48-1      | 0.24           | 0.60           | 1.5                   | Not Detected      |
| Ethanol                       | 64-17-5       | 0.35           | 0.35           | 1.6                   | 36                |
| Freon 11                      | 75-69-4       | 0.12           | 0.39           | 0.98                  | 1.4               |
| Freon 113                     | 76-13-1       | 0.38           | 0.54           | 1.3                   | 0.68 J            |
| Heptane                       | 142-82-5      | 0.16           | 0.29           | 0.72                  | 0.44 J            |
| Hexachlorobutadiene           | 87-68-3       | 0.47           | 1.9            | 9.3                   | Not Detected      |
| Hexane                        | 110-54-3      | 0.13           | 0.25           | 0.62                  | 0.44 J            |
| Methylene Chloride            | 75-09-2       | 0.092          | 0.24           | 1.2                   | 0.99 J            |
| Propylbenzene                 | 103-65-1      | 0.16           | 0.34           | 0.86                  | Not Detected      |
| Styrene                       | 100-42-5      | 0.076          | 0.30           | 0.74                  | Not Detected      |
| Tetrahydrofuran               | 109-99-9      | 0.44           | 0.52           | 2.6                   | Not Detected      |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | NA             | D              | 72                    | Not Detected      |
| trans-1,3-Dichloropropene     | 10061-02-6    | 0.17           | 0.32           | 0.79                  | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 116       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 94        |
| Toluene-d8            | 2037-26-5  | 70-130 | 94        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-4                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 06:07 PM        |
| <b>Lab ID:</b>            | 1609617AR2-01B                         | <b>Dilution Factor:</b>      | 1.75                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:34 AM                       | <b>Instrument/File Name:</b> | msd20.i / 20092816simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound                  | CAS#      | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|-----------|----------------|----------------|-----------------------|-------------------|
| 1,1,1-Trichloroethane     | 71-55-6   | 0.0080         | 0.048          | 0.19                  | 0.041 J           |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 0.0078         | 0.060          | 0.24                  | Not Detected      |
| 1,1,2-Trichloroethane     | 79-00-5   | 0.018          | 0.048          | 0.19                  | Not Detected      |
| 1,1-Dichloroethane        | 75-34-3   | 0.0051         | 0.035          | 0.14                  | Not Detected      |
| 1,1-Dichloroethene        | 75-35-4   | 0.0062         | 0.035          | 0.069                 | Not Detected      |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 0.0073         | 0.067          | 0.27                  | Not Detected      |
| 1,2-Dichloroethane        | 107-06-2  | 0.0077         | 0.035          | 0.14                  | 0.058 J           |
| 1,4-Dichlorobenzene       | 106-46-7  | 0.012          | 0.053          | 0.21                  | 0.040 J           |
| Benzene                   | 71-43-2   | 0.0041         | 0.028          | 0.28                  | 0.26 J            |
| Carbon Tetrachloride      | 56-23-5   | 0.014          | 0.055          | 0.22                  | 0.50              |
| Chloroethane              | 75-00-3   | 0.034          | 0.034          | 0.23                  | 0.070 J           |
| Chloroform                | 67-66-3   | 0.0055         | 0.043          | 0.17                  | 0.091 J           |
| Chloromethane             | 74-87-3   | 0.026          | 0.026          | 0.18                  | 1.0               |
| cis-1,2-Dichloroethene    | 156-59-2  | 0.0073         | 0.035          | 0.14                  | 0.74              |
| Ethyl Benzene             | 100-41-4  | 0.0069         | 0.038          | 0.15                  | 1.9               |
| Freon 114                 | 76-14-2   | 0.017          | 0.061          | 0.24                  | 0.12 J            |
| Freon 12                  | 75-71-8   | 0.013          | 0.043          | 0.17                  | 2.7               |
| m,p-Xylene                | 108-38-3  | 0.010          | 0.038          | 0.30                  | 8.6               |
| Methyl tert-butyl ether   | 1634-04-4 | 0.0033         | 0.032          | 0.63                  | Not Detected      |
| Naphthalene               | 91-20-3   | 0.012          | 0.037          | 0.46                  | 0.065 J           |
| o-Xylene                  | 95-47-6   | 0.0095         | 0.038          | 0.15                  | 3.2               |
| Tetrachloroethene         | 127-18-4  | 0.012          | 0.059          | 0.24                  | 0.31              |
| Toluene                   | 108-88-3  | 0.0058         | 0.033          | 0.13                  | 13                |
| trans-1,2-Dichloroethene  | 156-60-5  | 0.0076         | 0.035          | 0.69                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-4                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 06:07 PM        |
| <b>Lab ID:</b>            | 1609617AR2-01B                         | <b>Dilution Factor:</b>      | 1.75                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:34 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092816simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound        | CAS#    | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-----------------|---------|----------------|----------------|-----------------------|-------------------|
| Trichloroethene | 79-01-6 | 0.0073         | 0.047          | 0.19                  | 0.29              |
| Vinyl Chloride  | 75-01-4 | 0.0066         | 0.022          | 0.045                 | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 118       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 98        |
| Toluene-d8            | 2037-26-5  | 70-130 | 96        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                             |                                        |                              |                      |
|-----------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>           | A-5                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 06:58 PM     |
| <b>Lab ID:</b>              | 1609617AR2-02A                         | <b>Dilution Factor:</b>      | 1.71                 |
| <b>Date/Time Collected:</b> | 9/21/16 09:37 AM                       | <b>Instrument/File Name:</b> | msd20.i / 20092817r1 |
| <b>Media:</b>               | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                         | CAS#       | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|------------|----------------|----------------|-----------------------|-------------------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 0.26           | 1.3            | 6.3                   | Not Detected      |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 0.16           | 0.34           | 0.84                  | Not Detected      |
| 1,2-Dichlorobenzene              | 95-50-1    | 0.32           | 0.41           | 1.0                   | Not Detected      |
| 1,2-Dichloropropane              | 78-87-5    | 0.17           | 0.32           | 0.79                  | Not Detected      |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 0.15           | 0.34           | 0.84                  | Not Detected      |
| 1,3-Butadiene                    | 106-99-0   | 0.055          | 0.15           | 0.38                  | Not Detected      |
| 1,3-Dichlorobenzene              | 541-73-1   | 0.13           | 0.41           | 1.0                   | Not Detected      |
| 1,4-Dioxane                      | 123-91-1   | 0.18           | 0.25           | 0.62                  | Not Detected      |
| 2,2,4-Trimethylpentane           | 540-84-1   | 0.51           | 0.80           | 4.0                   | Not Detected      |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 0.18           | 0.50           | 2.5                   | 2.4 J             |
| 2-Hexanone                       | 591-78-6   | 0.37           | 0.70           | 3.5                   | Not Detected      |
| 2-Propanol                       | 67-63-0    | 0.16           | 0.42           | 2.1                   | 1.2 J             |
| 3-Chloropropene                  | 107-05-1   | 0.19           | 0.54           | 2.7                   | Not Detected      |
| 4-Ethyltoluene                   | 622-96-8   | 0.18           | 0.34           | 0.84                  | Not Detected      |
| 4-Methyl-2-pentanone             | 108-10-1   | 0.13           | 0.28           | 0.70                  | Not Detected      |
| Acetone                          | 67-64-1    | 0.28           | 0.41           | 2.0                   | 12                |
| alpha-Chlorotoluene              | 100-44-7   | 0.19           | 0.35           | 0.88                  | Not Detected      |
| Bromodichloromethane             | 75-27-4    | 0.18           | 0.46           | 1.1                   | Not Detected      |
| Bromoform                        | 75-25-2    | 0.33           | 0.71           | 1.8                   | Not Detected      |
| Bromomethane                     | 74-83-9    | 1.0            | 1.0            | 3.3                   | Not Detected      |
| Carbon Disulfide                 | 75-15-0    | 0.21           | 0.53           | 2.7                   | Not Detected      |
| Chlorobenzene                    | 108-90-7   | 0.20           | 0.31           | 0.79                  | Not Detected      |
| cis-1,3-Dichloropropene          | 10061-01-5 | 0.16           | 0.31           | 0.78                  | Not Detected      |
| Cumene                           | 98-82-8    | 0.13           | 0.34           | 0.84                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                      |
|---------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | A-5                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 06:58 PM     |
| <b>Lab ID:</b>            | 1609617AR2-02A                         | <b>Dilution Factor:</b>      | 1.71                 |
| <b>Date/Time Collecte</b> | 9/21/16 09:37 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092817r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                      | CAS#          | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------------|---------------|----------------|----------------|-----------------------|-------------------|
| Cyclohexane                   | 110-82-7      | 0.099          | 0.24           | 0.59                  | Not Detected      |
| Dibromochloromethane          | 124-48-1      | 0.24           | 0.58           | 1.4                   | Not Detected      |
| Ethanol                       | 64-17-5       | 0.34           | 0.34           | 1.6                   | 5.4               |
| Freon 11                      | 75-69-4       | 0.12           | 0.38           | 0.96                  | 1.4               |
| Freon 113                     | 76-13-1       | 0.37           | 0.52           | 1.3                   | 0.54 J            |
| Heptane                       | 142-82-5      | 0.16           | 0.28           | 0.70                  | Not Detected      |
| Hexachlorobutadiene           | 87-68-3       | 0.46           | 1.8            | 9.1                   | Not Detected      |
| Hexane                        | 110-54-3      | 0.12           | 0.24           | 0.60                  | 0.13 J            |
| Methylene Chloride            | 75-09-2       | 0.090          | 0.24           | 1.2                   | 0.82 J            |
| Propylbenzene                 | 103-65-1      | 0.15           | 0.34           | 0.84                  | Not Detected      |
| Styrene                       | 100-42-5      | 0.074          | 0.29           | 0.73                  | Not Detected      |
| Tetrahydrofuran               | 109-99-9      | 0.43           | 0.50           | 2.5                   | Not Detected      |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | NA             | D              | 70                    | Not Detected      |
| trans-1,3-Dichloropropene     | 10061-02-6    | 0.17           | 0.31           | 0.78                  | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 107       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 98        |
| Toluene-d8            | 2037-26-5  | 70-130 | 98        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-5                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 06:58 PM        |
| <b>Lab ID:</b>            | 1609617AR2-02B                         | <b>Dilution Factor:</b>      | 1.71                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:37 AM                       | <b>Instrument/File Name:</b> | msd20.i / 20092817simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound                  | CAS#      | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|-----------|----------------|----------------|-----------------------|-------------------|
| 1,1,1-Trichloroethane     | 71-55-6   | 0.0078         | 0.047          | 0.19                  | 0.026 J           |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 0.0076         | 0.059          | 0.23                  | Not Detected      |
| 1,1,2-Trichloroethane     | 79-00-5   | 0.017          | 0.047          | 0.19                  | Not Detected      |
| 1,1-Dichloroethane        | 75-34-3   | 0.0050         | 0.035          | 0.14                  | Not Detected      |
| 1,1-Dichloroethene        | 75-35-4   | 0.0060         | 0.034          | 0.068                 | Not Detected      |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 0.0071         | 0.066          | 0.26                  | Not Detected      |
| 1,2-Dichloroethane        | 107-06-2  | 0.0075         | 0.035          | 0.14                  | 0.049 J           |
| 1,4-Dichlorobenzene       | 106-46-7  | 0.011          | 0.051          | 0.20                  | 0.021 J           |
| Benzene                   | 71-43-2   | 0.0040         | 0.027          | 0.27                  | 0.19 J            |
| Carbon Tetrachloride      | 56-23-5   | 0.014          | 0.054          | 0.22                  | 0.50              |
| Chloroethane              | 75-00-3   | 0.033          | 0.033          | 0.22                  | 0.045 J           |
| Chloroform                | 67-66-3   | 0.0053         | 0.042          | 0.17                  | 0.078 J           |
| Chloromethane             | 74-87-3   | 0.026          | 0.026          | 0.18                  | 0.93              |
| cis-1,2-Dichloroethene    | 156-59-2  | 0.0071         | 0.034          | 0.14                  | Not Detected      |
| Ethyl Benzene             | 100-41-4  | 0.0068         | 0.037          | 0.15                  | 0.077 J           |
| Freon 114                 | 76-14-2   | 0.016          | 0.060          | 0.24                  | 0.12 J            |
| Freon 12                  | 75-71-8   | 0.013          | 0.042          | 0.17                  | 2.7               |
| m,p-Xylene                | 108-38-3  | 0.0097         | 0.037          | 0.30                  | 0.24 J            |
| Methyl tert-butyl ether   | 1634-04-4 | 0.0032         | 0.031          | 0.62                  | Not Detected      |
| Naphthalene               | 91-20-3   | 0.012          | 0.036          | 0.45                  | 0.10 J            |
| o-Xylene                  | 95-47-6   | 0.0093         | 0.037          | 0.15                  | 0.073 J           |
| Tetrachloroethene         | 127-18-4  | 0.011          | 0.058          | 0.23                  | 0.030 J           |
| Toluene                   | 108-88-3  | 0.0057         | 0.032          | 0.13                  | 0.60              |
| trans-1,2-Dichloroethene  | 156-60-5  | 0.0074         | 0.034          | 0.68                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-5                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 06:58 PM        |
| <b>Lab ID:</b>            | 1609617AR2-02B                         | <b>Dilution Factor:</b>      | 1.71                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:37 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092817simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound        | CAS#    | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-----------------|---------|----------------|----------------|-----------------------|-------------------|
| Trichloroethene | 79-01-6 | 0.0072         | 0.046          | 0.18                  | Not Detected      |
| Vinyl Chloride  | 75-01-4 | 0.0065         | 0.022          | 0.044                 | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 118       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 98        |
| Toluene-d8            | 2037-26-5  | 70-130 | 99        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                      |
|---------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | A-7                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 07:40 PM     |
| <b>Lab ID:</b>            | 1609617AR2-03A                         | <b>Dilution Factor:</b>      | 1.64                 |
| <b>Date/Time Collecte</b> | 9/21/16 09:40 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092818r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                         | CAS#       | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|------------|----------------|----------------|-----------------------|-------------------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 0.24           | 1.2            | 6.1                   | Not Detected      |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 0.16           | 0.32           | 0.81                  | 0.42 J            |
| 1,2-Dichlorobenzene              | 95-50-1    | 0.30           | 0.39           | 0.99                  | Not Detected      |
| 1,2-Dichloropropane              | 78-87-5    | 0.16           | 0.30           | 0.76                  | Not Detected      |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 0.14           | 0.32           | 0.81                  | 0.18 J            |
| 1,3-Butadiene                    | 106-99-0   | 0.053          | 0.14           | 0.36                  | Not Detected      |
| 1,3-Dichlorobenzene              | 541-73-1   | 0.13           | 0.39           | 0.99                  | Not Detected      |
| 1,4-Dioxane                      | 123-91-1   | 0.18           | 0.24           | 0.59                  | Not Detected      |
| 2,2,4-Trimethylpentane           | 540-84-1   | 0.49           | 0.77           | 3.8                   | Not Detected      |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 0.17           | 0.48           | 2.4                   | 0.78 J            |
| 2-Hexanone                       | 591-78-6   | 0.35           | 0.67           | 3.4                   | Not Detected      |
| 2-Propanol                       | 67-63-0    | 0.15           | 0.40           | 2.0                   | 0.84 J            |
| 3-Chloropropene                  | 107-05-1   | 0.18           | 0.51           | 2.6                   | Not Detected      |
| 4-Ethyltoluene                   | 622-96-8   | 0.17           | 0.32           | 0.81                  | 0.43 J            |
| 4-Methyl-2-pentanone             | 108-10-1   | 0.12           | 0.27           | 0.67                  | Not Detected      |
| Acetone                          | 67-64-1    | 0.26           | 0.39           | 1.9                   | 9.8               |
| alpha-Chlorotoluene              | 100-44-7   | 0.18           | 0.34           | 0.85                  | Not Detected      |
| Bromodichloromethane             | 75-27-4    | 0.17           | 0.44           | 1.1                   | Not Detected      |
| Bromoform                        | 75-25-2    | 0.31           | 0.68           | 1.7                   | Not Detected      |
| Bromomethane                     | 74-83-9    | 0.98           | 0.98           | 3.2                   | Not Detected      |
| Carbon Disulfide                 | 75-15-0    | 0.20           | 0.51           | 2.6                   | Not Detected      |
| Chlorobenzene                    | 108-90-7   | 0.19           | 0.30           | 0.76                  | Not Detected      |
| cis-1,3-Dichloropropene          | 10061-01-5 | 0.16           | 0.30           | 0.74                  | Not Detected      |
| Cumene                           | 98-82-8    | 0.13           | 0.32           | 0.81                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                      |
|---------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | A-7                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 07:40 PM     |
| <b>Lab ID:</b>            | 1609617AR2-03A                         | <b>Dilution Factor:</b>      | 1.64                 |
| <b>Date/Time Collecte</b> | 9/21/16 09:40 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092818r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                      | CAS#          | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------------|---------------|----------------|----------------|-----------------------|-------------------|
| Cyclohexane                   | 110-82-7      | 0.095          | 0.22           | 0.56                  | 0.29 J            |
| Dibromochloromethane          | 124-48-1      | 0.23           | 0.56           | 1.4                   | Not Detected      |
| Ethanol                       | 64-17-5       | 0.33           | 0.33           | 1.5                   | 9.1               |
| Freon 11                      | 75-69-4       | 0.12           | 0.37           | 0.92                  | 1.5               |
| Freon 113                     | 76-13-1       | 0.35           | 0.50           | 1.2                   | 0.55 J            |
| Heptane                       | 142-82-5      | 0.15           | 0.27           | 0.67                  | 0.51 J            |
| Hexachlorobutadiene           | 87-68-3       | 0.44           | 1.7            | 8.7                   | Not Detected      |
| Hexane                        | 110-54-3      | 0.12           | 0.23           | 0.58                  | 0.61              |
| Methylene Chloride            | 75-09-2       | 0.086          | 0.23           | 1.1                   | 0.94 J            |
| Propylbenzene                 | 103-65-1      | 0.15           | 0.32           | 0.81                  | Not Detected      |
| Styrene                       | 100-42-5      | 0.071          | 0.28           | 0.70                  | Not Detected      |
| Tetrahydrofuran               | 109-99-9      | 0.42           | 0.48           | 2.4                   | Not Detected      |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | NA             | D              | 67                    | Not Detected      |
| trans-1,3-Dichloropropene     | 10061-02-6    | 0.16           | 0.30           | 0.74                  | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 116       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 96        |
| Toluene-d8            | 2037-26-5  | 70-130 | 94        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-7                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 07:40 PM        |
| <b>Lab ID:</b>            | 1609617AR2-03B                         | <b>Dilution Factor:</b>      | 1.64                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:40 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092818simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound                  | CAS#      | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|-----------|----------------|----------------|-----------------------|-------------------|
| 1,1,1-Trichloroethane     | 71-55-6   | 0.0075         | 0.045          | 0.18                  | 0.017 J           |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 0.0073         | 0.056          | 0.22                  | Not Detected      |
| 1,1,2-Trichloroethane     | 79-00-5   | 0.016          | 0.045          | 0.18                  | Not Detected      |
| 1,1-Dichloroethane        | 75-34-3   | 0.0048         | 0.033          | 0.13                  | Not Detected      |
| 1,1-Dichloroethene        | 75-35-4   | 0.0058         | 0.032          | 0.065                 | Not Detected      |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 0.0068         | 0.063          | 0.25                  | Not Detected      |
| 1,2-Dichloroethane        | 107-06-2  | 0.0072         | 0.033          | 0.13                  | 0.046 J           |
| 1,4-Dichlorobenzene       | 106-46-7  | 0.011          | 0.049          | 0.20                  | Not Detected      |
| Benzene                   | 71-43-2   | 0.0038         | 0.026          | 0.26                  | 1.2               |
| Carbon Tetrachloride      | 56-23-5   | 0.013          | 0.052          | 0.21                  | 0.50              |
| Chloroethane              | 75-00-3   | 0.031          | 0.031          | 0.22                  | Not Detected      |
| Chloroform                | 67-66-3   | 0.0051         | 0.040          | 0.16                  | 0.080 J           |
| Chloromethane             | 74-87-3   | 0.024          | 0.024          | 0.17                  | 0.97              |
| cis-1,2-Dichloroethene    | 156-59-2  | 0.0068         | 0.032          | 0.13                  | Not Detected      |
| Ethyl Benzene             | 100-41-4  | 0.0065         | 0.036          | 0.14                  | 0.38              |
| Freon 114                 | 76-14-2   | 0.016          | 0.057          | 0.23                  | 0.12 J            |
| Freon 12                  | 75-71-8   | 0.012          | 0.040          | 0.16                  | 2.7               |
| m,p-Xylene                | 108-38-3  | 0.0093         | 0.036          | 0.28                  | 1.2               |
| Methyl tert-butyl ether   | 1634-04-4 | 0.0031         | 0.030          | 0.59                  | Not Detected      |
| Naphthalene               | 91-20-3   | 0.012          | 0.034          | 0.43                  | 0.17 J            |
| o-Xylene                  | 95-47-6   | 0.0089         | 0.036          | 0.14                  | 0.42              |
| Tetrachloroethene         | 127-18-4  | 0.011          | 0.056          | 0.22                  | 0.048 J           |
| Toluene                   | 108-88-3  | 0.0054         | 0.031          | 0.12                  | 3.6               |
| trans-1,2-Dichloroethene  | 156-60-5  | 0.0072         | 0.032          | 0.65                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-7                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 07:40 PM        |
| <b>Lab ID:</b>            | 1609617AR2-03B                         | <b>Dilution Factor:</b>      | 1.64                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:40 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092818simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound        | CAS#    | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-----------------|---------|----------------|----------------|-----------------------|-------------------|
| Trichloroethene | 79-01-6 | 0.0069         | 0.044          | 0.18                  | Not Detected      |
| Vinyl Chloride  | 75-01-4 | 0.0062         | 0.021          | 0.042                 | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 120       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 96        |
| Toluene-d8            | 2037-26-5  | 70-130 | 97        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                      |
|---------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | A-6                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 08:19 PM     |
| <b>Lab ID:</b>            | 1609617AR2-04A                         | <b>Dilution Factor:</b>      | 1.64                 |
| <b>Date/Time Collecte</b> | 9/21/16 09:41 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092819r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                         | CAS#       | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|------------|----------------|----------------|-----------------------|-------------------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 0.24           | 1.2            | 6.1                   | Not Detected      |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 0.16           | 0.32           | 0.81                  | 0.83              |
| 1,2-Dichlorobenzene              | 95-50-1    | 0.30           | 0.39           | 0.99                  | Not Detected      |
| 1,2-Dichloropropane              | 78-87-5    | 0.16           | 0.30           | 0.76                  | Not Detected      |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 0.14           | 0.32           | 0.81                  | 0.18 J            |
| 1,3-Butadiene                    | 106-99-0   | 0.053          | 0.14           | 0.36                  | Not Detected      |
| 1,3-Dichlorobenzene              | 541-73-1   | 0.13           | 0.39           | 0.99                  | Not Detected      |
| 1,4-Dioxane                      | 123-91-1   | 0.18           | 0.24           | 0.59                  | Not Detected      |
| 2,2,4-Trimethylpentane           | 540-84-1   | 0.49           | 0.77           | 3.8                   | 0.73 J            |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 0.17           | 0.48           | 2.4                   | 5.3               |
| 2-Hexanone                       | 591-78-6   | 0.35           | 0.67           | 3.4                   | 0.46 J            |
| 2-Propanol                       | 67-63-0    | 0.15           | 0.40           | 2.0                   | 3.6               |
| 3-Chloropropene                  | 107-05-1   | 0.18           | 0.51           | 2.6                   | Not Detected      |
| 4-Ethyltoluene                   | 622-96-8   | 0.17           | 0.32           | 0.81                  | 0.43 J            |
| 4-Methyl-2-pentanone             | 108-10-1   | 0.12           | 0.27           | 0.67                  | Not Detected      |
| Acetone                          | 67-64-1    | 0.26           | 0.39           | 1.9                   | 38                |
| alpha-Chlorotoluene              | 100-44-7   | 0.18           | 0.34           | 0.85                  | Not Detected      |
| Bromodichloromethane             | 75-27-4    | 0.17           | 0.44           | 1.1                   | Not Detected      |
| Bromoform                        | 75-25-2    | 0.31           | 0.68           | 1.7                   | Not Detected      |
| Bromomethane                     | 74-83-9    | 0.98           | 0.98           | 3.2                   | Not Detected      |
| Carbon Disulfide                 | 75-15-0    | 0.20           | 0.51           | 2.6                   | Not Detected      |
| Chlorobenzene                    | 108-90-7   | 0.19           | 0.30           | 0.76                  | Not Detected      |
| cis-1,3-Dichloropropene          | 10061-01-5 | 0.16           | 0.30           | 0.74                  | Not Detected      |
| Cumene                           | 98-82-8    | 0.13           | 0.32           | 0.81                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                      |
|---------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | A-6                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 08:19 PM     |
| <b>Lab ID:</b>            | 1609617AR2-04A                         | <b>Dilution Factor:</b>      | 1.64                 |
| <b>Date/Time Collecte</b> | 9/21/16 09:41 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092819r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                      | CAS#          | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------------|---------------|----------------|----------------|-----------------------|-------------------|
| Cyclohexane                   | 110-82-7      | 0.095          | 0.22           | 0.56                  | 0.28 J            |
| Dibromochloromethane          | 124-48-1      | 0.23           | 0.56           | 1.4                   | Not Detected      |
| Ethanol                       | 64-17-5       | 0.33           | 0.33           | 1.5                   | 20                |
| Freon 11                      | 75-69-4       | 0.12           | 0.37           | 0.92                  | 1.5               |
| Freon 113                     | 76-13-1       | 0.35           | 0.50           | 1.2                   | 0.51 J            |
| Heptane                       | 142-82-5      | 0.15           | 0.27           | 0.67                  | 0.88              |
| Hexachlorobutadiene           | 87-68-3       | 0.44           | 1.7            | 8.7                   | Not Detected      |
| Hexane                        | 110-54-3      | 0.12           | 0.23           | 0.58                  | 0.23 J            |
| Methylene Chloride            | 75-09-2       | 0.086          | 0.23           | 1.1                   | 1.2               |
| Propylbenzene                 | 103-65-1      | 0.15           | 0.32           | 0.81                  | 0.21 J            |
| Styrene                       | 100-42-5      | 0.071          | 0.28           | 0.70                  | Not Detected      |
| Tetrahydrofuran               | 109-99-9      | 0.42           | 0.48           | 2.4                   | 7.9               |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | NA             | D              | 67                    | 65                |
| trans-1,3-Dichloropropene     | 10061-02-6    | 0.16           | 0.30           | 0.74                  | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 108       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 96        |
| Toluene-d8            | 2037-26-5  | 70-130 | 88        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-6                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 08:19 PM        |
| <b>Lab ID:</b>            | 1609617AR2-04B                         | <b>Dilution Factor:</b>      | 1.64                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:41 AM                       | <b>Instrument/File Name:</b> | msd20.i / 20092819simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound                  | CAS#      | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|-----------|----------------|----------------|-----------------------|-------------------|
| 1,1,1-Trichloroethane     | 71-55-6   | 0.0075         | 0.045          | 0.18                  | 0.016 J           |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 0.0073         | 0.056          | 0.22                  | Not Detected      |
| 1,1,2-Trichloroethane     | 79-00-5   | 0.016          | 0.045          | 0.18                  | Not Detected      |
| 1,1-Dichloroethane        | 75-34-3   | 0.0048         | 0.033          | 0.13                  | Not Detected      |
| 1,1-Dichloroethene        | 75-35-4   | 0.0058         | 0.032          | 0.065                 | Not Detected      |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 0.0068         | 0.063          | 0.25                  | Not Detected      |
| 1,2-Dichloroethane        | 107-06-2  | 0.0072         | 0.033          | 0.13                  | 0.094 J           |
| 1,4-Dichlorobenzene       | 106-46-7  | 0.011          | 0.049          | 0.20                  | 0.030 J           |
| Benzene                   | 71-43-2   | 0.0038         | 0.026          | 0.26                  | 0.30              |
| Carbon Tetrachloride      | 56-23-5   | 0.013          | 0.052          | 0.21                  | 0.48              |
| Chloroethane              | 75-00-3   | 0.031          | 0.031          | 0.22                  | 0.047 J           |
| Chloroform                | 67-66-3   | 0.0051         | 0.040          | 0.16                  | 0.12 J            |
| Chloromethane             | 74-87-3   | 0.024          | 0.024          | 0.17                  | 0.92              |
| cis-1,2-Dichloroethene    | 156-59-2  | 0.0068         | 0.032          | 0.13                  | Not Detected      |
| Ethyl Benzene             | 100-41-4  | 0.0065         | 0.036          | 0.14                  | 0.52              |
| Freon 114                 | 76-14-2   | 0.016          | 0.057          | 0.23                  | 0.12 J            |
| Freon 12                  | 75-71-8   | 0.012          | 0.040          | 0.16                  | 2.4               |
| m,p-Xylene                | 108-38-3  | 0.0093         | 0.036          | 0.28                  | 2.0               |
| Methyl tert-butyl ether   | 1634-04-4 | 0.0031         | 0.030          | 0.59                  | Not Detected      |
| Naphthalene               | 91-20-3   | 0.012          | 0.034          | 0.43                  | 0.84              |
| o-Xylene                  | 95-47-6   | 0.0089         | 0.036          | 0.14                  | 0.80              |
| Tetrachloroethene         | 127-18-4  | 0.011          | 0.056          | 0.22                  | 0.091 J           |
| Toluene                   | 108-88-3  | 0.0054         | 0.031          | 0.12                  | 9.2               |
| trans-1,2-Dichloroethene  | 156-60-5  | 0.0072         | 0.032          | 0.65                  | 0.053 J           |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-6                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 08:19 PM        |
| <b>Lab ID:</b>            | 1609617AR2-04B                         | <b>Dilution Factor:</b>      | 1.64                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:41 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092819simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound        | CAS#    | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-----------------|---------|----------------|----------------|-----------------------|-------------------|
| Trichloroethene | 79-01-6 | 0.0069         | 0.044          | 0.18                  | 0.067 J           |
| Vinyl Chloride  | 75-01-4 | 0.0062         | 0.021          | 0.042                 | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 113       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 99        |
| Toluene-d8            | 2037-26-5  | 70-130 | 90        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                             |                                        |                              |                      |
|-----------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>           | A-8                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 08:58 PM     |
| <b>Lab ID:</b>              | 1609617AR2-05A                         | <b>Dilution Factor:</b>      | 1.79                 |
| <b>Date/Time Collected:</b> | 9/21/16 09:42 AM                       | <b>Instrument/File Name:</b> | msd20.i / 20092820r1 |
| <b>Media:</b>               | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                         | CAS#       | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|------------|----------------|----------------|-----------------------|-------------------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 0.27           | 1.3            | 6.6                   | Not Detected      |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 0.17           | 0.35           | 0.88                  | Not Detected      |
| 1,2-Dichlorobenzene              | 95-50-1    | 0.33           | 0.43           | 1.1                   | Not Detected      |
| 1,2-Dichloropropane              | 78-87-5    | 0.18           | 0.33           | 0.83                  | Not Detected      |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 0.15           | 0.35           | 0.88                  | Not Detected      |
| 1,3-Butadiene                    | 106-99-0   | 0.058          | 0.16           | 0.40                  | Not Detected      |
| 1,3-Dichlorobenzene              | 541-73-1   | 0.14           | 0.43           | 1.1                   | Not Detected      |
| 1,4-Dioxane                      | 123-91-1   | 0.19           | 0.26           | 0.64                  | Not Detected      |
| 2,2,4-Trimethylpentane           | 540-84-1   | 0.53           | 0.84           | 4.2                   | 18                |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 0.19           | 0.53           | 2.6                   | 1.7 J             |
| 2-Hexanone                       | 591-78-6   | 0.38           | 0.73           | 3.7                   | Not Detected      |
| 2-Propanol                       | 67-63-0    | 0.17           | 0.44           | 2.2                   | 4.1               |
| 3-Chloropropene                  | 107-05-1   | 0.20           | 0.56           | 2.8                   | Not Detected      |
| 4-Ethyltoluene                   | 622-96-8   | 0.18           | 0.35           | 0.88                  | Not Detected      |
| 4-Methyl-2-pentanone             | 108-10-1   | 0.13           | 0.29           | 0.73                  | Not Detected      |
| Acetone                          | 67-64-1    | 0.29           | 0.42           | 2.1                   | 15                |
| alpha-Chlorotoluene              | 100-44-7   | 0.20           | 0.37           | 0.93                  | Not Detected      |
| Bromodichloromethane             | 75-27-4    | 0.18           | 0.48           | 1.2                   | Not Detected      |
| Bromoform                        | 75-25-2    | 0.34           | 0.74           | 1.8                   | Not Detected      |
| Bromomethane                     | 74-83-9    | 1.1            | 1.1            | 3.5                   | Not Detected      |
| Carbon Disulfide                 | 75-15-0    | 0.22           | 0.56           | 2.8                   | Not Detected      |
| Chlorobenzene                    | 108-90-7   | 0.21           | 0.33           | 0.82                  | Not Detected      |
| cis-1,3-Dichloropropene          | 10061-01-5 | 0.17           | 0.32           | 0.81                  | Not Detected      |
| Cumene                           | 98-82-8    | 0.14           | 0.35           | 0.88                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                      |
|---------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | A-8                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 08:58 PM     |
| <b>Lab ID:</b>            | 1609617AR2-05A                         | <b>Dilution Factor:</b>      | 1.79                 |
| <b>Date/Time Collecte</b> | 9/21/16 09:42 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092820r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                      | CAS#          | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------------|---------------|----------------|----------------|-----------------------|-------------------|
| Cyclohexane                   | 110-82-7      | 0.10           | 0.25           | 0.62                  | Not Detected      |
| Dibromochloromethane          | 124-48-1      | 0.25           | 0.61           | 1.5                   | Not Detected      |
| Ethanol                       | 64-17-5       | 0.36           | 0.36           | 1.7                   | 7.4               |
| Freon 11                      | 75-69-4       | 0.13           | 0.40           | 1.0                   | 1.4               |
| Freon 113                     | 76-13-1       | 0.38           | 0.55           | 1.4                   | 0.59 J            |
| Heptane                       | 142-82-5      | 0.17           | 0.29           | 0.73                  | Not Detected      |
| Hexachlorobutadiene           | 87-68-3       | 0.48           | 1.9            | 9.5                   | Not Detected      |
| Hexane                        | 110-54-3      | 0.13           | 0.25           | 0.63                  | 0.33 J            |
| Methylene Chloride            | 75-09-2       | 0.094          | 0.25           | 1.2                   | 1.3               |
| Propylbenzene                 | 103-65-1      | 0.16           | 0.35           | 0.88                  | Not Detected      |
| Styrene                       | 100-42-5      | 0.078          | 0.30           | 0.76                  | Not Detected      |
| Tetrahydrofuran               | 109-99-9      | 0.45           | 0.53           | 2.6                   | Not Detected      |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | NA             | D              | 73                    | 110               |
| trans-1,3-Dichloropropene     | 10061-02-6    | 0.17           | 0.32           | 0.81                  | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 118       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 95        |
| Toluene-d8            | 2037-26-5  | 70-130 | 97        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-8                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 08:58 PM        |
| <b>Lab ID:</b>            | 1609617AR2-05B                         | <b>Dilution Factor:</b>      | 1.79                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:42 AM                       | <b>Instrument/File Name:</b> | msd20.i / 20092820simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound                  | CAS#      | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|-----------|----------------|----------------|-----------------------|-------------------|
| 1,1,1-Trichloroethane     | 71-55-6   | 0.0082         | 0.049          | 0.20                  | 0.026 J           |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 0.0080         | 0.061          | 0.24                  | Not Detected      |
| 1,1,2-Trichloroethane     | 79-00-5   | 0.018          | 0.049          | 0.20                  | Not Detected      |
| 1,1-Dichloroethane        | 75-34-3   | 0.0052         | 0.036          | 0.14                  | Not Detected      |
| 1,1-Dichloroethene        | 75-35-4   | 0.0063         | 0.035          | 0.071                 | Not Detected      |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 0.0074         | 0.069          | 0.28                  | Not Detected      |
| 1,2-Dichloroethane        | 107-06-2  | 0.0079         | 0.036          | 0.14                  | 0.070 J           |
| 1,4-Dichlorobenzene       | 106-46-7  | 0.012          | 0.054          | 0.22                  | 0.025 J           |
| Benzene                   | 71-43-2   | 0.0042         | 0.028          | 0.28                  | 0.30              |
| Carbon Tetrachloride      | 56-23-5   | 0.014          | 0.056          | 0.22                  | 0.47              |
| Chloroethane              | 75-00-3   | 0.034          | 0.034          | 0.24                  | Not Detected      |
| Chloroform                | 67-66-3   | 0.0056         | 0.044          | 0.17                  | 0.083 J           |
| Chloromethane             | 74-87-3   | 0.027          | 0.027          | 0.18                  | 0.94              |
| cis-1,2-Dichloroethene    | 156-59-2  | 0.0074         | 0.035          | 0.14                  | Not Detected      |
| Ethyl Benzene             | 100-41-4  | 0.0071         | 0.039          | 0.16                  | 1.0               |
| Freon 114                 | 76-14-2   | 0.017          | 0.062          | 0.25                  | 0.11 J            |
| Freon 12                  | 75-71-8   | 0.014          | 0.044          | 0.18                  | 2.6               |
| m,p-Xylene                | 108-38-3  | 0.010          | 0.039          | 0.31                  | 4.5               |
| Methyl tert-butyl ether   | 1634-04-4 | 0.0034         | 0.032          | 0.64                  | Not Detected      |
| Naphthalene               | 91-20-3   | 0.013          | 0.038          | 0.47                  | 0.079 J           |
| o-Xylene                  | 95-47-6   | 0.0097         | 0.039          | 0.16                  | 1.3               |
| Tetrachloroethene         | 127-18-4  | 0.012          | 0.061          | 0.24                  | 0.049 J           |
| Toluene                   | 108-88-3  | 0.0059         | 0.034          | 0.13                  | 18                |
| trans-1,2-Dichloroethene  | 156-60-5  | 0.0078         | 0.035          | 0.71                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-8                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 08:58 PM        |
| <b>Lab ID:</b>            | 1609617AR2-05B                         | <b>Dilution Factor:</b>      | 1.79                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:42 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092820simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound        | CAS#    | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-----------------|---------|----------------|----------------|-----------------------|-------------------|
| Trichloroethene | 79-01-6 | 0.0075         | 0.048          | 0.19                  | 0.048 J           |
| Vinyl Chloride  | 75-01-4 | 0.0068         | 0.023          | 0.046                 | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 124       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 98        |
| Toluene-d8            | 2037-26-5  | 70-130 | 99        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                             |                                        |                              |                      |
|-----------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>           | A-9                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 10:32 PM     |
| <b>Lab ID:</b>              | 1609617AR2-06A                         | <b>Dilution Factor:</b>      | 1.75                 |
| <b>Date/Time Collected:</b> | 9/21/16 09:43 AM                       | <b>Instrument/File Name:</b> | msd20.i / 20092822r1 |
| <b>Media:</b>               | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                         | CAS#       | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|------------|----------------|----------------|-----------------------|-------------------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 0.26           | 1.3            | 6.5                   | Not Detected      |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 0.17           | 0.34           | 0.86                  | 1.1               |
| 1,2-Dichlorobenzene              | 95-50-1    | 0.32           | 0.42           | 1.0                   | Not Detected      |
| 1,2-Dichloropropane              | 78-87-5    | 0.18           | 0.32           | 0.81                  | Not Detected      |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 0.15           | 0.34           | 0.86                  | 0.40 J            |
| 1,3-Butadiene                    | 106-99-0   | 0.056          | 0.15           | 0.39                  | Not Detected      |
| 1,3-Dichlorobenzene              | 541-73-1   | 0.14           | 0.42           | 1.0                   | 0.18 J            |
| 1,4-Dioxane                      | 123-91-1   | 0.19           | 0.25           | 0.63                  | Not Detected      |
| 2,2,4-Trimethylpentane           | 540-84-1   | 0.52           | 0.82           | 4.1                   | 2.4 J             |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 0.18           | 0.52           | 2.6                   | 0.60 J            |
| 2-Hexanone                       | 591-78-6   | 0.38           | 0.72           | 3.6                   | Not Detected      |
| 2-Propanol                       | 67-63-0    | 0.16           | 0.43           | 2.2                   | 1.2 J             |
| 3-Chloropropene                  | 107-05-1   | 0.19           | 0.55           | 2.7                   | Not Detected      |
| 4-Ethyltoluene                   | 622-96-8   | 0.18           | 0.34           | 0.86                  | 1.1               |
| 4-Methyl-2-pentanone             | 108-10-1   | 0.13           | 0.29           | 0.72                  | Not Detected      |
| Acetone                          | 67-64-1    | 0.28           | 0.42           | 2.1                   | 6.6               |
| alpha-Chlorotoluene              | 100-44-7   | 0.19           | 0.36           | 0.90                  | Not Detected      |
| Bromodichloromethane             | 75-27-4    | 0.18           | 0.47           | 1.2                   | Not Detected      |
| Bromoform                        | 75-25-2    | 0.34           | 0.72           | 1.8                   | Not Detected      |
| Bromomethane                     | 74-83-9    | 1.0            | 1.0            | 3.4                   | Not Detected      |
| Carbon Disulfide                 | 75-15-0    | 0.22           | 0.54           | 2.7                   | Not Detected      |
| Chlorobenzene                    | 108-90-7   | 0.20           | 0.32           | 0.80                  | 2.5               |
| cis-1,3-Dichloropropene          | 10061-01-5 | 0.17           | 0.32           | 0.79                  | Not Detected      |
| Cumene                           | 98-82-8    | 0.14           | 0.34           | 0.86                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                      |
|---------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | A-9                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 10:32 PM     |
| <b>Lab ID:</b>            | 1609617AR2-06A                         | <b>Dilution Factor:</b>      | 1.75                 |
| <b>Date/Time Collecte</b> | 9/21/16 09:43 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092822r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                      | CAS#          | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------------|---------------|----------------|----------------|-----------------------|-------------------|
| Cyclohexane                   | 110-82-7      | 0.10           | 0.24           | 0.60                  | 2.0               |
| Dibromochloromethane          | 124-48-1      | 0.24           | 0.60           | 1.5                   | Not Detected      |
| Ethanol                       | 64-17-5       | 0.35           | 0.35           | 1.6                   | 38                |
| Freon 11                      | 75-69-4       | 0.12           | 0.39           | 0.98                  | 1.4               |
| Freon 113                     | 76-13-1       | 0.38           | 0.54           | 1.3                   | 0.52 J            |
| Heptane                       | 142-82-5      | 0.16           | 0.29           | 0.72                  | 2.2               |
| Hexachlorobutadiene           | 87-68-3       | 0.47           | 1.9            | 9.3                   | Not Detected      |
| Hexane                        | 110-54-3      | 0.13           | 0.25           | 0.62                  | 5.9               |
| Methylene Chloride            | 75-09-2       | 0.092          | 0.24           | 1.2                   | 1.0 J             |
| Propylbenzene                 | 103-65-1      | 0.16           | 0.34           | 0.86                  | 0.36 J            |
| Styrene                       | 100-42-5      | 0.076          | 0.30           | 0.74                  | Not Detected      |
| Tetrahydrofuran               | 109-99-9      | 0.44           | 0.52           | 2.6                   | Not Detected      |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | NA             | D              | 72                    | 350               |
| trans-1,3-Dichloropropene     | 10061-02-6    | 0.17           | 0.32           | 0.79                  | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 114       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 92        |
| Toluene-d8            | 2037-26-5  | 70-130 | 92        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-9                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 10:32 PM        |
| <b>Lab ID:</b>            | 1609617AR2-06B                         | <b>Dilution Factor:</b>      | 1.75                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:43 AM                       | <b>Instrument/File Name:</b> | msd20.i / 20092822simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound                  | CAS#      | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|-----------|----------------|----------------|-----------------------|-------------------|
| 1,1,1-Trichloroethane     | 71-55-6   | 0.0080         | 0.048          | 0.19                  | 0.025 J           |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 0.0078         | 0.060          | 0.24                  | Not Detected      |
| 1,1,2-Trichloroethane     | 79-00-5   | 0.018          | 0.048          | 0.19                  | Not Detected      |
| 1,1-Dichloroethane        | 75-34-3   | 0.0051         | 0.035          | 0.14                  | Not Detected      |
| 1,1-Dichloroethene        | 75-35-4   | 0.0062         | 0.035          | 0.069                 | Not Detected      |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 0.0073         | 0.067          | 0.27                  | Not Detected      |
| 1,2-Dichloroethane        | 107-06-2  | 0.0077         | 0.035          | 0.14                  | 0.054 J           |
| 1,4-Dichlorobenzene       | 106-46-7  | 0.012          | 0.053          | 0.21                  | 0.81              |
| Benzene                   | 71-43-2   | 0.0041         | 0.028          | 0.28                  | 3.3               |
| Carbon Tetrachloride      | 56-23-5   | 0.014          | 0.055          | 0.22                  | 0.49              |
| Chloroethane              | 75-00-3   | 0.034          | 0.034          | 0.23                  | Not Detected      |
| Chloroform                | 67-66-3   | 0.0055         | 0.043          | 0.17                  | 0.10 J            |
| Chloromethane             | 74-87-3   | 0.026          | 0.026          | 0.18                  | 1.0               |
| cis-1,2-Dichloroethene    | 156-59-2  | 0.0073         | 0.035          | 0.14                  | Not Detected      |
| Ethyl Benzene             | 100-41-4  | 0.0069         | 0.038          | 0.15                  | 1.2               |
| Freon 114                 | 76-14-2   | 0.017          | 0.061          | 0.24                  | 0.13 J            |
| Freon 12                  | 75-71-8   | 0.013          | 0.043          | 0.17                  | 2.7               |
| m,p-Xylene                | 108-38-3  | 0.010          | 0.038          | 0.30                  | 4.1               |
| Methyl tert-butyl ether   | 1634-04-4 | 0.0033         | 0.032          | 0.63                  | Not Detected      |
| Naphthalene               | 91-20-3   | 0.012          | 0.037          | 0.46                  | 0.27 J            |
| o-Xylene                  | 95-47-6   | 0.0095         | 0.038          | 0.15                  | 1.3               |
| Tetrachloroethene         | 127-18-4  | 0.012          | 0.059          | 0.24                  | 0.039 J           |
| Toluene                   | 108-88-3  | 0.0058         | 0.033          | 0.13                  | 13                |
| trans-1,2-Dichloroethene  | 156-60-5  | 0.0076         | 0.035          | 0.69                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-9                                    | <b>Date/Time Analyzed:</b>   | 9/28/16 10:32 PM        |
| <b>Lab ID:</b>            | 1609617AR2-06B                         | <b>Dilution Factor:</b>      | 1.75                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:43 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092822simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound        | CAS#    | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-----------------|---------|----------------|----------------|-----------------------|-------------------|
| Trichloroethene | 79-01-6 | 0.0073         | 0.047          | 0.19                  | 0.045 J           |
| Vinyl Chloride  | 75-01-4 | 0.0066         | 0.022          | 0.045                 | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 122       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 93        |
| Toluene-d8            | 2037-26-5  | 70-130 | 92        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                      |
|---------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | A-2                                    | <b>Date/Time Analyzed:</b>   | 9/29/16 01:26 PM     |
| <b>Lab ID:</b>            | 1609617AR2-07A                         | <b>Dilution Factor:</b>      | 1.64                 |
| <b>Date/Time Collecte</b> | 9/21/16 09:44 AM                       | <b>Instrument/File Name:</b> | msd20.i / 20092908r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                         | CAS#       | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|------------|----------------|----------------|-----------------------|-------------------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 0.24           | 1.2            | 6.1                   | Not Detected      |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 0.16           | 0.32           | 0.81                  | 0.86              |
| 1,2-Dichlorobenzene              | 95-50-1    | 0.30           | 0.39           | 0.99                  | Not Detected      |
| 1,2-Dichloropropane              | 78-87-5    | 0.16           | 0.30           | 0.76                  | Not Detected      |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 0.14           | 0.32           | 0.81                  | 0.33 J            |
| 1,3-Butadiene                    | 106-99-0   | 0.053          | 0.14           | 0.36                  | 0.74              |
| 1,3-Dichlorobenzene              | 541-73-1   | 0.13           | 0.39           | 0.99                  | Not Detected      |
| 1,4-Dioxane                      | 123-91-1   | 0.18           | 0.24           | 0.59                  | Not Detected      |
| 2,2,4-Trimethylpentane           | 540-84-1   | 0.49           | 0.77           | 3.8                   | 0.59 J            |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 0.17           | 0.48           | 2.4                   | 2.8               |
| 2-Hexanone                       | 591-78-6   | 0.35           | 0.67           | 3.4                   | Not Detected      |
| 2-Propanol                       | 67-63-0    | 0.15           | 0.40           | 2.0                   | 47                |
| 3-Chloropropene                  | 107-05-1   | 0.18           | 0.51           | 2.6                   | Not Detected      |
| 4-Ethyltoluene                   | 622-96-8   | 0.17           | 0.32           | 0.81                  | 0.71 J            |
| 4-Methyl-2-pentanone             | 108-10-1   | 0.12           | 0.27           | 0.67                  | Not Detected      |
| Acetone                          | 67-64-1    | 0.26           | 0.39           | 1.9                   | 83                |
| alpha-Chlorotoluene              | 100-44-7   | 0.18           | 0.34           | 0.85                  | Not Detected      |
| Bromodichloromethane             | 75-27-4    | 0.17           | 0.44           | 1.1                   | Not Detected      |
| Bromoform                        | 75-25-2    | 0.31           | 0.68           | 1.7                   | Not Detected      |
| Bromomethane                     | 74-83-9    | 0.98           | 0.98           | 3.2                   | Not Detected      |
| Carbon Disulfide                 | 75-15-0    | 0.20           | 0.51           | 2.6                   | Not Detected      |
| Chlorobenzene                    | 108-90-7   | 0.19           | 0.30           | 0.76                  | Not Detected      |
| cis-1,3-Dichloropropene          | 10061-01-5 | 0.16           | 0.30           | 0.74                  | Not Detected      |
| Cumene                           | 98-82-8    | 0.13           | 0.32           | 0.81                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                      |
|---------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | A-2                                    | <b>Date/Time Analyzed:</b>   | 9/29/16 01:26 PM     |
| <b>Lab ID:</b>            | 1609617AR2-07A                         | <b>Dilution Factor:</b>      | 1.64                 |
| <b>Date/Time Collecte</b> | 9/21/16 09:44 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092908r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                      | CAS#          | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------------|---------------|----------------|----------------|-----------------------|-------------------|
| Cyclohexane                   | 110-82-7      | 0.095          | 0.22           | 0.56                  | 0.76              |
| Dibromochloromethane          | 124-48-1      | 0.23           | 0.56           | 1.4                   | Not Detected      |
| Ethanol                       | 64-17-5       | 0.33           | 0.33           | 1.5                   | 1200 E            |
| Freon 11                      | 75-69-4       | 0.12           | 0.37           | 0.92                  | 21                |
| Freon 113                     | 76-13-1       | 0.35           | 0.50           | 1.2                   | 0.55 J            |
| Heptane                       | 142-82-5      | 0.15           | 0.27           | 0.67                  | 1.6               |
| Hexachlorobutadiene           | 87-68-3       | 0.44           | 1.7            | 8.7                   | Not Detected      |
| Hexane                        | 110-54-3      | 0.12           | 0.23           | 0.58                  | 2.6               |
| Methylene Chloride            | 75-09-2       | 0.086          | 0.23           | 1.1                   | 1.5               |
| Propylbenzene                 | 103-65-1      | 0.15           | 0.32           | 0.81                  | 0.18 J            |
| Styrene                       | 100-42-5      | 0.071          | 0.28           | 0.70                  | 0.45 J            |
| Tetrahydrofuran               | 109-99-9      | 0.42           | 0.48           | 2.4                   | Not Detected      |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | NA             | D              | 67                    | 980               |
| trans-1,3-Dichloropropene     | 10061-02-6    | 0.16           | 0.30           | 0.74                  | Not Detected      |

E = Exceeds instrument calibration range.

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 109       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 92        |
| Toluene-d8            | 2037-26-5  | 70-130 | 94        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-2                                    | <b>Date/Time Analyzed:</b>   | 9/29/16 01:26 PM        |
| <b>Lab ID:</b>            | 1609617AR2-07B                         | <b>Dilution Factor:</b>      | 1.64                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:44 AM                       | <b>Instrument/File Name:</b> | msd20.i / 20092908simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound                  | CAS#      | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|-----------|----------------|----------------|-----------------------|-------------------|
| 1,1,1-Trichloroethane     | 71-55-6   | 0.0075         | 0.045          | 0.18                  | 0.028 J           |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 0.0073         | 0.056          | 0.22                  | Not Detected      |
| 1,1,2-Trichloroethane     | 79-00-5   | 0.016          | 0.045          | 0.18                  | Not Detected      |
| 1,1-Dichloroethane        | 75-34-3   | 0.0048         | 0.033          | 0.13                  | Not Detected      |
| 1,1-Dichloroethene        | 75-35-4   | 0.0058         | 0.032          | 0.065                 | Not Detected      |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 0.0068         | 0.063          | 0.25                  | 0.022 J           |
| 1,2-Dichloroethane        | 107-06-2  | 0.0072         | 0.033          | 0.13                  | 0.083 J           |
| 1,4-Dichlorobenzene       | 106-46-7  | 0.011          | 0.049          | 0.20                  | 0.21              |
| Benzene                   | 71-43-2   | 0.0038         | 0.026          | 0.26                  | 1.5               |
| Carbon Tetrachloride      | 56-23-5   | 0.013          | 0.052          | 0.21                  | 0.46              |
| Chloroethane              | 75-00-3   | 0.031          | 0.031          | 0.22                  | 0.053 J           |
| Chloroform                | 67-66-3   | 0.0051         | 0.040          | 0.16                  | 0.33              |
| Chloromethane             | 74-87-3   | 0.024          | 0.024          | 0.17                  | 1.4               |
| cis-1,2-Dichloroethene    | 156-59-2  | 0.0068         | 0.032          | 0.13                  | Not Detected      |
| Ethyl Benzene             | 100-41-4  | 0.0065         | 0.036          | 0.14                  | 0.64              |
| Freon 114                 | 76-14-2   | 0.016          | 0.057          | 0.23                  | 0.12 J            |
| Freon 12                  | 75-71-8   | 0.012          | 0.040          | 0.16                  | 9.6               |
| m,p-Xylene                | 108-38-3  | 0.0093         | 0.036          | 0.28                  | 1.9               |
| Methyl tert-butyl ether   | 1634-04-4 | 0.0031         | 0.030          | 0.59                  | Not Detected      |
| Naphthalene               | 91-20-3   | 0.012          | 0.034          | 0.43                  | 0.33 J            |
| o-Xylene                  | 95-47-6   | 0.0089         | 0.036          | 0.14                  | 0.78              |
| Tetrachloroethene         | 127-18-4  | 0.011          | 0.056          | 0.22                  | 0.099 J           |
| Toluene                   | 108-88-3  | 0.0054         | 0.031          | 0.12                  | 8.5               |
| trans-1,2-Dichloroethene  | 156-60-5  | 0.0072         | 0.032          | 0.65                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-2                                    | <b>Date/Time Analyzed:</b>   | 9/29/16 01:26 PM        |
| <b>Lab ID:</b>            | 1609617AR2-07B                         | <b>Dilution Factor:</b>      | 1.64                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:44 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092908simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound        | CAS#    | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-----------------|---------|----------------|----------------|-----------------------|-------------------|
| Trichloroethene | 79-01-6 | 0.0069         | 0.044          | 0.18                  | 0.12 J            |
| Vinyl Chloride  | 75-01-4 | 0.0062         | 0.021          | 0.042                 | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 115       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 97        |
| Toluene-d8            | 2037-26-5  | 70-130 | 97        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                      |
|---------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | A-3                                    | <b>Date/Time Analyzed:</b>   | 9/29/16 02:04 PM     |
| <b>Lab ID:</b>            | 1609617AR2-08A                         | <b>Dilution Factor:</b>      | 1.71                 |
| <b>Date/Time Collecte</b> | 9/21/16 09:50 AM                       | <b>Instrument/File Name:</b> | msd20.i / 20092909r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                         | CAS#       | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|------------|----------------|----------------|-----------------------|-------------------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 0.26           | 1.3            | 6.3                   | Not Detected      |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 0.16           | 0.34           | 0.84                  | 1.0               |
| 1,2-Dichlorobenzene              | 95-50-1    | 0.32           | 0.41           | 1.0                   | Not Detected      |
| 1,2-Dichloropropane              | 78-87-5    | 0.17           | 0.32           | 0.79                  | Not Detected      |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 0.15           | 0.34           | 0.84                  | 0.34 J            |
| 1,3-Butadiene                    | 106-99-0   | 0.055          | 0.15           | 0.38                  | Not Detected      |
| 1,3-Dichlorobenzene              | 541-73-1   | 0.13           | 0.41           | 1.0                   | Not Detected      |
| 1,4-Dioxane                      | 123-91-1   | 0.18           | 0.25           | 0.62                  | Not Detected      |
| 2,2,4-Trimethylpentane           | 540-84-1   | 0.51           | 0.80           | 4.0                   | 0.52 J            |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 0.18           | 0.50           | 2.5                   | 3.2               |
| 2-Hexanone                       | 591-78-6   | 0.37           | 0.70           | 3.5                   | Not Detected      |
| 2-Propanol                       | 67-63-0    | 0.16           | 0.42           | 2.1                   | 48                |
| 3-Chloropropene                  | 107-05-1   | 0.19           | 0.54           | 2.7                   | Not Detected      |
| 4-Ethyltoluene                   | 622-96-8   | 0.18           | 0.34           | 0.84                  | 0.74 J            |
| 4-Methyl-2-pentanone             | 108-10-1   | 0.13           | 0.28           | 0.70                  | Not Detected      |
| Acetone                          | 67-64-1    | 0.28           | 0.41           | 2.0                   | 86                |
| alpha-Chlorotoluene              | 100-44-7   | 0.19           | 0.35           | 0.88                  | Not Detected      |
| Bromodichloromethane             | 75-27-4    | 0.18           | 0.46           | 1.1                   | Not Detected      |
| Bromoform                        | 75-25-2    | 0.33           | 0.71           | 1.8                   | Not Detected      |
| Bromomethane                     | 74-83-9    | 1.0            | 1.0            | 3.3                   | Not Detected      |
| Carbon Disulfide                 | 75-15-0    | 0.21           | 0.53           | 2.7                   | Not Detected      |
| Chlorobenzene                    | 108-90-7   | 0.20           | 0.31           | 0.79                  | Not Detected      |
| cis-1,3-Dichloropropene          | 10061-01-5 | 0.16           | 0.31           | 0.78                  | Not Detected      |
| Cumene                           | 98-82-8    | 0.13           | 0.34           | 0.84                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                      |
|---------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | A-3                                    | <b>Date/Time Analyzed:</b>   | 9/29/16 02:04 PM     |
| <b>Lab ID:</b>            | 1609617AR2-08A                         | <b>Dilution Factor:</b>      | 1.71                 |
| <b>Date/Time Collecte</b> | 9/21/16 09:50 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092909r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                      | CAS#          | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------------|---------------|----------------|----------------|-----------------------|-------------------|
| Cyclohexane                   | 110-82-7      | 0.099          | 0.24           | 0.59                  | 0.73              |
| Dibromochloromethane          | 124-48-1      | 0.24           | 0.58           | 1.4                   | Not Detected      |
| Ethanol                       | 64-17-5       | 0.34           | 0.34           | 1.6                   | 1300 E            |
| Freon 11                      | 75-69-4       | 0.12           | 0.38           | 0.96                  | 20                |
| Freon 113                     | 76-13-1       | 0.37           | 0.52           | 1.3                   | 0.56 J            |
| Heptane                       | 142-82-5      | 0.16           | 0.28           | 0.70                  | 1.2               |
| Hexachlorobutadiene           | 87-68-3       | 0.46           | 1.8            | 9.1                   | Not Detected      |
| Hexane                        | 110-54-3      | 0.12           | 0.24           | 0.60                  | 2.8               |
| Methylene Chloride            | 75-09-2       | 0.090          | 0.24           | 1.2                   | 1.4               |
| Propylbenzene                 | 103-65-1      | 0.15           | 0.34           | 0.84                  | 0.17 J            |
| Styrene                       | 100-42-5      | 0.074          | 0.29           | 0.73                  | 0.45 J            |
| Tetrahydrofuran               | 109-99-9      | 0.43           | 0.50           | 2.5                   | Not Detected      |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | NA             | D              | 70                    | 980               |
| trans-1,3-Dichloropropene     | 10061-02-6    | 0.17           | 0.31           | 0.78                  | Not Detected      |

E = Exceeds instrument calibration range.

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 109       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 95        |
| Toluene-d8            | 2037-26-5  | 70-130 | 97        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-3                                    | <b>Date/Time Analyzed:</b>   | 9/29/16 02:04 PM        |
| <b>Lab ID:</b>            | 1609617AR2-08B                         | <b>Dilution Factor:</b>      | 1.71                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:50 AM                       | <b>Instrument/File Name:</b> | msd20.i / 20092909simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound                  | CAS#      | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|-----------|----------------|----------------|-----------------------|-------------------|
| 1,1,1-Trichloroethane     | 71-55-6   | 0.0078         | 0.047          | 0.19                  | 0.031 J           |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 0.0076         | 0.059          | 0.23                  | Not Detected      |
| 1,1,2-Trichloroethane     | 79-00-5   | 0.017          | 0.047          | 0.19                  | Not Detected      |
| 1,1-Dichloroethane        | 75-34-3   | 0.0050         | 0.035          | 0.14                  | Not Detected      |
| 1,1-Dichloroethene        | 75-35-4   | 0.0060         | 0.034          | 0.068                 | Not Detected      |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 0.0071         | 0.066          | 0.26                  | Not Detected      |
| 1,2-Dichloroethane        | 107-06-2  | 0.0075         | 0.035          | 0.14                  | 0.074 J           |
| 1,4-Dichlorobenzene       | 106-46-7  | 0.011          | 0.051          | 0.20                  | 0.075 J           |
| Benzene                   | 71-43-2   | 0.0040         | 0.027          | 0.27                  | 1.4               |
| Carbon Tetrachloride      | 56-23-5   | 0.014          | 0.054          | 0.22                  | 0.54              |
| Chloroethane              | 75-00-3   | 0.033          | 0.033          | 0.22                  | 0.043 J           |
| Chloroform                | 67-66-3   | 0.0053         | 0.042          | 0.17                  | 0.34              |
| Chloromethane             | 74-87-3   | 0.026          | 0.026          | 0.18                  | 1.4               |
| cis-1,2-Dichloroethene    | 156-59-2  | 0.0071         | 0.034          | 0.14                  | Not Detected      |
| Ethyl Benzene             | 100-41-4  | 0.0068         | 0.037          | 0.15                  | 0.58              |
| Freon 114                 | 76-14-2   | 0.016          | 0.060          | 0.24                  | 0.12 J            |
| Freon 12                  | 75-71-8   | 0.013          | 0.042          | 0.17                  | 8.9               |
| m,p-Xylene                | 108-38-3  | 0.0097         | 0.037          | 0.30                  | 1.8               |
| Methyl tert-butyl ether   | 1634-04-4 | 0.0032         | 0.031          | 0.62                  | Not Detected      |
| Naphthalene               | 91-20-3   | 0.012          | 0.036          | 0.45                  | 0.36 J            |
| o-Xylene                  | 95-47-6   | 0.0093         | 0.037          | 0.15                  | 0.73              |
| Tetrachloroethene         | 127-18-4  | 0.011          | 0.058          | 0.23                  | 0.093 J           |
| Toluene                   | 108-88-3  | 0.0057         | 0.032          | 0.13                  | 7.5               |
| trans-1,2-Dichloroethene  | 156-60-5  | 0.0074         | 0.034          | 0.68                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-3                                    | <b>Date/Time Analyzed:</b>   | 9/29/16 02:04 PM        |
| <b>Lab ID:</b>            | 1609617AR2-08B                         | <b>Dilution Factor:</b>      | 1.71                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:50 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092909simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound        | CAS#    | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-----------------|---------|----------------|----------------|-----------------------|-------------------|
| Trichloroethene | 79-01-6 | 0.0072         | 0.046          | 0.18                  | 0.10 J            |
| Vinyl Chloride  | 75-01-4 | 0.0065         | 0.022          | 0.044                 | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 114       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 98        |
| Toluene-d8            | 2037-26-5  | 70-130 | 97        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                      |
|---------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | A-1                                    | <b>Date/Time Analyzed:</b>   | 9/29/16 02:43 PM     |
| <b>Lab ID:</b>            | 1609617AR2-09A                         | <b>Dilution Factor:</b>      | 1.83                 |
| <b>Date/Time Collecte</b> | 9/21/16 09:55 AM                       | <b>Instrument/File Name:</b> | msd20.i / 20092910r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                         | CAS#       | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|------------|----------------|----------------|-----------------------|-------------------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 0.27           | 1.4            | 6.8                   | Not Detected      |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 0.18           | 0.36           | 0.90                  | 0.25 J            |
| 1,2-Dichlorobenzene              | 95-50-1    | 0.34           | 0.44           | 1.1                   | Not Detected      |
| 1,2-Dichloropropane              | 78-87-5    | 0.18           | 0.34           | 0.84                  | Not Detected      |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 0.16           | 0.36           | 0.90                  | Not Detected      |
| 1,3-Butadiene                    | 106-99-0   | 0.059          | 0.16           | 0.40                  | 0.98              |
| 1,3-Dichlorobenzene              | 541-73-1   | 0.14           | 0.44           | 1.1                   | Not Detected      |
| 1,4-Dioxane                      | 123-91-1   | 0.20           | 0.26           | 0.66                  | Not Detected      |
| 2,2,4-Trimethylpentane           | 540-84-1   | 0.54           | 0.85           | 4.3                   | Not Detected      |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 0.19           | 0.54           | 2.7                   | 2.0 J             |
| 2-Hexanone                       | 591-78-6   | 0.39           | 0.75           | 3.7                   | Not Detected      |
| 2-Propanol                       | 67-63-0    | 0.17           | 0.45           | 2.2                   | 5.5               |
| 3-Chloropropene                  | 107-05-1   | 0.20           | 0.57           | 2.9                   | Not Detected      |
| 4-Ethyltoluene                   | 622-96-8   | 0.19           | 0.36           | 0.90                  | 0.26 J            |
| 4-Methyl-2-pentanone             | 108-10-1   | 0.14           | 0.30           | 0.75                  | Not Detected      |
| Acetone                          | 67-64-1    | 0.30           | 0.43           | 2.2                   | 17                |
| alpha-Chlorotoluene              | 100-44-7   | 0.20           | 0.38           | 0.95                  | Not Detected      |
| Bromodichloromethane             | 75-27-4    | 0.19           | 0.49           | 1.2                   | Not Detected      |
| Bromoform                        | 75-25-2    | 0.35           | 0.76           | 1.9                   | Not Detected      |
| Bromomethane                     | 74-83-9    | 1.1            | 1.1            | 3.6                   | Not Detected      |
| Carbon Disulfide                 | 75-15-0    | 0.23           | 0.57           | 2.8                   | Not Detected      |
| Chlorobenzene                    | 108-90-7   | 0.21           | 0.34           | 0.84                  | Not Detected      |
| cis-1,3-Dichloropropene          | 10061-01-5 | 0.18           | 0.33           | 0.83                  | Not Detected      |
| Cumene                           | 98-82-8    | 0.14           | 0.36           | 0.90                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                      |
|---------------------------|----------------------------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | A-1                                    | <b>Date/Time Analyzed:</b>   | 9/29/16 02:43 PM     |
| <b>Lab ID:</b>            | 1609617AR2-09A                         | <b>Dilution Factor:</b>      | 1.83                 |
| <b>Date/Time Collecte</b> | 9/21/16 09:55 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092910r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                      |

| Compound                      | CAS#          | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------------|---------------|----------------|----------------|-----------------------|-------------------|
| Cyclohexane                   | 110-82-7      | 0.11           | 0.25           | 0.63                  | 0.59 J            |
| Dibromochloromethane          | 124-48-1      | 0.26           | 0.62           | 1.6                   | Not Detected      |
| Ethanol                       | 64-17-5       | 0.37           | 0.37           | 1.7                   | 1500 E            |
| Freon 11                      | 75-69-4       | 0.13           | 0.41           | 1.0                   | 2.0               |
| Freon 113                     | 76-13-1       | 0.39           | 0.56           | 1.4                   | 0.55 J            |
| Heptane                       | 142-82-5      | 0.17           | 0.30           | 0.75                  | 1.6               |
| Hexachlorobutadiene           | 87-68-3       | 0.49           | 2.0            | 9.8                   | Not Detected      |
| Hexane                        | 110-54-3      | 0.13           | 0.26           | 0.64                  | 3.5               |
| Methylene Chloride            | 75-09-2       | 0.096          | 0.25           | 1.3                   | 0.93 J            |
| Propylbenzene                 | 103-65-1      | 0.16           | 0.36           | 0.90                  | Not Detected      |
| Styrene                       | 100-42-5      | 0.079          | 0.31           | 0.78                  | Not Detected      |
| Tetrahydrofuran               | 109-99-9      | 0.46           | 0.54           | 2.7                   | Not Detected      |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | NA             | D              | 75                    | 530               |
| trans-1,3-Dichloropropene     | 10061-02-6    | 0.18           | 0.33           | 0.83                  | Not Detected      |

E = Exceeds instrument calibration range.

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 109       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 94        |
| Toluene-d8            | 2037-26-5  | 70-130 | 95        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-1                                    | <b>Date/Time Analyzed:</b>   | 9/29/16 02:43 PM        |
| <b>Lab ID:</b>            | 1609617AR2-09B                         | <b>Dilution Factor:</b>      | 1.83                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:55 AM                       | <b>Instrument/File Name:</b> | msd20.i / 20092910simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound                  | CAS#      | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|-----------|----------------|----------------|-----------------------|-------------------|
| 1,1,1-Trichloroethane     | 71-55-6   | 0.0084         | 0.050          | 0.20                  | 0.019 J           |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 0.0082         | 0.063          | 0.25                  | Not Detected      |
| 1,1,2-Trichloroethane     | 79-00-5   | 0.018          | 0.050          | 0.20                  | Not Detected      |
| 1,1-Dichloroethane        | 75-34-3   | 0.0053         | 0.037          | 0.15                  | Not Detected      |
| 1,1-Dichloroethene        | 75-35-4   | 0.0064         | 0.036          | 0.072                 | Not Detected      |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 0.0076         | 0.070          | 0.28                  | Not Detected      |
| 1,2-Dichloroethane        | 107-06-2  | 0.0081         | 0.037          | 0.15                  | 0.043 J           |
| 1,4-Dichlorobenzene       | 106-46-7  | 0.012          | 0.055          | 0.22                  | 0.032 J           |
| Benzene                   | 71-43-2   | 0.0043         | 0.029          | 0.29                  | 0.93              |
| Carbon Tetrachloride      | 56-23-5   | 0.015          | 0.058          | 0.23                  | 0.48              |
| Chloroethane              | 75-00-3   | 0.035          | 0.035          | 0.24                  | 0.077 J           |
| Chloroform                | 67-66-3   | 0.0057         | 0.045          | 0.18                  | 0.16 J            |
| Chloromethane             | 74-87-3   | 0.027          | 0.027          | 0.19                  | 1.2               |
| cis-1,2-Dichloroethene    | 156-59-2  | 0.0076         | 0.036          | 0.14                  | Not Detected      |
| Ethyl Benzene             | 100-41-4  | 0.0072         | 0.040          | 0.16                  | 0.10 J            |
| Freon 114                 | 76-14-2   | 0.017          | 0.064          | 0.26                  | 0.12 J            |
| Freon 12                  | 75-71-8   | 0.014          | 0.045          | 0.18                  | 2.6               |
| m,p-Xylene                | 108-38-3  | 0.010          | 0.040          | 0.32                  | 0.28 J            |
| Methyl tert-butyl ether   | 1634-04-4 | 0.0034         | 0.033          | 0.66                  | Not Detected      |
| Naphthalene               | 91-20-3   | 0.013          | 0.038          | 0.48                  | 0.12 J            |
| o-Xylene                  | 95-47-6   | 0.0099         | 0.040          | 0.16                  | 0.096 J           |
| Tetrachloroethene         | 127-18-4  | 0.012          | 0.062          | 0.25                  | 0.040 J           |
| Toluene                   | 108-88-3  | 0.0061         | 0.034          | 0.14                  | 1.1               |
| trans-1,2-Dichloroethene  | 156-60-5  | 0.0080         | 0.036          | 0.72                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                         |
|---------------------------|----------------------------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | A-1                                    | <b>Date/Time Analyzed:</b>   | 9/29/16 02:43 PM        |
| <b>Lab ID:</b>            | 1609617AR2-09B                         | <b>Dilution Factor:</b>      | 1.83                    |
| <b>Date/Time Collecte</b> | 9/21/16 09:55 AM                       | <b>Instrument/File name:</b> | msd20.i / 20092910simr1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                         |

| Compound        | CAS#    | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-----------------|---------|----------------|----------------|-----------------------|-------------------|
| Trichloroethene | 79-01-6 | 0.0077         | 0.049          | 0.20                  | 0.026 J           |
| Vinyl Chloride  | 75-01-4 | 0.0069         | 0.023          | 0.047                 | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 113       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 96        |
| Toluene-d8            | 2037-26-5  | 70-130 | 96        |

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                    |
|---------------------------|----------------------------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | A-2ss                                  | <b>Date/Time Analyzed:</b>   | 9/30/16 04:02 PM   |
| <b>Lab ID:</b>            | 1609617AR2-11A                         | <b>Dilution Factor:</b>      | 6.09               |
| <b>Date/Time Collecte</b> | 9/22/16 09:12 AM                       | <b>Instrument/File Name:</b> | msda.i / a093015r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                    |

| Compound                         | CAS#     | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|----------|----------------|----------------|-----------------------|-------------------|
| 1,1,1-Trichloroethane            | 71-55-6  | 3.5            | 6.3            | 17                    | 20                |
| 1,1,2,2-Tetrachloroethane        | 79-34-5  | 1.2            | 7.9            | 21                    | Not Detected      |
| 1,1,2-Trichloroethane            | 79-00-5  | 3.4            | 6.3            | 17                    | Not Detected      |
| 1,1-Dichloroethane               | 75-34-3  | 2.1            | 4.7            | 12                    | Not Detected      |
| 1,1-Dichloroethene               | 75-35-4  | 5.6            | 5.6            | 12                    | Not Detected      |
| 1,2,4-Trichlorobenzene           | 120-82-1 | 4.6            | 22             | 90                    | Not Detected      |
| 1,2,4-Trimethylbenzene           | 95-63-6  | 1.5            | 5.7            | 15                    | Not Detected      |
| 1,2-Dibromoethane (EDB)          | 106-93-4 | 2.3            | 8.9            | 23                    | Not Detected      |
| 1,2-Dichlorobenzene              | 95-50-1  | 3.1            | 7.0            | 18                    | Not Detected      |
| 1,2-Dichloroethane               | 107-06-2 | 2.6            | 4.7            | 12                    | Not Detected      |
| 1,2-Dichloropropane              | 78-87-5  | 1.6            | 5.3            | 14                    | Not Detected      |
| 1,3,5-Trimethylbenzene           | 108-67-8 | 1.3            | 5.7            | 15                    | Not Detected      |
| 1,3-Butadiene                    | 106-99-0 | 1.6            | 2.6            | 6.7                   | Not Detected      |
| 1,3-Dichlorobenzene              | 541-73-1 | 2.7            | 7.0            | 18                    | Not Detected      |
| 1,4-Dichlorobenzene              | 106-46-7 | 1.9            | 7.0            | 18                    | Not Detected      |
| 1,4-Dioxane                      | 123-91-1 | 2.9            | 11             | 44                    | Not Detected      |
| 2,2,4-Trimethylpentane           | 540-84-1 | 1.6            | 5.4            | 14                    | Not Detected      |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3  | 7.1            | 9.0            | 36                    | 9.8 J             |
| 2-Hexanone                       | 591-78-6 | 3.4            | 12             | 50                    | Not Detected      |
| 2-Propanol                       | 67-63-0  | 2.5            | 7.5            | 30                    | Not Detected      |
| 3-Chloropropene                  | 107-05-1 | 3.1            | 9.5            | 38                    | Not Detected      |
| 4-Ethyltoluene                   | 622-96-8 | 2.5            | 5.7            | 15                    | Not Detected      |
| 4-Methyl-2-pentanone             | 108-10-1 | 2.3            | 4.7            | 12                    | 14                |
| Acetone                          | 67-64-1  | 7.4            | 7.4            | 72                    | 38 J              |

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                    |
|---------------------------|----------------------------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | A-2ss                                  | <b>Date/Time Analyzed:</b>   | 9/30/16 04:02 PM   |
| <b>Lab ID:</b>            | 1609617AR2-11A                         | <b>Dilution Factor:</b>      | 6.09               |
| <b>Date/Time Collecte</b> | 9/22/16 09:12 AM                       | <b>Instrument/File name:</b> | msda.i / a093015r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                    |

| Compound                | CAS#       | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------|------------|----------------|----------------|-----------------------|-------------------|
| alpha-Chlorotoluene     | 100-44-7   | 1.5            | 6.0            | 16                    | Not Detected      |
| Benzene                 | 71-43-2    | 1.4            | 3.7            | 9.7                   | 4.7 J             |
| Bromodichloromethane    | 75-27-4    | 3.2            | 7.8            | 20                    | Not Detected      |
| Bromoform               | 75-25-2    | 1.8            | 12             | 31                    | Not Detected      |
| Bromomethane            | 74-83-9    | 3.7            | 12             | 120                   | Not Detected      |
| Carbon Disulfide        | 75-15-0    | 3.2            | 9.5            | 38                    | Not Detected      |
| Carbon Tetrachloride    | 56-23-5    | 2.5            | 7.3            | 19                    | Not Detected      |
| Chlorobenzene           | 108-90-7   | 0.73           | 5.3            | 14                    | Not Detected      |
| Chloroethane            | 75-00-3    | 4.7            | 8.0            | 32                    | Not Detected      |
| Chloroform              | 67-66-3    | 2.1            | 5.6            | 15                    | Not Detected      |
| Chloromethane           | 74-87-3    | 5.8            | 6.3            | 63                    | Not Detected      |
| cis-1,2-Dichloroethene  | 156-59-2   | 1.9            | 4.6            | 12                    | Not Detected      |
| cis-1,3-Dichloropropene | 10061-01-5 | 1.3            | 5.2            | 14                    | Not Detected      |
| Cumene                  | 98-82-8    | 0.77           | 5.7            | 15                    | 1.0 J             |
| Cyclohexane             | 110-82-7   | 1.8            | 4.0            | 10                    | Not Detected      |
| Dibromochloromethane    | 124-48-1   | 1.3            | 9.8            | 26                    | Not Detected      |
| Ethanol                 | 64-17-5    | 6.7            | 6.7            | 23                    | 27                |
| Ethyl Benzene           | 100-41-4   | 1.4            | 5.0            | 13                    | Not Detected      |
| Freon 11                | 75-69-4    | 2.8            | 6.5            | 17                    | 4500              |
| Freon 113               | 76-13-1    | 3.0            | 8.9            | 23                    | Not Detected      |
| Freon 114               | 76-14-2    | 3.6            | 8.1            | 21                    | Not Detected      |
| Freon 12                | 75-71-8    | 1.6            | 5.7            | 15                    | 38                |
| Heptane                 | 142-82-5   | 3.4            | 4.7            | 12                    | Not Detected      |
| Hexachlorobutadiene     | 87-68-3    | 8.5            | 32             | 130                   | Not Detected      |

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                    |
|---------------------------|----------------------------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | A-2ss                                  | <b>Date/Time Analyzed:</b>   | 9/30/16 04:02 PM   |
| <b>Lab ID:</b>            | 1609617AR2-11A                         | <b>Dilution Factor:</b>      | 6.09               |
| <b>Date/Time Collecte</b> | 9/22/16 09:12 AM                       | <b>Instrument/File name:</b> | msda.i / a093015r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                    |

| Compound                      | CAS#          | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------------|---------------|----------------|----------------|-----------------------|-------------------|
| Hexane                        | 110-54-3      | 1.8            | 4.1            | 11                    | Not Detected      |
| m,p-Xylene                    | 108-38-3      | 1.9            | 5.0            | 13                    | Not Detected      |
| Methyl tert-butyl ether       | 1634-04-4     | 1.1            | 4.2            | 44                    | Not Detected      |
| Methylene Chloride            | 75-09-2       | 5.2            | 10             | 100                   | Not Detected      |
| Naphthalene                   | 91-20-3       | 4.3            | 8.0            | 32                    | Not Detected      |
| o-Xylene                      | 95-47-6       | 2.4            | 5.0            | 13                    | Not Detected      |
| Propylbenzene                 | 103-65-1      | 1.4            | 5.7            | 15                    | Not Detected      |
| Styrene                       | 100-42-5      | 1.3            | 4.9            | 13                    | 2.2 J             |
| Tetrachloroethene             | 127-18-4      | 2.2            | 7.8            | 21                    | Not Detected      |
| Tetrahydrofuran               | 109-99-9      | 0.91           | 3.4            | 9.0                   | Not Detected      |
| Toluene                       | 108-88-3      | 1.1            | 4.4            | 11                    | 2.7 J             |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | NA             | D              | 1200                  | Not Detected      |
| trans-1,2-Dichloroethene      | 156-60-5      | 3.6            | 4.6            | 12                    | Not Detected      |
| trans-1,3-Dichloropropene     | 10061-02-6    | 1.8            | 5.2            | 14                    | Not Detected      |
| Trichloroethene               | 79-01-6       | 3.0            | 6.2            | 16                    | Not Detected      |
| Vinyl Chloride                | 75-01-4       | 1.6            | 3.0            | 7.8                   | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 93        |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 105       |
| Toluene-d8            | 2037-26-5  | 70-130 | 102       |

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                    |
|---------------------------|----------------------------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | A-1ss                                  | <b>Date/Time Analyzed:</b>   | 9/30/16 04:33 PM   |
| <b>Lab ID:</b>            | 1609617AR2-12A                         | <b>Dilution Factor:</b>      | 4.89               |
| <b>Date/Time Collecte</b> | 9/22/16 10:13 AM                       | <b>Instrument/File Name:</b> | msda.i / a093016r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                    |

| Compound                         | CAS#     | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|----------|----------------|----------------|-----------------------|-------------------|
| 1,1,1-Trichloroethane            | 71-55-6  | 2.8            | 5.1            | 13                    | Not Detected      |
| 1,1,2,2-Tetrachloroethane        | 79-34-5  | 0.94           | 6.4            | 17                    | Not Detected      |
| 1,1,2-Trichloroethane            | 79-00-5  | 2.7            | 5.1            | 13                    | Not Detected      |
| 1,1-Dichloroethane               | 75-34-3  | 1.7            | 3.8            | 9.9                   | Not Detected      |
| 1,1-Dichloroethene               | 75-35-4  | 4.5            | 4.5            | 9.7                   | Not Detected      |
| 1,2,4-Trichlorobenzene           | 120-82-1 | 3.7            | 18             | 72                    | Not Detected      |
| 1,2,4-Trimethylbenzene           | 95-63-6  | 1.2            | 4.6            | 12                    | Not Detected      |
| 1,2-Dibromoethane (EDB)          | 106-93-4 | 1.8            | 7.1            | 19                    | Not Detected      |
| 1,2-Dichlorobenzene              | 95-50-1  | 2.5            | 5.6            | 15                    | Not Detected      |
| 1,2-Dichloroethane               | 107-06-2 | 2.1            | 3.8            | 9.9                   | Not Detected      |
| 1,2-Dichloropropane              | 78-87-5  | 1.3            | 4.3            | 11                    | Not Detected      |
| 1,3,5-Trimethylbenzene           | 108-67-8 | 1.1            | 4.6            | 12                    | Not Detected      |
| 1,3-Butadiene                    | 106-99-0 | 1.3            | 2.0            | 5.4                   | 4.7 J             |
| 1,3-Dichlorobenzene              | 541-73-1 | 2.2            | 5.6            | 15                    | Not Detected      |
| 1,4-Dichlorobenzene              | 106-46-7 | 1.5            | 5.6            | 15                    | Not Detected      |
| 1,4-Dioxane                      | 123-91-1 | 2.4            | 8.8            | 35                    | Not Detected      |
| 2,2,4-Trimethylpentane           | 540-84-1 | 1.3            | 4.3            | 11                    | Not Detected      |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3  | 5.7            | 7.2            | 29                    | Not Detected      |
| 2-Hexanone                       | 591-78-6 | 2.7            | 10             | 40                    | Not Detected      |
| 2-Propanol                       | 67-63-0  | 2.0            | 6.0            | 24                    | Not Detected      |
| 3-Chloropropene                  | 107-05-1 | 2.5            | 7.6            | 31                    | Not Detected      |
| 4-Ethyltoluene                   | 622-96-8 | 2.0            | 4.6            | 12                    | Not Detected      |
| 4-Methyl-2-pentanone             | 108-10-1 | 1.9            | 3.8            | 10                    | Not Detected      |
| Acetone                          | 67-64-1  | 5.9            | 5.9            | 58                    | 27 J              |

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                    |
|---------------------------|----------------------------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | A-1ss                                  | <b>Date/Time Analyzed:</b>   | 9/30/16 04:33 PM   |
| <b>Lab ID:</b>            | 1609617AR2-12A                         | <b>Dilution Factor:</b>      | 4.89               |
| <b>Date/Time Collecte</b> | 9/22/16 10:13 AM                       | <b>Instrument/File name:</b> | msda.i / a093016r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                    |

| Compound                | CAS#       | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------|------------|----------------|----------------|-----------------------|-------------------|
| alpha-Chlorotoluene     | 100-44-7   | 1.2            | 4.8            | 13                    | Not Detected      |
| Benzene                 | 71-43-2    | 1.1            | 3.0            | 7.8                   | 5.0 J             |
| Bromodichloromethane    | 75-27-4    | 2.5            | 6.2            | 16                    | Not Detected      |
| Bromoform               | 75-25-2    | 1.4            | 9.6            | 25                    | Not Detected      |
| Bromomethane            | 74-83-9    | 3.0            | 9.5            | 95                    | Not Detected      |
| Carbon Disulfide        | 75-15-0    | 2.6            | 7.6            | 30                    | Not Detected      |
| Carbon Tetrachloride    | 56-23-5    | 2.0            | 5.8            | 15                    | Not Detected      |
| Chlorobenzene           | 108-90-7   | 0.59           | 4.3            | 11                    | Not Detected      |
| Chloroethane            | 75-00-3    | 3.8            | 6.4            | 26                    | Not Detected      |
| Chloroform              | 67-66-3    | 1.7            | 4.5            | 12                    | Not Detected      |
| Chloromethane           | 74-87-3    | 4.6            | 5.0            | 50                    | Not Detected      |
| cis-1,2-Dichloroethene  | 156-59-2   | 1.5            | 3.7            | 9.7                   | Not Detected      |
| cis-1,3-Dichloropropene | 10061-01-5 | 1.0            | 4.2            | 11                    | Not Detected      |
| Cumene                  | 98-82-8    | 0.62           | 4.6            | 12                    | Not Detected      |
| Cyclohexane             | 110-82-7   | 1.4            | 3.2            | 8.4                   | Not Detected      |
| Dibromochloromethane    | 124-48-1   | 1.0            | 7.9            | 21                    | Not Detected      |
| Ethanol                 | 64-17-5    | 5.4            | 5.4            | 18                    | 53                |
| Ethyl Benzene           | 100-41-4   | 1.1            | 4.0            | 11                    | 2.1 J             |
| Freon 11                | 75-69-4    | 2.3            | 5.2            | 14                    | 3400              |
| Freon 113               | 76-13-1    | 2.4            | 7.1            | 19                    | Not Detected      |
| Freon 114               | 76-14-2    | 2.9            | 6.5            | 17                    | Not Detected      |
| Freon 12                | 75-71-8    | 1.3            | 4.6            | 12                    | 6.4 J             |
| Heptane                 | 142-82-5   | 2.7            | 3.8            | 10                    | Not Detected      |
| Hexachlorobutadiene     | 87-68-3    | 6.8            | 26             | 100                   | Not Detected      |

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                    |
|---------------------------|----------------------------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | A-1ss                                  | <b>Date/Time Analyzed:</b>   | 9/30/16 04:33 PM   |
| <b>Lab ID:</b>            | 1609617AR2-12A                         | <b>Dilution Factor:</b>      | 4.89               |
| <b>Date/Time Collecte</b> | 9/22/16 10:13 AM                       | <b>Instrument/File name:</b> | msda.i / a093016r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                    |

| Compound                      | CAS#          | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------------|---------------|----------------|----------------|-----------------------|-------------------|
| Hexane                        | 110-54-3      | 1.5            | 3.3            | 8.6                   | Not Detected      |
| m,p-Xylene                    | 108-38-3      | 1.5            | 4.0            | 11                    | 9.0 J             |
| Methyl tert-butyl ether       | 1634-04-4     | 0.88           | 3.3            | 35                    | Not Detected      |
| Methylene Chloride            | 75-09-2       | 4.2            | 8.5            | 85                    | Not Detected      |
| Naphthalene                   | 91-20-3       | 3.4            | 6.4            | 26                    | Not Detected      |
| o-Xylene                      | 95-47-6       | 1.9            | 4.0            | 11                    | 3.1 J             |
| Propylbenzene                 | 103-65-1      | 1.2            | 4.6            | 12                    | Not Detected      |
| Styrene                       | 100-42-5      | 1.1            | 4.0            | 10                    | 1.1 J             |
| Tetrachloroethene             | 127-18-4      | 1.8            | 6.3            | 16                    | 23                |
| Tetrahydrofuran               | 109-99-9      | 0.73           | 2.7            | 7.2                   | Not Detected      |
| Toluene                       | 108-88-3      | 0.85           | 3.5            | 9.2                   | 12                |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | NA             | D              | 1000                  | Not Detected      |
| trans-1,2-Dichloroethene      | 156-60-5      | 2.9            | 3.7            | 9.7                   | Not Detected      |
| trans-1,3-Dichloropropene     | 10061-02-6    | 1.4            | 4.2            | 11                    | Not Detected      |
| Trichloroethene               | 79-01-6       | 2.4            | 5.0            | 13                    | Not Detected      |
| Vinyl Chloride                | 75-01-4       | 1.3            | 2.4            | 6.2                   | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 97        |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 108       |
| Toluene-d8            | 2037-26-5  | 70-130 | 102       |

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                    |
|---------------------------|----------------------------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | A-3ss                                  | <b>Date/Time Analyzed:</b>   | 9/30/16 07:19 PM   |
| <b>Lab ID:</b>            | 1609617AR2-13A                         | <b>Dilution Factor:</b>      | 7.31               |
| <b>Date/Time Collecte</b> | 9/22/16 12:09 PM                       | <b>Instrument/File name:</b> | msda.i / a093019r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                    |

| Compound                         | CAS#     | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|----------|----------------|----------------|-----------------------|-------------------|
| 1,1,1-Trichloroethane            | 71-55-6  | 4.2            | 7.6            | 20                    | Not Detected      |
| 1,1,2,2-Tetrachloroethane        | 79-34-5  | 1.4            | 9.5            | 25                    | Not Detected      |
| 1,1,2-Trichloroethane            | 79-00-5  | 4.1            | 7.6            | 20                    | Not Detected      |
| 1,1-Dichloroethane               | 75-34-3  | 2.5            | 5.6            | 15                    | Not Detected      |
| 1,1-Dichloroethene               | 75-35-4  | 6.7            | 6.7            | 14                    | Not Detected      |
| 1,2,4-Trichlorobenzene           | 120-82-1 | 5.6            | 27             | 110                   | Not Detected      |
| 1,2,4-Trimethylbenzene           | 95-63-6  | 1.8            | 6.8            | 18                    | Not Detected      |
| 1,2-Dibromoethane (EDB)          | 106-93-4 | 2.8            | 11             | 28                    | Not Detected      |
| 1,2-Dichlorobenzene              | 95-50-1  | 3.7            | 8.4            | 22                    | Not Detected      |
| 1,2-Dichloroethane               | 107-06-2 | 3.1            | 5.6            | 15                    | Not Detected      |
| 1,2-Dichloropropane              | 78-87-5  | 2.0            | 6.4            | 17                    | Not Detected      |
| 1,3,5-Trimethylbenzene           | 108-67-8 | 1.6            | 6.8            | 18                    | Not Detected      |
| 1,3-Butadiene                    | 106-99-0 | 1.9            | 3.1            | 8.1                   | Not Detected      |
| 1,3-Dichlorobenzene              | 541-73-1 | 3.3            | 8.4            | 22                    | Not Detected      |
| 1,4-Dichlorobenzene              | 106-46-7 | 2.2            | 8.4            | 22                    | Not Detected      |
| 1,4-Dioxane                      | 123-91-1 | 3.5            | 13             | 53                    | Not Detected      |
| 2,2,4-Trimethylpentane           | 540-84-1 | 2.0            | 6.5            | 17                    | 38                |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3  | 8.6            | 11             | 43                    | 26 J              |
| 2-Hexanone                       | 591-78-6 | 4.0            | 15             | 60                    | Not Detected      |
| 2-Propanol                       | 67-63-0  | 3.0            | 9.0            | 36                    | Not Detected      |
| 3-Chloropropene                  | 107-05-1 | 3.8            | 11             | 46                    | Not Detected      |
| 4-Ethyltoluene                   | 622-96-8 | 3.0            | 6.8            | 18                    | Not Detected      |
| 4-Methyl-2-pentanone             | 108-10-1 | 2.8            | 5.7            | 15                    | Not Detected      |
| Acetone                          | 67-64-1  | 8.8            | 8.8            | 87                    | 45 J              |

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                    |
|---------------------------|----------------------------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | A-3ss                                  | <b>Date/Time Analyzed:</b>   | 9/30/16 07:19 PM   |
| <b>Lab ID:</b>            | 1609617AR2-13A                         | <b>Dilution Factor:</b>      | 7.31               |
| <b>Date/Time Collecte</b> | 9/22/16 12:09 PM                       | <b>Instrument/File Name:</b> | msda.i / a093019r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                    |

| Compound                | CAS#       | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------|------------|----------------|----------------|-----------------------|-------------------|
| alpha-Chlorotoluene     | 100-44-7   | 1.8            | 7.2            | 19                    | Not Detected      |
| Benzene                 | 71-43-2    | 1.7            | 4.4            | 12                    | Not Detected      |
| Bromodichloromethane    | 75-27-4    | 3.8            | 9.3            | 24                    | Not Detected      |
| Bromoform               | 75-25-2    | 2.2            | 14             | 38                    | Not Detected      |
| Bromomethane            | 74-83-9    | 4.4            | 14             | 140                   | Not Detected      |
| Carbon Disulfide        | 75-15-0    | 3.8            | 11             | 46                    | Not Detected      |
| Carbon Tetrachloride    | 56-23-5    | 3.0            | 8.7            | 23                    | Not Detected      |
| Chlorobenzene           | 108-90-7   | 0.88           | 6.4            | 17                    | Not Detected      |
| Chloroethane            | 75-00-3    | 5.7            | 9.6            | 38                    | Not Detected      |
| Chloroform              | 67-66-3    | 2.5            | 6.8            | 18                    | Not Detected      |
| Chloromethane           | 74-87-3    | 6.9            | 7.5            | 75                    | Not Detected      |
| cis-1,2-Dichloroethene  | 156-59-2   | 2.3            | 5.5            | 14                    | Not Detected      |
| cis-1,3-Dichloropropene | 10061-01-5 | 1.6            | 6.3            | 16                    | Not Detected      |
| Cumene                  | 98-82-8    | 0.92           | 6.8            | 18                    | Not Detected      |
| Cyclohexane             | 110-82-7   | 2.2            | 4.8            | 12                    | Not Detected      |
| Dibromochloromethane    | 124-48-1   | 1.5            | 12             | 31                    | Not Detected      |
| Ethanol                 | 64-17-5    | 8.1            | 8.1            | 28                    | 54                |
| Ethyl Benzene           | 100-41-4   | 1.6            | 6.0            | 16                    | 2.6 J             |
| Freon 11                | 75-69-4    | 3.4            | 7.8            | 20                    | 5200              |
| Freon 113               | 76-13-1    | 3.6            | 11             | 28                    | Not Detected      |
| Freon 114               | 76-14-2    | 4.4            | 9.7            | 26                    | Not Detected      |
| Freon 12                | 75-71-8    | 2.0            | 6.9            | 18                    | 7.4 J             |
| Heptane                 | 142-82-5   | 4.0            | 5.7            | 15                    | Not Detected      |
| Hexachlorobutadiene     | 87-68-3    | 10             | 39             | 160                   | Not Detected      |

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                                        |                              |                    |
|---------------------------|----------------------------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | A-3ss                                  | <b>Date/Time Analyzed:</b>   | 9/30/16 07:19 PM   |
| <b>Lab ID:</b>            | 1609617AR2-13A                         | <b>Dilution Factor:</b>      | 7.31               |
| <b>Date/Time Collecte</b> | 9/22/16 12:09 PM                       | <b>Instrument/File name:</b> | msda.i / a093019r1 |
| <b>Media:</b>             | 6 Liter Summa Canister (SIM Certified) |                              |                    |

| Compound                      | CAS#          | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------------|---------------|----------------|----------------|-----------------------|-------------------|
| Hexane                        | 110-54-3      | 2.2            | 4.9            | 13                    | Not Detected      |
| m,p-Xylene                    | 108-38-3      | 2.3            | 6.0            | 16                    | 7.1 J             |
| Methyl tert-butyl ether       | 1634-04-4     | 1.3            | 5.0            | 53                    | Not Detected      |
| Methylene Chloride            | 75-09-2       | 6.2            | 13             | 130                   | Not Detected      |
| Naphthalene                   | 91-20-3       | 5.2            | 9.6            | 38                    | Not Detected      |
| o-Xylene                      | 95-47-6       | 2.8            | 6.0            | 16                    | Not Detected      |
| Propylbenzene                 | 103-65-1      | 1.7            | 6.8            | 18                    | Not Detected      |
| Styrene                       | 100-42-5      | 1.6            | 5.9            | 16                    | Not Detected      |
| Tetrachloroethene             | 127-18-4      | 2.7            | 9.4            | 25                    | 3.8 J             |
| Tetrahydrofuran               | 109-99-9      | 1.1            | 4.1            | 11                    | 9.1 J             |
| Toluene                       | 108-88-3      | 1.3            | 5.2            | 14                    | 25                |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | NA             | D              | 1500                  | Not Detected      |
| trans-1,2-Dichloroethene      | 156-60-5      | 4.3            | 5.5            | 14                    | Not Detected      |
| trans-1,3-Dichloropropene     | 10061-02-6    | 2.1            | 6.3            | 16                    | Not Detected      |
| Trichloroethene               | 79-01-6       | 3.7            | 7.5            | 20                    | Not Detected      |
| Vinyl Chloride                | 75-01-4       | 1.9            | 3.6            | 9.3                   | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 92        |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 105       |
| Toluene-d8            | 2037-26-5  | 70-130 | 105       |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                             |                     |                              |                      |
|-----------------------------|---------------------|------------------------------|----------------------|
| <b>Client ID:</b>           | Lab Blank           | <b>Date/Time Analyzed:</b>   | 9/28/16 11:19 AM     |
| <b>Lab ID:</b>              | 1609617AR2-14A      | <b>Dilution Factor:</b>      | 1.00                 |
| <b>Date/Time Collected:</b> | NA - Not Applicable | <b>Instrument/File Name:</b> | msd20.i / 20092806r1 |
| <b>Media:</b>               | NA - Not Applicable |                              |                      |

| Compound                         | CAS#       | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|------------|----------------|----------------|-----------------------|-------------------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 0.15           | 0.74           | 3.7                   | Not Detected      |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 0.096          | 0.20           | 0.49                  | Not Detected      |
| 1,2-Dichlorobenzene              | 95-50-1    | 0.19           | 0.24           | 0.60                  | Not Detected      |
| 1,2-Dichloropropane              | 78-87-5    | 0.10           | 0.18           | 0.46                  | Not Detected      |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 0.086          | 0.20           | 0.49                  | Not Detected      |
| 1,3-Butadiene                    | 106-99-0   | 0.032          | 0.088          | 0.22                  | Not Detected      |
| 1,3-Dichlorobenzene              | 541-73-1   | 0.078          | 0.24           | 0.60                  | Not Detected      |
| 1,4-Dioxane                      | 123-91-1   | 0.11           | 0.14           | 0.36                  | Not Detected      |
| 2,2,4-Trimethylpentane           | 540-84-1   | 0.30           | 0.47           | 2.3                   | Not Detected      |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 0.10           | 0.29           | 1.5                   | Not Detected      |
| 2-Hexanone                       | 591-78-6   | 0.22           | 0.41           | 2.0                   | Not Detected      |
| 2-Propanol                       | 67-63-0    | 0.094          | 0.24           | 1.2                   | Not Detected      |
| 3-Chloropropene                  | 107-05-1   | 0.11           | 0.31           | 1.6                   | Not Detected      |
| 4-Ethyltoluene                   | 622-96-8   | 0.10           | 0.20           | 0.49                  | Not Detected      |
| 4-Methyl-2-pentanone             | 108-10-1   | 0.075          | 0.16           | 0.41                  | Not Detected      |
| Acetone                          | 67-64-1    | 0.16           | 0.24           | 1.2                   | 0.58 J            |
| alpha-Chlorotoluene              | 100-44-7   | 0.11           | 0.21           | 0.52                  | Not Detected      |
| Bromodichloromethane             | 75-27-4    | 0.10           | 0.27           | 0.67                  | Not Detected      |
| Bromoform                        | 75-25-2    | 0.19           | 0.41           | 1.0                   | Not Detected      |
| Bromomethane                     | 74-83-9    | 0.60           | 0.60           | 1.9                   | Not Detected      |
| Carbon Disulfide                 | 75-15-0    | 0.12           | 0.31           | 1.6                   | Not Detected      |
| Chlorobenzene                    | 108-90-7   | 0.12           | 0.18           | 0.46                  | Not Detected      |
| cis-1,3-Dichloropropene          | 10061-01-5 | 0.096          | 0.18           | 0.45                  | Not Detected      |
| Cumene                           | 98-82-8    | 0.078          | 0.20           | 0.49                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                      |
|---------------------------|---------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | Lab Blank           | <b>Date/Time Analyzed:</b>   | 9/28/16 11:19 AM     |
| <b>Lab ID:</b>            | 1609617AR2-14A      | <b>Dilution Factor:</b>      | 1.00                 |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092806r1 |
| <b>Media:</b>             | NA - Not Applicable |                              |                      |

| Compound                      | CAS#          | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------------|---------------|----------------|----------------|-----------------------|-------------------|
| Cyclohexane                   | 110-82-7      | 0.058          | 0.14           | 0.34                  | Not Detected      |
| Dibromochloromethane          | 124-48-1      | 0.14           | 0.34           | 0.85                  | Not Detected      |
| Ethanol                       | 64-17-5       | 0.20           | 0.20           | 0.94                  | Not Detected      |
| Freon 11                      | 75-69-4       | 0.072          | 0.22           | 0.56                  | Not Detected      |
| Freon 113                     | 76-13-1       | 0.22           | 0.31           | 0.77                  | Not Detected      |
| Heptane                       | 142-82-5      | 0.093          | 0.16           | 0.41                  | Not Detected      |
| Hexachlorobutadiene           | 87-68-3       | 0.27           | 1.1            | 5.3                   | Not Detected      |
| Hexane                        | 110-54-3      | 0.072          | 0.14           | 0.35                  | Not Detected      |
| Methylene Chloride            | 75-09-2       | 0.052          | 0.14           | 0.69                  | 0.10 J            |
| Propylbenzene                 | 103-65-1      | 0.089          | 0.20           | 0.49                  | Not Detected      |
| Styrene                       | 100-42-5      | 0.043          | 0.17           | 0.42                  | Not Detected      |
| Tetrahydrofuran               | 109-99-9      | 0.25           | 0.29           | 1.5                   | Not Detected      |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | NA             | D              | 41                    | Not Detected      |
| trans-1,3-Dichloropropene     | 10061-02-6    | 0.097          | 0.18           | 0.45                  | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 116       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 89        |
| Toluene-d8            | 2037-26-5  | 70-130 | 94        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                         |
|---------------------------|---------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | Lab Blank           | <b>Date/Time Analyzed:</b>   | 9/28/16 11:19 AM        |
| <b>Lab ID:</b>            | 1609617AR2-14B      | <b>Dilution Factor:</b>      | 1.00                    |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092806simr1 |
| <b>Media:</b>             | NA - Not Applicable |                              |                         |

| Compound                  | CAS#      | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|-----------|----------------|----------------|-----------------------|-------------------|
| 1,1,1-Trichloroethane     | 71-55-6   | 0.0046         | 0.027          | 0.11                  | Not Detected      |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 0.0045         | 0.034          | 0.14                  | 0.023 J           |
| 1,1,2-Trichloroethane     | 79-00-5   | 0.010          | 0.027          | 0.11                  | Not Detected      |
| 1,1-Dichloroethane        | 75-34-3   | 0.0029         | 0.020          | 0.081                 | Not Detected      |
| 1,1-Dichloroethene        | 75-35-4   | 0.0035         | 0.020          | 0.040                 | Not Detected      |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 0.0041         | 0.038          | 0.15                  | Not Detected      |
| 1,2-Dichloroethane        | 107-06-2  | 0.0044         | 0.020          | 0.081                 | Not Detected      |
| 1,4-Dichlorobenzene       | 106-46-7  | 0.0067         | 0.030          | 0.12                  | 0.028 J           |
| Benzene                   | 71-43-2   | 0.0023         | 0.016          | 0.16                  | 0.012 J           |
| Carbon Tetrachloride      | 56-23-5   | 0.0081         | 0.031          | 0.12                  | Not Detected      |
| Chloroethane              | 75-00-3   | 0.019          | 0.019          | 0.13                  | Not Detected      |
| Chloroform                | 67-66-3   | 0.0031         | 0.024          | 0.098                 | Not Detected      |
| Chloromethane             | 74-87-3   | 0.015          | 0.015          | 0.10                  | Not Detected      |
| cis-1,2-Dichloroethene    | 156-59-2  | 0.0042         | 0.020          | 0.079                 | Not Detected      |
| Ethyl Benzene             | 100-41-4  | 0.0040         | 0.022          | 0.087                 | Not Detected      |
| Freon 114                 | 76-14-2   | 0.0095         | 0.035          | 0.14                  | Not Detected      |
| Freon 12                  | 75-71-8   | 0.0076         | 0.025          | 0.099                 | Not Detected      |
| m,p-Xylene                | 108-38-3  | 0.0057         | 0.022          | 0.17                  | 0.032 J           |
| Methyl tert-butyl ether   | 1634-04-4 | 0.0019         | 0.018          | 0.36                  | Not Detected      |
| Naphthalene               | 91-20-3   | 0.0072         | 0.021          | 0.26                  | 0.046 J           |
| o-Xylene                  | 95-47-6   | 0.0054         | 0.022          | 0.087                 | Not Detected      |
| Tetrachloroethene         | 127-18-4  | 0.0066         | 0.034          | 0.14                  | Not Detected      |
| Toluene                   | 108-88-3  | 0.0033         | 0.019          | 0.075                 | 0.020 J           |
| trans-1,2-Dichloroethene  | 156-60-5  | 0.0044         | 0.020          | 0.40                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                         |
|---------------------------|---------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | Lab Blank           | <b>Date/Time Analyzed:</b>   | 9/28/16 11:19 AM        |
| <b>Lab ID:</b>            | 1609617AR2-14B      | <b>Dilution Factor:</b>      | 1.00                    |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092806simr1 |
| <b>Media:</b>             | NA - Not Applicable |                              |                         |

| Compound        | CAS#    | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-----------------|---------|----------------|----------------|-----------------------|-------------------|
| Trichloroethene | 79-01-6 | 0.0042         | 0.027          | 0.11                  | Not Detected      |
| Vinyl Chloride  | 75-01-4 | 0.0038         | 0.013          | 0.026                 | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 115       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 92        |
| Toluene-d8            | 2037-26-5  | 70-130 | 97        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                      |
|---------------------------|---------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | Lab Blank           | <b>Date/Time Analyzed:</b>   | 9/29/16 12:34 PM     |
| <b>Lab ID:</b>            | 1609617AR2-14C      | <b>Dilution Factor:</b>      | 1.00                 |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092907r1 |
| <b>Media:</b>             | NA - Not Applicable |                              |                      |

| Compound                         | CAS#       | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|------------|----------------|----------------|-----------------------|-------------------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 0.15           | 0.74           | 3.7                   | 0.21 J            |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 0.096          | 0.20           | 0.49                  | Not Detected      |
| 1,2-Dichlorobenzene              | 95-50-1    | 0.19           | 0.24           | 0.60                  | Not Detected      |
| 1,2-Dichloropropane              | 78-87-5    | 0.10           | 0.18           | 0.46                  | Not Detected      |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 0.086          | 0.20           | 0.49                  | Not Detected      |
| 1,3-Butadiene                    | 106-99-0   | 0.032          | 0.088          | 0.22                  | Not Detected      |
| 1,3-Dichlorobenzene              | 541-73-1   | 0.078          | 0.24           | 0.60                  | Not Detected      |
| 1,4-Dioxane                      | 123-91-1   | 0.11           | 0.14           | 0.36                  | Not Detected      |
| 2,2,4-Trimethylpentane           | 540-84-1   | 0.30           | 0.47           | 2.3                   | Not Detected      |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 0.10           | 0.29           | 1.5                   | Not Detected      |
| 2-Hexanone                       | 591-78-6   | 0.22           | 0.41           | 2.0                   | Not Detected      |
| 2-Propanol                       | 67-63-0    | 0.094          | 0.24           | 1.2                   | Not Detected      |
| 3-Chloropropene                  | 107-05-1   | 0.11           | 0.31           | 1.6                   | Not Detected      |
| 4-Ethyltoluene                   | 622-96-8   | 0.10           | 0.20           | 0.49                  | Not Detected      |
| 4-Methyl-2-pentanone             | 108-10-1   | 0.075          | 0.16           | 0.41                  | Not Detected      |
| Acetone                          | 67-64-1    | 0.16           | 0.24           | 1.2                   | Not Detected      |
| alpha-Chlorotoluene              | 100-44-7   | 0.11           | 0.21           | 0.52                  | Not Detected      |
| Bromodichloromethane             | 75-27-4    | 0.10           | 0.27           | 0.67                  | Not Detected      |
| Bromoform                        | 75-25-2    | 0.19           | 0.41           | 1.0                   | Not Detected      |
| Bromomethane                     | 74-83-9    | 0.60           | 0.60           | 1.9                   | Not Detected      |
| Carbon Disulfide                 | 75-15-0    | 0.12           | 0.31           | 1.6                   | Not Detected      |
| Chlorobenzene                    | 108-90-7   | 0.12           | 0.18           | 0.46                  | Not Detected      |
| cis-1,3-Dichloropropene          | 10061-01-5 | 0.096          | 0.18           | 0.45                  | Not Detected      |
| Cumene                           | 98-82-8    | 0.078          | 0.20           | 0.49                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                      |
|---------------------------|---------------------|------------------------------|----------------------|
| <b>Client ID:</b>         | Lab Blank           | <b>Date/Time Analyzed:</b>   | 9/29/16 12:34 PM     |
| <b>Lab ID:</b>            | 1609617AR2-14C      | <b>Dilution Factor:</b>      | 1.00                 |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092907r1 |
| <b>Media:</b>             | NA - Not Applicable |                              |                      |

| Compound                      | CAS#          | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------------|---------------|----------------|----------------|-----------------------|-------------------|
| Cyclohexane                   | 110-82-7      | 0.058          | 0.14           | 0.34                  | Not Detected      |
| Dibromochloromethane          | 124-48-1      | 0.14           | 0.34           | 0.85                  | Not Detected      |
| Ethanol                       | 64-17-5       | 0.20           | 0.20           | 0.94                  | Not Detected      |
| Freon 11                      | 75-69-4       | 0.072          | 0.22           | 0.56                  | Not Detected      |
| Freon 113                     | 76-13-1       | 0.22           | 0.31           | 0.77                  | Not Detected      |
| Heptane                       | 142-82-5      | 0.093          | 0.16           | 0.41                  | Not Detected      |
| Hexachlorobutadiene           | 87-68-3       | 0.27           | 1.1            | 5.3                   | Not Detected      |
| Hexane                        | 110-54-3      | 0.072          | 0.14           | 0.35                  | Not Detected      |
| Methylene Chloride            | 75-09-2       | 0.052          | 0.14           | 0.69                  | 0.18 J            |
| Propylbenzene                 | 103-65-1      | 0.089          | 0.20           | 0.49                  | Not Detected      |
| Styrene                       | 100-42-5      | 0.043          | 0.17           | 0.42                  | Not Detected      |
| Tetrahydrofuran               | 109-99-9      | 0.25           | 0.29           | 1.5                   | Not Detected      |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | NA             | D              | 41                    | Not Detected      |
| trans-1,3-Dichloropropene     | 10061-02-6    | 0.097          | 0.18           | 0.45                  | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 112       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 88        |
| Toluene-d8            | 2037-26-5  | 70-130 | 94        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                         |
|---------------------------|---------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | Lab Blank           | <b>Date/Time Analyzed:</b>   | 9/29/16 12:34 PM        |
| <b>Lab ID:</b>            | 1609617AR2-14D      | <b>Dilution Factor:</b>      | 1.00                    |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File Name:</b> | msd20.i / 20092907simr1 |
| <b>Media:</b>             | NA - Not Applicable |                              |                         |

| Compound                  | CAS#      | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------------------|-----------|----------------|----------------|-----------------------|-------------------|
| 1,1,1-Trichloroethane     | 71-55-6   | 0.0046         | 0.027          | 0.11                  | Not Detected      |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 0.0045         | 0.034          | 0.14                  | 0.029 J           |
| 1,1,2-Trichloroethane     | 79-00-5   | 0.010          | 0.027          | 0.11                  | Not Detected      |
| 1,1-Dichloroethane        | 75-34-3   | 0.0029         | 0.020          | 0.081                 | Not Detected      |
| 1,1-Dichloroethene        | 75-35-4   | 0.0035         | 0.020          | 0.040                 | Not Detected      |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 0.0041         | 0.038          | 0.15                  | 0.019 J           |
| 1,2-Dichloroethane        | 107-06-2  | 0.0044         | 0.020          | 0.081                 | Not Detected      |
| 1,4-Dichlorobenzene       | 106-46-7  | 0.0067         | 0.030          | 0.12                  | 0.036 J           |
| Benzene                   | 71-43-2   | 0.0023         | 0.016          | 0.16                  | 0.0094 J          |
| Carbon Tetrachloride      | 56-23-5   | 0.0081         | 0.031          | 0.12                  | Not Detected      |
| Chloroethane              | 75-00-3   | 0.019          | 0.019          | 0.13                  | Not Detected      |
| Chloroform                | 67-66-3   | 0.0031         | 0.024          | 0.098                 | Not Detected      |
| Chloromethane             | 74-87-3   | 0.015          | 0.015          | 0.10                  | Not Detected      |
| cis-1,2-Dichloroethene    | 156-59-2  | 0.0042         | 0.020          | 0.079                 | Not Detected      |
| Ethyl Benzene             | 100-41-4  | 0.0040         | 0.022          | 0.087                 | Not Detected      |
| Freon 114                 | 76-14-2   | 0.0095         | 0.035          | 0.14                  | Not Detected      |
| Freon 12                  | 75-71-8   | 0.0076         | 0.025          | 0.099                 | Not Detected      |
| m,p-Xylene                | 108-38-3  | 0.0057         | 0.022          | 0.17                  | Not Detected      |
| Methyl tert-butyl ether   | 1634-04-4 | 0.0019         | 0.018          | 0.36                  | Not Detected      |
| Naphthalene               | 91-20-3   | 0.0072         | 0.021          | 0.26                  | 0.021 J           |
| o-Xylene                  | 95-47-6   | 0.0054         | 0.022          | 0.087                 | Not Detected      |
| Tetrachloroethene         | 127-18-4  | 0.0066         | 0.034          | 0.14                  | Not Detected      |
| Toluene                   | 108-88-3  | 0.0033         | 0.019          | 0.075                 | 0.0074 J          |
| trans-1,2-Dichloroethene  | 156-60-5  | 0.0044         | 0.020          | 0.40                  | Not Detected      |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                         |
|---------------------------|---------------------|------------------------------|-------------------------|
| <b>Client ID:</b>         | Lab Blank           | <b>Date/Time Analyzed:</b>   | 9/29/16 12:34 PM        |
| <b>Lab ID:</b>            | 1609617AR2-14D      | <b>Dilution Factor:</b>      | 1.00                    |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092907simr1 |
| <b>Media:</b>             | NA - Not Applicable |                              |                         |

| Compound        | CAS#    | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-----------------|---------|----------------|----------------|-----------------------|-------------------|
| Trichloroethene | 79-01-6 | 0.0042         | 0.027          | 0.11                  | Not Detected      |
| Vinyl Chloride  | 75-01-4 | 0.0038         | 0.013          | 0.026                 | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 116       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 91        |
| Toluene-d8            | 2037-26-5  | 70-130 | 96        |

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                   |
|---------------------------|---------------------|------------------------------|-------------------|
| <b>Client ID:</b>         | Lab Blank           | <b>Date/Time Analyzed:</b>   | 9/30/16 11:28 AM  |
| <b>Lab ID:</b>            | 1609617AR2-14E      | <b>Dilution Factor:</b>      | 1.00              |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msda.i / a093006a |
| <b>Media:</b>             | NA - Not Applicable |                              |                   |

| Compound                         | CAS#     | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|----------------------------------|----------|----------------|----------------|-----------------------|-------------------|
| 1,1,1-Trichloroethane            | 71-55-6  | 0.58           | 1.0            | 2.7                   | Not Detected      |
| 1,1,2,2-Tetrachloroethane        | 79-34-5  | 0.19           | 1.3            | 3.4                   | Not Detected      |
| 1,1,2-Trichloroethane            | 79-00-5  | 0.56           | 1.0            | 2.7                   | Not Detected      |
| 1,1-Dichloroethane               | 75-34-3  | 0.35           | 0.77           | 2.0                   | Not Detected      |
| 1,1-Dichloroethene               | 75-35-4  | 0.92           | 0.92           | 2.0                   | Not Detected      |
| 1,2,4-Trichlorobenzene           | 120-82-1 | 0.76           | 3.7            | 15                    | Not Detected      |
| 1,2,4-Trimethylbenzene           | 95-63-6  | 0.25           | 0.93           | 2.4                   | Not Detected      |
| 1,2-Dibromoethane (EDB)          | 106-93-4 | 0.38           | 1.5            | 3.8                   | Not Detected      |
| 1,2-Dichlorobenzene              | 95-50-1  | 0.50           | 1.1            | 3.0                   | Not Detected      |
| 1,2-Dichloroethane               | 107-06-2 | 0.42           | 0.77           | 2.0                   | Not Detected      |
| 1,2-Dichloropropane              | 78-87-5  | 0.27           | 0.88           | 2.3                   | Not Detected      |
| 1,3,5-Trimethylbenzene           | 108-67-8 | 0.22           | 0.93           | 2.4                   | Not Detected      |
| 1,3-Butadiene                    | 106-99-0 | 0.27           | 0.42           | 1.1                   | Not Detected      |
| 1,3-Dichlorobenzene              | 541-73-1 | 0.45           | 1.1            | 3.0                   | Not Detected      |
| 1,4-Dichlorobenzene              | 106-46-7 | 0.31           | 1.1            | 3.0                   | Not Detected      |
| 1,4-Dioxane                      | 123-91-1 | 0.48           | 1.8            | 7.2                   | Not Detected      |
| 2,2,4-Trimethylpentane           | 540-84-1 | 0.27           | 0.89           | 2.3                   | Not Detected      |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3  | 1.2            | 1.5            | 5.9                   | Not Detected      |
| 2-Hexanone                       | 591-78-6 | 0.55           | 2.0            | 8.2                   | Not Detected      |
| 2-Propanol                       | 67-63-0  | 0.42           | 1.2            | 4.9                   | Not Detected      |
| 3-Chloropropene                  | 107-05-1 | 0.52           | 1.6            | 6.3                   | Not Detected      |
| 4-Ethyltoluene                   | 622-96-8 | 0.41           | 0.93           | 2.4                   | Not Detected      |
| 4-Methyl-2-pentanone             | 108-10-1 | 0.38           | 0.78           | 2.0                   | Not Detected      |
| Acetone                          | 67-64-1  | 1.2            | 1.2            | 12                    | 2.2 J             |

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                   |
|---------------------------|---------------------|------------------------------|-------------------|
| <b>Client ID:</b>         | Lab Blank           | <b>Date/Time Analyzed:</b>   | 9/30/16 11:28 AM  |
| <b>Lab ID:</b>            | 1609617AR2-14E      | <b>Dilution Factor:</b>      | 1.00              |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msda.i / a093006a |
| <b>Media:</b>             | NA - Not Applicable |                              |                   |

| Compound                | CAS#       | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------|------------|----------------|----------------|-----------------------|-------------------|
| alpha-Chlorotoluene     | 100-44-7   | 0.24           | 0.98           | 2.6                   | Not Detected      |
| Benzene                 | 71-43-2    | 0.23           | 0.61           | 1.6                   | Not Detected      |
| Bromodichloromethane    | 75-27-4    | 0.52           | 1.3            | 3.4                   | Not Detected      |
| Bromoform               | 75-25-2    | 0.30           | 2.0            | 5.2                   | Not Detected      |
| Bromomethane            | 74-83-9    | 0.60           | 1.9            | 19                    | Not Detected      |
| Carbon Disulfide        | 75-15-0    | 0.52           | 1.6            | 6.2                   | Not Detected      |
| Carbon Tetrachloride    | 56-23-5    | 0.41           | 1.2            | 3.1                   | Not Detected      |
| Chlorobenzene           | 108-90-7   | 0.12           | 0.87           | 2.3                   | Not Detected      |
| Chloroethane            | 75-00-3    | 0.78           | 1.3            | 5.3                   | Not Detected      |
| Chloroform              | 67-66-3    | 0.34           | 0.93           | 2.4                   | Not Detected      |
| Chloromethane           | 74-87-3    | 0.94           | 1.0            | 10                    | Not Detected      |
| cis-1,2-Dichloroethene  | 156-59-2   | 0.32           | 0.75           | 2.0                   | Not Detected      |
| cis-1,3-Dichloropropene | 10061-01-5 | 0.21           | 0.86           | 2.3                   | Not Detected      |
| Cumene                  | 98-82-8    | 0.13           | 0.93           | 2.4                   | Not Detected      |
| Cyclohexane             | 110-82-7   | 0.30           | 0.65           | 1.7                   | Not Detected      |
| Dibromochloromethane    | 124-48-1   | 0.21           | 1.6            | 4.2                   | Not Detected      |
| Ethanol                 | 64-17-5    | 1.1            | 1.1            | 3.8                   | 1.2 J             |
| Ethyl Benzene           | 100-41-4   | 0.23           | 0.82           | 2.2                   | Not Detected      |
| Freon 11                | 75-69-4    | 0.46           | 1.1            | 2.8                   | Not Detected      |
| Freon 113               | 76-13-1    | 0.50           | 1.4            | 3.8                   | Not Detected      |
| Freon 114               | 76-14-2    | 0.60           | 1.3            | 3.5                   | Not Detected      |
| Freon 12                | 75-71-8    | 0.27           | 0.94           | 2.5                   | Not Detected      |
| Heptane                 | 142-82-5   | 0.55           | 0.78           | 2.0                   | Not Detected      |
| Hexachlorobutadiene     | 87-68-3    | 1.4            | 5.3            | 21                    | Not Detected      |

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                   |
|---------------------------|---------------------|------------------------------|-------------------|
| <b>Client ID:</b>         | Lab Blank           | <b>Date/Time Analyzed:</b>   | 9/30/16 11:28 AM  |
| <b>Lab ID:</b>            | 1609617AR2-14E      | <b>Dilution Factor:</b>      | 1.00              |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msda.i / a093006a |
| <b>Media:</b>             | NA - Not Applicable |                              |                   |

| Compound                      | CAS#          | MDL<br>(ug/m3) | LOD<br>(ug/m3) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|-------------------------------|---------------|----------------|----------------|-----------------------|-------------------|
| Hexane                        | 110-54-3      | 0.30           | 0.67           | 1.8                   | Not Detected      |
| m,p-Xylene                    | 108-38-3      | 0.32           | 0.82           | 2.2                   | Not Detected      |
| Methyl tert-butyl ether       | 1634-04-4     | 0.18           | 0.68           | 7.2                   | Not Detected      |
| Methylene Chloride            | 75-09-2       | 0.85           | 1.7            | 17                    | Not Detected      |
| Naphthalene                   | 91-20-3       | 0.70           | 1.3            | 5.2                   | Not Detected      |
| o-Xylene                      | 95-47-6       | 0.39           | 0.82           | 2.2                   | Not Detected      |
| Propylbenzene                 | 103-65-1      | 0.24           | 0.93           | 2.4                   | Not Detected      |
| Styrene                       | 100-42-5      | 0.22           | 0.81           | 2.1                   | Not Detected      |
| Tetrachloroethene             | 127-18-4      | 0.37           | 1.3            | 3.4                   | Not Detected      |
| Tetrahydrofuran               | 109-99-9      | 0.15           | 0.56           | 1.5                   | Not Detected      |
| Toluene                       | 108-88-3      | 0.17           | 0.72           | 1.9                   | Not Detected      |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | NA             | D              | 200                   | Not Detected      |
| trans-1,2-Dichloroethene      | 156-60-5      | 0.59           | 0.75           | 2.0                   | Not Detected      |
| trans-1,3-Dichloropropene     | 10061-02-6    | 0.29           | 0.86           | 2.3                   | Not Detected      |
| Trichloroethene               | 79-01-6       | 0.50           | 1.0            | 2.7                   | Not Detected      |
| Vinyl Chloride                | 75-01-4       | 0.26           | 0.48           | 1.3                   | Not Detected      |

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 98        |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 102       |
| Toluene-d8            | 2037-26-5  | 70-130 | 99        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                    |
|---------------------------|---------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | CCV                 | <b>Date/Time Analyzed:</b>   | 9/28/16 07:30 AM   |
| <b>Lab ID:</b>            | 1609617AR2-15A      | <b>Dilution Factor:</b>      | 1.00               |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092802 |
| <b>Media:</b>             | NA - Not Applicable |                              |                    |

| Compound                         | CAS#       | %Recovery |
|----------------------------------|------------|-----------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 89        |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 111       |
| 1,2-Dichlorobenzene              | 95-50-1    | 104       |
| 1,2-Dichloropropane              | 78-87-5    | 110       |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 117       |
| 1,3-Butadiene                    | 106-99-0   | 98        |
| 1,3-Dichlorobenzene              | 541-73-1   | 104       |
| 1,4-Dioxane                      | 123-91-1   | 105       |
| 2,2,4-Trimethylpentane           | 540-84-1   | 97        |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 99        |
| 2-Hexanone                       | 591-78-6   | 111       |
| 2-Propanol                       | 67-63-0    | 90        |
| 3-Chloropropene                  | 107-05-1   | 99        |
| 4-Ethyltoluene                   | 622-96-8   | 98        |
| 4-Methyl-2-pentanone             | 108-10-1   | 122       |
| Acetone                          | 67-64-1    | 94        |
| alpha-Chlorotoluene              | 100-44-7   | 119       |
| Bromodichloromethane             | 75-27-4    | 125       |
| Bromoform                        | 75-25-2    | 127       |
| Bromomethane                     | 74-83-9    | 113       |
| Carbon Disulfide                 | 75-15-0    | 103       |
| Chlorobenzene                    | 108-90-7   | 109       |
| cis-1,3-Dichloropropene          | 10061-01-5 | 110       |
| Cumene                           | 98-82-8    | 117       |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                    |
|---------------------------|---------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | CCV                 | <b>Date/Time Analyzed:</b>   | 9/28/16 07:30 AM   |
| <b>Lab ID:</b>            | 1609617AR2-15A      | <b>Dilution Factor:</b>      | 1.00               |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092802 |
| <b>Media:</b>             | NA - Not Applicable |                              |                    |

| Compound                      | CAS#          | %Recovery |
|-------------------------------|---------------|-----------|
| Cyclohexane                   | 110-82-7      | 94        |
| Dibromochloromethane          | 124-48-1      | 129       |
| Ethanol                       | 64-17-5       | 92        |
| Freon 11                      | 75-69-4       | 100       |
| Freon 113                     | 76-13-1       | 93        |
| Heptane                       | 142-82-5      | 118       |
| Hexachlorobutadiene           | 87-68-3       | 87        |
| Hexane                        | 110-54-3      | 95        |
| Methylene Chloride            | 75-09-2       | 92        |
| Propylbenzene                 | 103-65-1      | 109       |
| Styrene                       | 100-42-5      | 117       |
| Tetrahydrofuran               | 109-99-9      | 102       |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | 100       |
| trans-1,3-Dichloropropene     | 10061-02-6    | 120       |

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 110       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 100       |
| Toluene-d8            | 2037-26-5  | 70-130 | 106       |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                       |
|---------------------------|---------------------|------------------------------|-----------------------|
| <b>Client ID:</b>         | CCV                 | <b>Date/Time Analyzed:</b>   | 9/28/16 07:30 AM      |
| <b>Lab ID:</b>            | 1609617AR2-15B      | <b>Dilution Factor:</b>      | 1.00                  |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092802sim |
| <b>Media:</b>             | NA - Not Applicable |                              |                       |

| Compound                  | CAS#      | %Recovery |
|---------------------------|-----------|-----------|
| 1,1,1-Trichloroethane     | 71-55-6   | 102       |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 123       |
| 1,1,2-Trichloroethane     | 79-00-5   | 112       |
| 1,1-Dichloroethane        | 75-34-3   | 99        |
| 1,1-Dichloroethene        | 75-35-4   | 84        |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 116       |
| 1,2-Dichloroethane        | 107-06-2  | 120       |
| 1,4-Dichlorobenzene       | 106-46-7  | 90        |
| Benzene                   | 71-43-2   | 94        |
| Carbon Tetrachloride      | 56-23-5   | 115       |
| Chloroethane              | 75-00-3   | 99        |
| Chloroform                | 67-66-3   | 101       |
| Chloromethane             | 74-87-3   | 92        |
| cis-1,2-Dichloroethene    | 156-59-2  | 91        |
| Ethyl Benzene             | 100-41-4  | 114       |
| Freon 114                 | 76-14-2   | 94        |
| Freon 12                  | 75-71-8   | 104       |
| m,p-Xylene                | 108-38-3  | 111       |
| Methyl tert-butyl ether   | 1634-04-4 | 93        |
| Naphthalene               | 91-20-3   | 68        |
| o-Xylene                  | 95-47-6   | 109       |
| Tetrachloroethene         | 127-18-4  | 100       |
| Toluene                   | 108-88-3  | 109       |
| trans-1,2-Dichloroethene  | 156-60-5  | 92        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                       |
|---------------------------|---------------------|------------------------------|-----------------------|
| <b>Client ID:</b>         | CCV                 | <b>Date/Time Analyzed:</b>   | 9/28/16 07:30 AM      |
| <b>Lab ID:</b>            | 1609617AR2-15B      | <b>Dilution Factor:</b>      | 1.00                  |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092802sim |
| <b>Media:</b>             | NA - Not Applicable |                              |                       |

| Compound        | CAS#    | %Recovery |
|-----------------|---------|-----------|
| Trichloroethene | 79-01-6 | 99        |
| Vinyl Chloride  | 75-01-4 | 93        |

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 108       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 102       |
| Toluene-d8            | 2037-26-5  | 70-130 | 107       |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                    |
|---------------------------|---------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | CCV                 | <b>Date/Time Analyzed:</b>   | 9/29/16 07:46 AM   |
| <b>Lab ID:</b>            | 1609617AR2-15C      | <b>Dilution Factor:</b>      | 1.00               |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092902 |
| <b>Media:</b>             | NA - Not Applicable |                              |                    |

| Compound                         | CAS#       | %Recovery |
|----------------------------------|------------|-----------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 87        |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 113       |
| 1,2-Dichlorobenzene              | 95-50-1    | 105       |
| 1,2-Dichloropropane              | 78-87-5    | 120       |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 118       |
| 1,3-Butadiene                    | 106-99-0   | 101       |
| 1,3-Dichlorobenzene              | 541-73-1   | 104       |
| 1,4-Dioxane                      | 123-91-1   | 111       |
| 2,2,4-Trimethylpentane           | 540-84-1   | 101       |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 101       |
| 2-Hexanone                       | 591-78-6   | 113       |
| 2-Propanol                       | 67-63-0    | 92        |
| 3-Chloropropene                  | 107-05-1   | 99        |
| 4-Ethyltoluene                   | 622-96-8   | 102       |
| 4-Methyl-2-pentanone             | 108-10-1   | 130       |
| Acetone                          | 67-64-1    | 96        |
| alpha-Chlorotoluene              | 100-44-7   | 120       |
| Bromodichloromethane             | 75-27-4    | 129       |
| Bromoform                        | 75-25-2    | 131 Q     |
| Bromomethane                     | 74-83-9    | 118       |
| Carbon Disulfide                 | 75-15-0    | 106       |
| Chlorobenzene                    | 108-90-7   | 111       |
| cis-1,3-Dichloropropene          | 10061-01-5 | 116       |
| Cumene                           | 98-82-8    | 118       |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                    |
|---------------------------|---------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | CCV                 | <b>Date/Time Analyzed:</b>   | 9/29/16 07:46 AM   |
| <b>Lab ID:</b>            | 1609617AR2-15C      | <b>Dilution Factor:</b>      | 1.00               |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092902 |
| <b>Media:</b>             | NA - Not Applicable |                              |                    |

| Compound                      | CAS#          | %Recovery |
|-------------------------------|---------------|-----------|
| Cyclohexane                   | 110-82-7      | 96        |
| Dibromochloromethane          | 124-48-1      | 132 Q     |
| Ethanol                       | 64-17-5       | 96        |
| Freon 11                      | 75-69-4       | 103       |
| Freon 113                     | 76-13-1       | 93        |
| Heptane                       | 142-82-5      | 127       |
| Hexachlorobutadiene           | 87-68-3       | 86        |
| Hexane                        | 110-54-3      | 96        |
| Methylene Chloride            | 75-09-2       | 94        |
| Propylbenzene                 | 103-65-1      | 111       |
| Styrene                       | 100-42-5      | 119       |
| Tetrahydrofuran               | 109-99-9      | 103       |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | 100       |
| trans-1,3-Dichloropropene     | 10061-02-6    | 123       |

Q = Exceeds Quality Control limits.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 109       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 100       |
| Toluene-d8            | 2037-26-5  | 70-130 | 108       |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                       |
|---------------------------|---------------------|------------------------------|-----------------------|
| <b>Client ID:</b>         | CCV                 | <b>Date/Time Analyzed:</b>   | 9/29/16 07:46 AM      |
| <b>Lab ID:</b>            | 1609617AR2-15D      | <b>Dilution Factor:</b>      | 1.00                  |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092902sim |
| <b>Media:</b>             | NA - Not Applicable |                              |                       |

| Compound                  | CAS#      | %Recovery |
|---------------------------|-----------|-----------|
| 1,1,1-Trichloroethane     | 71-55-6   | 105       |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 127       |
| 1,1,2-Trichloroethane     | 79-00-5   | 117       |
| 1,1-Dichloroethane        | 75-34-3   | 101       |
| 1,1-Dichloroethene        | 75-35-4   | 85        |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 121       |
| 1,2-Dichloroethane        | 107-06-2  | 126       |
| 1,4-Dichlorobenzene       | 106-46-7  | 92        |
| Benzene                   | 71-43-2   | 98        |
| Carbon Tetrachloride      | 56-23-5   | 117       |
| Chloroethane              | 75-00-3   | 102       |
| Chloroform                | 67-66-3   | 102       |
| Chloromethane             | 74-87-3   | 95        |
| cis-1,2-Dichloroethene    | 156-59-2  | 92        |
| Ethyl Benzene             | 100-41-4  | 118       |
| Freon 114                 | 76-14-2   | 96        |
| Freon 12                  | 75-71-8   | 106       |
| m,p-Xylene                | 108-38-3  | 115       |
| Methyl tert-butyl ether   | 1634-04-4 | 94        |
| Naphthalene               | 91-20-3   | 67        |
| o-Xylene                  | 95-47-6   | 112       |
| Tetrachloroethene         | 127-18-4  | 103       |
| Toluene                   | 108-88-3  | 112       |
| trans-1,2-Dichloroethene  | 156-60-5  | 94        |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                       |
|---------------------------|---------------------|------------------------------|-----------------------|
| <b>Client ID:</b>         | CCV                 | <b>Date/Time Analyzed:</b>   | 9/29/16 07:46 AM      |
| <b>Lab ID:</b>            | 1609617AR2-15D      | <b>Dilution Factor:</b>      | 1.00                  |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092902sim |
| <b>Media:</b>             | NA - Not Applicable |                              |                       |

| Compound        | CAS#    | %Recovery |
|-----------------|---------|-----------|
| Trichloroethene | 79-01-6 | 103       |
| Vinyl Chloride  | 75-01-4 | 95        |

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 109       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 102       |
| Toluene-d8            | 2037-26-5  | 70-130 | 106       |

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                  |
|---------------------------|---------------------|------------------------------|------------------|
| <b>Client ID:</b>         | CCV                 | <b>Date/Time Analyzed:</b>   | 9/30/16 09:35 AM |
| <b>Lab ID:</b>            | 1609617AR2-15E      | <b>Dilution Factor:</b>      | 1.00             |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msda.i / a093002 |
| <b>Media:</b>             | NA - Not Applicable |                              |                  |

| Compound                         | CAS#     | %Recovery |
|----------------------------------|----------|-----------|
| 1,1,1-Trichloroethane            | 71-55-6  | 88        |
| 1,1,2,2-Tetrachloroethane        | 79-34-5  | 87        |
| 1,1,2-Trichloroethane            | 79-00-5  | 83        |
| 1,1-Dichloroethane               | 75-34-3  | 91        |
| 1,1-Dichloroethene               | 75-35-4  | 93        |
| 1,2,4-Trichlorobenzene           | 120-82-1 | 96        |
| 1,2,4-Trimethylbenzene           | 95-63-6  | 90        |
| 1,2-Dibromoethane (EDB)          | 106-93-4 | 84        |
| 1,2-Dichlorobenzene              | 95-50-1  | 90        |
| 1,2-Dichloroethane               | 107-06-2 | 86        |
| 1,2-Dichloropropane              | 78-87-5  | 88        |
| 1,3,5-Trimethylbenzene           | 108-67-8 | 92        |
| 1,3-Butadiene                    | 106-99-0 | 86        |
| 1,3-Dichlorobenzene              | 541-73-1 | 87        |
| 1,4-Dichlorobenzene              | 106-46-7 | 91        |
| 1,4-Dioxane                      | 123-91-1 | 90        |
| 2,2,4-Trimethylpentane           | 540-84-1 | 94        |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3  | 94        |
| 2-Hexanone                       | 591-78-6 | 90        |
| 2-Propanol                       | 67-63-0  | 92        |
| 3-Chloropropene                  | 107-05-1 | 95        |
| 4-Ethyltoluene                   | 622-96-8 | 91        |
| 4-Methyl-2-pentanone             | 108-10-1 | 87        |
| Acetone                          | 67-64-1  | 87        |

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                  |
|---------------------------|---------------------|------------------------------|------------------|
| <b>Client ID:</b>         | CCV                 | <b>Date/Time Analyzed:</b>   | 9/30/16 09:35 AM |
| <b>Lab ID:</b>            | 1609617AR2-15E      | <b>Dilution Factor:</b>      | 1.00             |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msda.i / a093002 |
| <b>Media:</b>             | NA - Not Applicable |                              |                  |

| Compound                | CAS#       | %Recovery |
|-------------------------|------------|-----------|
| alpha-Chlorotoluene     | 100-44-7   | 93        |
| Benzene                 | 71-43-2    | 89        |
| Bromodichloromethane    | 75-27-4    | 90        |
| Bromoform               | 75-25-2    | 90        |
| Bromomethane            | 74-83-9    | 91        |
| Carbon Disulfide        | 75-15-0    | 90        |
| Carbon Tetrachloride    | 56-23-5    | 91        |
| Chlorobenzene           | 108-90-7   | 86        |
| Chloroethane            | 75-00-3    | 90        |
| Chloroform              | 67-66-3    | 93        |
| Chloromethane           | 74-87-3    | 90        |
| cis-1,2-Dichloroethene  | 156-59-2   | 94        |
| cis-1,3-Dichloropropene | 10061-01-5 | 90        |
| Cumene                  | 98-82-8    | 89        |
| Cyclohexane             | 110-82-7   | 90        |
| Dibromochloromethane    | 124-48-1   | 89        |
| Ethanol                 | 64-17-5    | 91        |
| Ethyl Benzene           | 100-41-4   | 88        |
| Freon 11                | 75-69-4    | 90        |
| Freon 113               | 76-13-1    | 91        |
| Freon 114               | 76-14-2    | 92        |
| Freon 12                | 75-71-8    | 90        |
| Heptane                 | 142-82-5   | 92        |
| Hexachlorobutadiene     | 87-68-3    | 97        |

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                  |
|---------------------------|---------------------|------------------------------|------------------|
| <b>Client ID:</b>         | CCV                 | <b>Date/Time Analyzed:</b>   | 9/30/16 09:35 AM |
| <b>Lab ID:</b>            | 1609617AR2-15E      | <b>Dilution Factor:</b>      | 1.00             |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msda.i / a093002 |
| <b>Media:</b>             | NA - Not Applicable |                              |                  |

| Compound                      | CAS#          | %Recovery |
|-------------------------------|---------------|-----------|
| Hexane                        | 110-54-3      | 90        |
| m,p-Xylene                    | 108-38-3      | 86        |
| Methyl tert-butyl ether       | 1634-04-4     | 90        |
| Methylene Chloride            | 75-09-2       | 91        |
| Naphthalene                   | 91-20-3       | 87        |
| o-Xylene                      | 95-47-6       | 91        |
| Propylbenzene                 | 103-65-1      | 90        |
| Styrene                       | 100-42-5      | 93        |
| Tetrachloroethene             | 127-18-4      | 84        |
| Tetrahydrofuran               | 109-99-9      | 88        |
| Toluene                       | 108-88-3      | 92        |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | 100       |
| trans-1,2-Dichloroethene      | 156-60-5      | 89        |
| trans-1,3-Dichloropropene     | 10061-02-6    | 90        |
| Trichloroethene               | 79-01-6       | 88        |
| Vinyl Chloride                | 75-01-4       | 87        |

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 98        |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 101       |
| Toluene-d8            | 2037-26-5  | 70-130 | 101       |

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                    |
|---------------------------|---------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | LCS                 | <b>Date/Time Analyzed:</b>   | 9/28/16 08:18 AM   |
| <b>Lab ID:</b>            | 1609617AR2-16A      | <b>Dilution Factor:</b>      | 1.00               |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092803 |
| <b>Media:</b>             | NA - Not Applicable |                              |                    |

| Compound                         | CAS#       | %Recovery |
|----------------------------------|------------|-----------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 76        |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 82        |
| 1,2-Dichlorobenzene              | 95-50-1    | 80        |
| 1,2-Dichloropropane              | 78-87-5    | 92        |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 87        |
| 1,3-Butadiene                    | 106-99-0   | 81        |
| 1,3-Dichlorobenzene              | 541-73-1   | 80        |
| 1,4-Dioxane                      | 123-91-1   | 83        |
| 2,2,4-Trimethylpentane           | 540-84-1   | 83        |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 78        |
| 2-Hexanone                       | 591-78-6   | 84        |
| 2-Propanol                       | 67-63-0    | 78        |
| 3-Chloropropene                  | 107-05-1   | 76        |
| 4-Ethyltoluene                   | 622-96-8   | 74        |
| 4-Methyl-2-pentanone             | 108-10-1   | 99        |
| Acetone                          | 67-64-1    | 83        |
| alpha-Chlorotoluene              | 100-44-7   | 101       |
| Bromodichloromethane             | 75-27-4    | 103       |
| Bromoform                        | 75-25-2    | 106       |
| Bromomethane                     | 74-83-9    | 100       |
| Carbon Disulfide                 | 75-15-0    | 75        |
| Chlorobenzene                    | 108-90-7   | 87        |
| cis-1,3-Dichloropropene          | 10061-01-5 | 83        |
| Cumene                           | 98-82-8    | 90        |

\* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                    |
|---------------------------|---------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | LCS                 | <b>Date/Time Analyzed:</b>   | 9/28/16 08:18 AM   |
| <b>Lab ID:</b>            | 1609617AR2-16A      | <b>Dilution Factor:</b>      | 1.00               |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092803 |
| <b>Media:</b>             | NA - Not Applicable |                              |                    |

| Compound                      | CAS#          | %Recovery  |
|-------------------------------|---------------|------------|
| Cyclohexane                   | 110-82-7      | 78         |
| Dibromochloromethane          | 124-48-1      | 103        |
| Ethanol                       | 64-17-5       | 85         |
| Freon 11                      | 75-69-4       | 87         |
| Freon 113                     | 76-13-1       | 76         |
| Heptane                       | 142-82-5      | 94         |
| Hexachlorobutadiene           | 87-68-3       | 74         |
| Hexane                        | 110-54-3      | 79         |
| Methylene Chloride            | 75-09-2       | 79         |
| Propylbenzene                 | 103-65-1      | 84         |
| Styrene                       | 100-42-5      | 87         |
| Tetrahydrofuran               | 109-99-9      | 81         |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | Not Spiked |
| trans-1,3-Dichloropropene     | 10061-02-6    | 95         |

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 111       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 100       |
| Toluene-d8            | 2037-26-5  | 70-130 | 107       |

\* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                    |
|---------------------------|---------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | LCSD                | <b>Date/Time Analyzed:</b>   | 9/28/16 09:04 AM   |
| <b>Lab ID:</b>            | 1609617AR2-16AA     | <b>Dilution Factor:</b>      | 1.00               |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092804 |
| <b>Media:</b>             | NA - Not Applicable |                              |                    |

| Compound                         | CAS#       | %Recovery |
|----------------------------------|------------|-----------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 77        |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 82        |
| 1,2-Dichlorobenzene              | 95-50-1    | 80        |
| 1,2-Dichloropropane              | 78-87-5    | 92        |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 86        |
| 1,3-Butadiene                    | 106-99-0   | 82        |
| 1,3-Dichlorobenzene              | 541-73-1   | 81        |
| 1,4-Dioxane                      | 123-91-1   | 81        |
| 2,2,4-Trimethylpentane           | 540-84-1   | 83        |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 80        |
| 2-Hexanone                       | 591-78-6   | 83        |
| 2-Propanol                       | 67-63-0    | 79        |
| 3-Chloropropene                  | 107-05-1   | 80        |
| 4-Ethyltoluene                   | 622-96-8   | 75        |
| 4-Methyl-2-pentanone             | 108-10-1   | 100       |
| Acetone                          | 67-64-1    | 84        |
| alpha-Chlorotoluene              | 100-44-7   | 100       |
| Bromodichloromethane             | 75-27-4    | 102       |
| Bromoform                        | 75-25-2    | 104       |
| Bromomethane                     | 74-83-9    | 96        |
| Carbon Disulfide                 | 75-15-0    | 77        |
| Chlorobenzene                    | 108-90-7   | 84        |
| cis-1,3-Dichloropropene          | 10061-01-5 | 83        |
| Cumene                           | 98-82-8    | 88        |

\* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                    |
|---------------------------|---------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | LCSD                | <b>Date/Time Analyzed:</b>   | 9/28/16 09:04 AM   |
| <b>Lab ID:</b>            | 1609617AR2-16AA     | <b>Dilution Factor:</b>      | 1.00               |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092804 |
| <b>Media:</b>             | NA - Not Applicable |                              |                    |

| Compound                      | CAS#          | %Recovery  |
|-------------------------------|---------------|------------|
| Cyclohexane                   | 110-82-7      | 79         |
| Dibromochloromethane          | 124-48-1      | 101        |
| Ethanol                       | 64-17-5       | 85         |
| Freon 11                      | 75-69-4       | 88         |
| Freon 113                     | 76-13-1       | 76         |
| Heptane                       | 142-82-5      | 95         |
| Hexachlorobutadiene           | 87-68-3       | 75         |
| Hexane                        | 110-54-3      | 80         |
| Methylene Chloride            | 75-09-2       | 79         |
| Propylbenzene                 | 103-65-1      | 85         |
| Styrene                       | 100-42-5      | 85         |
| Tetrahydrofuran               | 109-99-9      | 82         |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | Not Spiked |
| trans-1,3-Dichloropropene     | 10061-02-6    | 94         |

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 105       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 98        |
| Toluene-d8            | 2037-26-5  | 70-130 | 107       |

\* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                       |
|---------------------------|---------------------|------------------------------|-----------------------|
| <b>Client ID:</b>         | LCS                 | <b>Date/Time Analyzed:</b>   | 9/28/16 08:18 AM      |
| <b>Lab ID:</b>            | 1609617AR2-16B      | <b>Dilution Factor:</b>      | 1.00                  |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092803sim |
| <b>Media:</b>             | NA - Not Applicable |                              |                       |

| Compound                  | CAS#      | %Recovery |
|---------------------------|-----------|-----------|
| 1,1,1-Trichloroethane     | 71-55-6   | 86        |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 99        |
| 1,1,2-Trichloroethane     | 79-00-5   | 92        |
| 1,1-Dichloroethane        | 75-34-3   | 81        |
| 1,1-Dichloroethene        | 75-35-4   | 72        |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 95        |
| 1,2-Dichloroethane        | 107-06-2  | 96        |
| 1,4-Dichlorobenzene       | 106-46-7  | 71        |
| Benzene                   | 71-43-2   | 78        |
| Carbon Tetrachloride      | 56-23-5   | 108       |
| Chloroethane              | 75-00-3   | 86        |
| Chloroform                | 67-66-3   | 85        |
| Chloromethane             | 74-87-3   | 80        |
| cis-1,2-Dichloroethene    | 156-59-2  | 73        |
| Ethyl Benzene             | 100-41-4  | 91        |
| Freon 114                 | 76-14-2   | 86        |
| Freon 12                  | 75-71-8   | 93        |
| m,p-Xylene                | 108-38-3  | 89        |
| Methyl tert-butyl ether   | 1634-04-4 | 74        |
| Naphthalene               | 91-20-3   | 56 Q      |
| o-Xylene                  | 95-47-6   | 88        |
| Tetrachloroethene         | 127-18-4  | 83        |
| Toluene                   | 108-88-3  | 89        |
| trans-1,2-Dichloroethene  | 156-60-5  | 80        |

\* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                       |
|---------------------------|---------------------|------------------------------|-----------------------|
| <b>Client ID:</b>         | LCS                 | <b>Date/Time Analyzed:</b>   | 9/28/16 08:18 AM      |
| <b>Lab ID:</b>            | 1609617AR2-16B      | <b>Dilution Factor:</b>      | 1.00                  |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092803sim |
| <b>Media:</b>             | NA - Not Applicable |                              |                       |

| Compound        | CAS#    | %Recovery |
|-----------------|---------|-----------|
| Trichloroethene | 79-01-6 | 82        |
| Vinyl Chloride  | 75-01-4 | 83        |

Q = Exceeds Quality Control limits.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 108       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 103       |
| Toluene-d8            | 2037-26-5  | 70-130 | 107       |

\* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                                               |                                                    |
|-----------------------------------------------|----------------------------------------------------|
| <b>Client ID:</b> LCSD                        | <b>Date/Time Analyzed:</b> 9/28/16 09:04 AM        |
| <b>Lab ID:</b> 1609617AR2-16BB                | <b>Dilution Factor:</b> 1.00                       |
| <b>Date/Time Collecte</b> NA - Not Applicable | <b>Instrument/File name:</b> msd20.i / 20092804sim |
| <b>Media:</b> NA - Not Applicable             |                                                    |

| Compound                  | CAS#      | %Recovery |
|---------------------------|-----------|-----------|
| 1,1,1-Trichloroethane     | 71-55-6   | 86        |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 99        |
| 1,1,2-Trichloroethane     | 79-00-5   | 91        |
| 1,1-Dichloroethane        | 75-34-3   | 80        |
| 1,1-Dichloroethene        | 75-35-4   | 72        |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 94        |
| 1,2-Dichloroethane        | 107-06-2  | 94        |
| 1,4-Dichlorobenzene       | 106-46-7  | 71        |
| Benzene                   | 71-43-2   | 76        |
| Carbon Tetrachloride      | 56-23-5   | 107       |
| Chloroethane              | 75-00-3   | 85        |
| Chloroform                | 67-66-3   | 84        |
| Chloromethane             | 74-87-3   | 78        |
| cis-1,2-Dichloroethene    | 156-59-2  | 73        |
| Ethyl Benzene             | 100-41-4  | 89        |
| Freon 114                 | 76-14-2   | 83        |
| Freon 12                  | 75-71-8   | 90        |
| m,p-Xylene                | 108-38-3  | 88        |
| Methyl tert-butyl ether   | 1634-04-4 | 75        |
| Naphthalene               | 91-20-3   | 58 Q      |
| o-Xylene                  | 95-47-6   | 87        |
| Tetrachloroethene         | 127-18-4  | 81        |
| Toluene                   | 108-88-3  | 87        |
| trans-1,2-Dichloroethene  | 156-60-5  | 79        |

\* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                       |
|---------------------------|---------------------|------------------------------|-----------------------|
| <b>Client ID:</b>         | LCSD                | <b>Date/Time Analyzed:</b>   | 9/28/16 09:04 AM      |
| <b>Lab ID:</b>            | 1609617AR2-16BB     | <b>Dilution Factor:</b>      | 1.00                  |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092804sim |
| <b>Media:</b>             | NA - Not Applicable |                              |                       |

| Compound        | CAS#    | %Recovery |
|-----------------|---------|-----------|
| Trichloroethene | 79-01-6 | 80        |
| Vinyl Chloride  | 75-01-4 | 81        |

Q = Exceeds Quality Control limits.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 109       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 104       |
| Toluene-d8            | 2037-26-5  | 70-130 | 106       |

\* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                    |
|---------------------------|---------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | LCS                 | <b>Date/Time Analyzed:</b>   | 9/29/16 09:34 AM   |
| <b>Lab ID:</b>            | 1609617AR2-16C      | <b>Dilution Factor:</b>      | 1.00               |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File Name:</b> | msd20.i / 20092904 |
| <b>Media:</b>             | NA - Not Applicable |                              |                    |

| Compound                         | CAS#       | %Recovery |
|----------------------------------|------------|-----------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 81        |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 78        |
| 1,2-Dichlorobenzene              | 95-50-1    | 81        |
| 1,2-Dichloropropane              | 78-87-5    | 87        |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 85        |
| 1,3-Butadiene                    | 106-99-0   | 78        |
| 1,3-Dichlorobenzene              | 541-73-1   | 80        |
| 1,4-Dioxane                      | 123-91-1   | 77        |
| 2,2,4-Trimethylpentane           | 540-84-1   | 78        |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 75        |
| 2-Hexanone                       | 591-78-6   | 80        |
| 2-Propanol                       | 67-63-0    | 78        |
| 3-Chloropropene                  | 107-05-1   | 72        |
| 4-Ethyltoluene                   | 622-96-8   | 75        |
| 4-Methyl-2-pentanone             | 108-10-1   | 92        |
| Acetone                          | 67-64-1    | 93        |
| alpha-Chlorotoluene              | 100-44-7   | 99        |
| Bromodichloromethane             | 75-27-4    | 97        |
| Bromoform                        | 75-25-2    | 99        |
| Bromomethane                     | 74-83-9    | 99        |
| Carbon Disulfide                 | 75-15-0    | 73        |
| Chlorobenzene                    | 108-90-7   | 82        |
| cis-1,3-Dichloropropene          | 10061-01-5 | 76        |
| Cumene                           | 98-82-8    | 88        |

\* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                    |
|---------------------------|---------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | LCS                 | <b>Date/Time Analyzed:</b>   | 9/29/16 09:34 AM   |
| <b>Lab ID:</b>            | 1609617AR2-16C      | <b>Dilution Factor:</b>      | 1.00               |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092904 |
| <b>Media:</b>             | NA - Not Applicable |                              |                    |

| Compound                      | CAS#          | %Recovery  |
|-------------------------------|---------------|------------|
| Cyclohexane                   | 110-82-7      | 75         |
| Dibromochloromethane          | 124-48-1      | 98         |
| Ethanol                       | 64-17-5       | 77         |
| Freon 11                      | 75-69-4       | 83         |
| Freon 113                     | 76-13-1       | 73         |
| Heptane                       | 142-82-5      | 88         |
| Hexachlorobutadiene           | 87-68-3       | 81         |
| Hexane                        | 110-54-3      | 76         |
| Methylene Chloride            | 75-09-2       | 77         |
| Propylbenzene                 | 103-65-1      | 85         |
| Styrene                       | 100-42-5      | 82         |
| Tetrahydrofuran               | 109-99-9      | 76         |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | Not Spiked |
| trans-1,3-Dichloropropene     | 10061-02-6    | 89         |

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 108       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 101       |
| Toluene-d8            | 2037-26-5  | 70-130 | 104       |

\* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                    |
|---------------------------|---------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | LCSD                | <b>Date/Time Analyzed:</b>   | 9/29/16 10:43 AM   |
| <b>Lab ID:</b>            | 1609617AR2-16CC     | <b>Dilution Factor:</b>      | 1.00               |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092905 |
| <b>Media:</b>             | NA - Not Applicable |                              |                    |

| Compound                         | CAS#       | %Recovery |
|----------------------------------|------------|-----------|
| 1,2,4-Trichlorobenzene           | 120-82-1   | 72        |
| 1,2,4-Trimethylbenzene           | 95-63-6    | 76        |
| 1,2-Dichlorobenzene              | 95-50-1    | 77        |
| 1,2-Dichloropropane              | 78-87-5    | 85        |
| 1,3,5-Trimethylbenzene           | 108-67-8   | 82        |
| 1,3-Butadiene                    | 106-99-0   | 77        |
| 1,3-Dichlorobenzene              | 541-73-1   | 77        |
| 1,4-Dioxane                      | 123-91-1   | 75        |
| 2,2,4-Trimethylpentane           | 540-84-1   | 78        |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3    | 74        |
| 2-Hexanone                       | 591-78-6   | 79        |
| 2-Propanol                       | 67-63-0    | 74        |
| 3-Chloropropene                  | 107-05-1   | 73        |
| 4-Ethyltoluene                   | 622-96-8   | 74        |
| 4-Methyl-2-pentanone             | 108-10-1   | 89        |
| Acetone                          | 67-64-1    | 94        |
| alpha-Chlorotoluene              | 100-44-7   | 95        |
| Bromodichloromethane             | 75-27-4    | 96        |
| Bromoform                        | 75-25-2    | 98        |
| Bromomethane                     | 74-83-9    | 96        |
| Carbon Disulfide                 | 75-15-0    | 72        |
| Chlorobenzene                    | 108-90-7   | 79        |
| cis-1,3-Dichloropropene          | 10061-01-5 | 76        |
| Cumene                           | 98-82-8    | 87        |

\* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                    |
|---------------------------|---------------------|------------------------------|--------------------|
| <b>Client ID:</b>         | LCSD                | <b>Date/Time Analyzed:</b>   | 9/29/16 10:43 AM   |
| <b>Lab ID:</b>            | 1609617AR2-16CC     | <b>Dilution Factor:</b>      | 1.00               |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092905 |
| <b>Media:</b>             | NA - Not Applicable |                              |                    |

| Compound                      | CAS#          | %Recovery  |
|-------------------------------|---------------|------------|
| Cyclohexane                   | 110-82-7      | 73         |
| Dibromochloromethane          | 124-48-1      | 95         |
| Ethanol                       | 64-17-5       | 79         |
| Freon 11                      | 75-69-4       | 83         |
| Freon 113                     | 76-13-1       | 73         |
| Heptane                       | 142-82-5      | 85         |
| Hexachlorobutadiene           | 87-68-3       | 74         |
| Hexane                        | 110-54-3      | 76         |
| Methylene Chloride            | 75-09-2       | 76         |
| Propylbenzene                 | 103-65-1      | 84         |
| Styrene                       | 100-42-5      | 81         |
| Tetrahydrofuran               | 109-99-9      | 78         |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | Not Spiked |
| trans-1,3-Dichloropropene     | 10061-02-6    | 89         |

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 104       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 100       |
| Toluene-d8            | 2037-26-5  | 70-130 | 104       |

\* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                       |
|---------------------------|---------------------|------------------------------|-----------------------|
| <b>Client ID:</b>         | LCS                 | <b>Date/Time Analyzed:</b>   | 9/29/16 09:34 AM      |
| <b>Lab ID:</b>            | 1609617AR2-16D      | <b>Dilution Factor:</b>      | 1.00                  |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092904sim |
| <b>Media:</b>             | NA - Not Applicable |                              |                       |

| Compound                  | CAS#      | %Recovery |
|---------------------------|-----------|-----------|
| 1,1,1-Trichloroethane     | 71-55-6   | 82        |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 95        |
| 1,1,2-Trichloroethane     | 79-00-5   | 87        |
| 1,1-Dichloroethane        | 75-34-3   | 77        |
| 1,1-Dichloroethene        | 75-35-4   | 68 Q      |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 90        |
| 1,2-Dichloroethane        | 107-06-2  | 92        |
| 1,4-Dichlorobenzene       | 106-46-7  | 71        |
| Benzene                   | 71-43-2   | 74        |
| Carbon Tetrachloride      | 56-23-5   | 102       |
| Chloroethane              | 75-00-3   | 83        |
| Chloroform                | 67-66-3   | 80        |
| Chloromethane             | 74-87-3   | 76        |
| cis-1,2-Dichloroethene    | 156-59-2  | 70        |
| Ethyl Benzene             | 100-41-4  | 87        |
| Freon 114                 | 76-14-2   | 80        |
| Freon 12                  | 75-71-8   | 87        |
| m,p-Xylene                | 108-38-3  | 86        |
| Methyl tert-butyl ether   | 1634-04-4 | 71        |
| Naphthalene               | 91-20-3   | 60        |
| o-Xylene                  | 95-47-6   | 84        |
| Tetrachloroethene         | 127-18-4  | 77        |
| Toluene                   | 108-88-3  | 84        |
| trans-1,2-Dichloroethene  | 156-60-5  | 76        |

\* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                       |
|---------------------------|---------------------|------------------------------|-----------------------|
| <b>Client ID:</b>         | LCS                 | <b>Date/Time Analyzed:</b>   | 9/29/16 09:34 AM      |
| <b>Lab ID:</b>            | 1609617AR2-16D      | <b>Dilution Factor:</b>      | 1.00                  |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092904sim |
| <b>Media:</b>             | NA - Not Applicable |                              |                       |

| Compound        | CAS#    | %Recovery |
|-----------------|---------|-----------|
| Trichloroethene | 79-01-6 | 77        |
| Vinyl Chloride  | 75-01-4 | 78        |

Q = Exceeds Quality Control limits.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 108       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 104       |
| Toluene-d8            | 2037-26-5  | 70-130 | 106       |

\* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                                               |                                                    |
|-----------------------------------------------|----------------------------------------------------|
| <b>Client ID:</b> LCSD                        | <b>Date/Time Analyzed:</b> 9/29/16 10:43 AM        |
| <b>Lab ID:</b> 1609617AR2-16DD                | <b>Dilution Factor:</b> 1.00                       |
| <b>Date/Time Collecte</b> NA - Not Applicable | <b>Instrument/File name:</b> msd20.i / 20092905sim |
| <b>Media:</b> NA - Not Applicable             |                                                    |

| Compound                  | CAS#      | %Recovery |
|---------------------------|-----------|-----------|
| 1,1,1-Trichloroethane     | 71-55-6   | 80        |
| 1,1,2,2-Tetrachloroethane | 79-34-5   | 93        |
| 1,1,2-Trichloroethane     | 79-00-5   | 85        |
| 1,1-Dichloroethane        | 75-34-3   | 76        |
| 1,1-Dichloroethene        | 75-35-4   | 68 Q      |
| 1,2-Dibromoethane (EDB)   | 106-93-4  | 88        |
| 1,2-Dichloroethane        | 107-06-2  | 89        |
| 1,4-Dichlorobenzene       | 106-46-7  | 68 Q      |
| Benzene                   | 71-43-2   | 72        |
| Carbon Tetrachloride      | 56-23-5   | 100       |
| Chloroethane              | 75-00-3   | 82        |
| Chloroform                | 67-66-3   | 79        |
| Chloromethane             | 74-87-3   | 75        |
| cis-1,2-Dichloroethene    | 156-59-2  | 69 Q      |
| Ethyl Benzene             | 100-41-4  | 85        |
| Freon 114                 | 76-14-2   | 79        |
| Freon 12                  | 75-71-8   | 86        |
| m,p-Xylene                | 108-38-3  | 84        |
| Methyl tert-butyl ether   | 1634-04-4 | 70        |
| Naphthalene               | 91-20-3   | 51 Q      |
| o-Xylene                  | 95-47-6   | 83        |
| Tetrachloroethene         | 127-18-4  | 76        |
| Toluene                   | 108-88-3  | 82        |
| trans-1,2-Dichloroethene  | 156-60-5  | 75        |

\* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                       |
|---------------------------|---------------------|------------------------------|-----------------------|
| <b>Client ID:</b>         | LCSD                | <b>Date/Time Analyzed:</b>   | 9/29/16 10:43 AM      |
| <b>Lab ID:</b>            | 1609617AR2-16DD     | <b>Dilution Factor:</b>      | 1.00                  |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msd20.i / 20092905sim |
| <b>Media:</b>             | NA - Not Applicable |                              |                       |

| Compound        | CAS#    | %Recovery |
|-----------------|---------|-----------|
| Trichloroethene | 79-01-6 | 76        |
| Vinyl Chloride  | 75-01-4 | 78        |

Q = Exceeds Quality Control limits.

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 108       |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 105       |
| Toluene-d8            | 2037-26-5  | 70-130 | 106       |

\* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                  |
|---------------------------|---------------------|------------------------------|------------------|
| <b>Client ID:</b>         | LCS                 | <b>Date/Time Analyzed:</b>   | 9/30/16 10:01 AM |
| <b>Lab ID:</b>            | 1609617AR2-16E      | <b>Dilution Factor:</b>      | 1.00             |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msda.i / a093003 |
| <b>Media:</b>             | NA - Not Applicable |                              |                  |

| Compound                         | CAS#     | %Recovery |
|----------------------------------|----------|-----------|
| 1,1,1-Trichloroethane            | 71-55-6  | 86        |
| 1,1,2,2-Tetrachloroethane        | 79-34-5  | 83        |
| 1,1,2-Trichloroethane            | 79-00-5  | 81        |
| 1,1-Dichloroethane               | 75-34-3  | 88        |
| 1,1-Dichloroethene               | 75-35-4  | 92        |
| 1,2,4-Trichlorobenzene           | 120-82-1 | 91        |
| 1,2,4-Trimethylbenzene           | 95-63-6  | 88        |
| 1,2-Dibromoethane (EDB)          | 106-93-4 | 81        |
| 1,2-Dichlorobenzene              | 95-50-1  | 87        |
| 1,2-Dichloroethane               | 107-06-2 | 86        |
| 1,2-Dichloropropane              | 78-87-5  | 88        |
| 1,3,5-Trimethylbenzene           | 108-67-8 | 88        |
| 1,3-Butadiene                    | 106-99-0 | 82        |
| 1,3-Dichlorobenzene              | 541-73-1 | 84        |
| 1,4-Dichlorobenzene              | 106-46-7 | 86        |
| 1,4-Dioxane                      | 123-91-1 | 88        |
| 2,2,4-Trimethylpentane           | 540-84-1 | 92        |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3  | 94        |
| 2-Hexanone                       | 591-78-6 | 88        |
| 2-Propanol                       | 67-63-0  | 91        |
| 3-Chloropropene                  | 107-05-1 | 84        |
| 4-Ethyltoluene                   | 622-96-8 | 87        |
| 4-Methyl-2-pentanone             | 108-10-1 | 87        |
| Acetone                          | 67-64-1  | 82        |

\* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                  |
|---------------------------|---------------------|------------------------------|------------------|
| <b>Client ID:</b>         | LCS                 | <b>Date/Time Analyzed:</b>   | 9/30/16 10:01 AM |
| <b>Lab ID:</b>            | 1609617AR2-16E      | <b>Dilution Factor:</b>      | 1.00             |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msda.i / a093003 |
| <b>Media:</b>             | NA - Not Applicable |                              |                  |

| Compound                | CAS#       | %Recovery |
|-------------------------|------------|-----------|
| alpha-Chlorotoluene     | 100-44-7   | 92        |
| Benzene                 | 71-43-2    | 88        |
| Bromodichloromethane    | 75-27-4    | 91        |
| Bromoform               | 75-25-2    | 88        |
| Bromomethane            | 74-83-9    | 92        |
| Carbon Disulfide        | 75-15-0    | 78        |
| Carbon Tetrachloride    | 56-23-5    | 89        |
| Chlorobenzene           | 108-90-7   | 82        |
| Chloroethane            | 75-00-3    | 91        |
| Chloroform              | 67-66-3    | 88        |
| Chloromethane           | 74-87-3    | 88        |
| cis-1,2-Dichloroethene  | 156-59-2   | 89        |
| cis-1,3-Dichloropropene | 10061-01-5 | 84        |
| Cumene                  | 98-82-8    | 84        |
| Cyclohexane             | 110-82-7   | 86        |
| Dibromochloromethane    | 124-48-1   | 85        |
| Ethanol                 | 64-17-5    | 94        |
| Ethyl Benzene           | 100-41-4   | 86        |
| Freon 11                | 75-69-4    | 89        |
| Freon 113               | 76-13-1    | 87        |
| Freon 114               | 76-14-2    | 93        |
| Freon 12                | 75-71-8    | 90        |
| Heptane                 | 142-82-5   | 93        |
| Hexachlorobutadiene     | 87-68-3    | 90        |

\* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                  |
|---------------------------|---------------------|------------------------------|------------------|
| <b>Client ID:</b>         | LCS                 | <b>Date/Time Analyzed:</b>   | 9/30/16 10:01 AM |
| <b>Lab ID:</b>            | 1609617AR2-16E      | <b>Dilution Factor:</b>      | 1.00             |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msda.i / a093003 |
| <b>Media:</b>             | NA - Not Applicable |                              |                  |

| Compound                      | CAS#          | %Recovery  |
|-------------------------------|---------------|------------|
| Hexane                        | 110-54-3      | 89         |
| m,p-Xylene                    | 108-38-3      | 81         |
| Methyl tert-butyl ether       | 1634-04-4     | 88         |
| Methylene Chloride            | 75-09-2       | 85         |
| Naphthalene                   | 91-20-3       | 102        |
| o-Xylene                      | 95-47-6       | 86         |
| Propylbenzene                 | 103-65-1      | 87         |
| Styrene                       | 100-42-5      | 88         |
| Tetrachloroethene             | 127-18-4      | 81         |
| Tetrahydrofuran               | 109-99-9      | 83         |
| Toluene                       | 108-88-3      | 91         |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | Not Spiked |
| trans-1,2-Dichloroethene      | 156-60-5      | 88         |
| trans-1,3-Dichloropropene     | 10061-02-6    | 83         |
| Trichloroethene               | 79-01-6       | 88         |
| Vinyl Chloride                | 75-01-4       | 87         |

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 95        |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 100       |
| Toluene-d8            | 2037-26-5  | 70-130 | 102       |

\* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                  |
|---------------------------|---------------------|------------------------------|------------------|
| <b>Client ID:</b>         | LCSD                | <b>Date/Time Analyzed:</b>   | 9/30/16 10:27 AM |
| <b>Lab ID:</b>            | 1609617AR2-16EE     | <b>Dilution Factor:</b>      | 1.00             |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msda.i / a093004 |
| <b>Media:</b>             | NA - Not Applicable |                              |                  |

| Compound                         | CAS#     | %Recovery |
|----------------------------------|----------|-----------|
| 1,1,1-Trichloroethane            | 71-55-6  | 84        |
| 1,1,2,2-Tetrachloroethane        | 79-34-5  | 85        |
| 1,1,2-Trichloroethane            | 79-00-5  | 81        |
| 1,1-Dichloroethane               | 75-34-3  | 86        |
| 1,1-Dichloroethene               | 75-35-4  | 92        |
| 1,2,4-Trichlorobenzene           | 120-82-1 | 104       |
| 1,2,4-Trimethylbenzene           | 95-63-6  | 89        |
| 1,2-Dibromoethane (EDB)          | 106-93-4 | 81        |
| 1,2-Dichlorobenzene              | 95-50-1  | 88        |
| 1,2-Dichloroethane               | 107-06-2 | 84        |
| 1,2-Dichloropropane              | 78-87-5  | 87        |
| 1,3,5-Trimethylbenzene           | 108-67-8 | 93        |
| 1,3-Butadiene                    | 106-99-0 | 80        |
| 1,3-Dichlorobenzene              | 541-73-1 | 85        |
| 1,4-Dichlorobenzene              | 106-46-7 | 88        |
| 1,4-Dioxane                      | 123-91-1 | 87        |
| 2,2,4-Trimethylpentane           | 540-84-1 | 90        |
| 2-Butanone (Methyl Ethyl Ketone) | 78-93-3  | 91        |
| 2-Hexanone                       | 591-78-6 | 88        |
| 2-Propanol                       | 67-63-0  | 91        |
| 3-Chloropropene                  | 107-05-1 | 85        |
| 4-Ethyltoluene                   | 622-96-8 | 84        |
| 4-Methyl-2-pentanone             | 108-10-1 | 86        |
| Acetone                          | 67-64-1  | 83        |

\* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                  |
|---------------------------|---------------------|------------------------------|------------------|
| <b>Client ID:</b>         | LCSD                | <b>Date/Time Analyzed:</b>   | 9/30/16 10:27 AM |
| <b>Lab ID:</b>            | 1609617AR2-16EE     | <b>Dilution Factor:</b>      | 1.00             |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msda.i / a093004 |
| <b>Media:</b>             | NA - Not Applicable |                              |                  |

| Compound                | CAS#       | %Recovery |
|-------------------------|------------|-----------|
| alpha-Chlorotoluene     | 100-44-7   | 94        |
| Benzene                 | 71-43-2    | 86        |
| Bromodichloromethane    | 75-27-4    | 90        |
| Bromoform               | 75-25-2    | 88        |
| Bromomethane            | 74-83-9    | 90        |
| Carbon Disulfide        | 75-15-0    | 76        |
| Carbon Tetrachloride    | 56-23-5    | 87        |
| Chlorobenzene           | 108-90-7   | 82        |
| Chloroethane            | 75-00-3    | 89        |
| Chloroform              | 67-66-3    | 88        |
| Chloromethane           | 74-87-3    | 87        |
| cis-1,2-Dichloroethene  | 156-59-2   | 87        |
| cis-1,3-Dichloropropene | 10061-01-5 | 84        |
| Cumene                  | 98-82-8    | 86        |
| Cyclohexane             | 110-82-7   | 86        |
| Dibromochloromethane    | 124-48-1   | 85        |
| Ethanol                 | 64-17-5    | 89        |
| Ethyl Benzene           | 100-41-4   | 85        |
| Freon 11                | 75-69-4    | 88        |
| Freon 113               | 76-13-1    | 85        |
| Freon 114               | 76-14-2    | 92        |
| Freon 12                | 75-71-8    | 87        |
| Heptane                 | 142-82-5   | 90        |
| Hexachlorobutadiene     | 87-68-3    | 101       |

\* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN  
PLAID PANTRY #112

|                           |                     |                              |                  |
|---------------------------|---------------------|------------------------------|------------------|
| <b>Client ID:</b>         | LCSD                | <b>Date/Time Analyzed:</b>   | 9/30/16 10:27 AM |
| <b>Lab ID:</b>            | 1609617AR2-16EE     | <b>Dilution Factor:</b>      | 1.00             |
| <b>Date/Time Collecte</b> | NA - Not Applicable | <b>Instrument/File name:</b> | msda.i / a093004 |
| <b>Media:</b>             | NA - Not Applicable |                              |                  |

| Compound                      | CAS#          | %Recovery  |
|-------------------------------|---------------|------------|
| Hexane                        | 110-54-3      | 87         |
| m,p-Xylene                    | 108-38-3      | 82         |
| Methyl tert-butyl ether       | 1634-04-4     | 86         |
| Methylene Chloride            | 75-09-2       | 84         |
| Naphthalene                   | 91-20-3       | 117        |
| o-Xylene                      | 95-47-6       | 89         |
| Propylbenzene                 | 103-65-1      | 88         |
| Styrene                       | 100-42-5      | 90         |
| Tetrachloroethene             | 127-18-4      | 81         |
| Tetrahydrofuran               | 109-99-9      | 84         |
| Toluene                       | 108-88-3      | 90         |
| TPH ref. to Gasoline (MW=100) | 9999-9999-038 | Not Spiked |
| trans-1,2-Dichloroethene      | 156-60-5      | 87         |
| trans-1,3-Dichloropropene     | 10061-02-6    | 84         |
| Trichloroethene               | 79-01-6       | 87         |
| Vinyl Chloride                | 75-01-4       | 85         |

D: Analyte not within the DoD scope of accreditation.

| Surrogates            | CAS#       | Limits | %Recovery |
|-----------------------|------------|--------|-----------|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 70-130 | 96        |
| 4-Bromofluorobenzene  | 460-00-4   | 70-130 | 104       |
| Toluene-d8            | 2037-26-5  | 70-130 | 102       |

\* % Recovery is calculated using unrounded analytical results.



Air Toxics

### Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B  
FOLSOM, CA 95630-4719  
(916) 985-1000 FAX (916) 985-1020

Page 1 of 2

Project Manager CHRIS PHEA

Collected by: (Print and Sign) DANIEL REYES

Company EES ENVIRONMENTAL Email CHRIS@EES-ENV.COM

Address 240 N BEAUMONT WAY City PORTLAND State OR Zip 97223

Phone 503.841.2340 Fax ---

#### Project Info:

P.O. # ---

Project # 1179-01

Project Name PLAID PANTY #112

Turn Around Time:

☒ Normal

☐ Rush

Specify

Lab Use Only  
Pressurized by:

Date:

Pressurization Gas:

N<sub>2</sub> He

Lab I.D. Field Sample I.D. (Location)

Can #

Date of Collection

Time of Collection

Analyses Requested

Canister Pressure/Vacuum

Initial Final Receipt Final (ps)

01A A-4

34391

9-21-2016

0934

29

6

02A A-5

00426

0937

28

6

03A A-7

31137

0940

30

6

04A A-6

661290

0941

26

6

05A A-8

00309

0942

30

10

06A A-9

31138

0943

29

6

07A A-2

33865

0944

30

10

08A A-3

108629

0950

28

6

09A A-1

34354

0955

27

6

10A A-10

14007

1007

28

6

Notes:

CONFIRM ANALYSES  
WITH CHRIS PHEA

Relinquished by: (signature) Date/Time

Received by: (signature) Date/Time

Lab Shipper Name

Air Bill #

Temp (°C)

Condition

Custody Seals Intact?

Work Order #

Use Only

FedEx

N/A

good

Yes No (None)

1609617



Air Toxics

Sample Transportation Notice

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FOLSOM, CA 95630-4719  
(916) 985-1000 FAX (916) 985-1020

Page \_\_\_\_ of \_\_\_\_

Project Manager CHRIS PHEA

Collected by: (Print and Sign) DANIEL PETERS

Company EES Email CHRIS@EES-ENV.COM

Address 240 N BROADWAY City PORTLAND State OR Zip 97227

Phone 503.847.2740 Fax ---

Project Info:

PO # ---

Project # 1179-01

Project Name PLAID #112

Turn Around Time:

☒ Normal

☐ Rush

specify

Lab Use Only

Pressurized by:

Date:

Pressurization Gas:

N<sub>2</sub> He

Lab I.D. Field Sample I.D. (Location)

Can #

Date

of Collection

Time

of Collection

Analyses Requested

Canister Pressure/Vacuum

Initial Final Receipt Final (ps)

11A A-2SS

34380

9-22-2016

0912

1

29

8

12A A-1SS

32107

1013

1209

1

30

8

13A A-3SS

35252

1209

1209

1

29

8

Relinquished by: (signature) Date/Time

Received by: (signature) Date/Time

Notes:

Relinquished by: (signature) Date/Time

Received by: (signature) Date/Time

Relinquished by: (signature) Date/Time

Received by: (signature) Date/Time

Lab Shipper Name

Air Bill #

Temp (°C)

Condition

Custody Seals Intact?

Work Order #

Use Only

Shipper Name

Temp (°C)

Condition

Custody Seals Intact?

Work Order #

SEE CHRIS PHEA FOR ANALYSES