



Air Toxics

Client Sample ID: AN0616101516

Lab ID#: 1610473-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | v102714 | Date of Collection: | 10/15/16 11:59:00 P |
| Dil. Factor: | 1.00    | Date of Analysis:   | 10/27/16 03:47 PM   |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12                         | 0.10              | 0.49          | 0.49               | 2.4            |
| Freon 114                        | 0.50              | Not Detected  | 3.5                | Not Detected   |
| Chloromethane                    | 0.50              | 0.36 J        | 1.0                | 0.73 J         |
| Vinyl Chloride                   | 0.10              | Not Detected  | 0.26               | Not Detected   |
| 1,3-Butadiene                    | 0.10              | Not Detected  | 0.22               | Not Detected   |
| Bromomethane                     | 1.0               | 0.066 J       | 3.9                | 0.26 J         |
| Chloroethane                     | 0.50              | Not Detected  | 1.3                | Not Detected   |
| Freon 11                         | 0.10              | 0.27          | 0.56               | 1.5            |
| Ethanol                          | 1.0               | 2.2           | 1.9                | 4.1            |
| Freon 113                        | 0.10              | 0.11          | 0.77               | 0.84           |
| 1,1-Dichloroethene               | 0.10              | Not Detected  | 0.40               | Not Detected   |
| Acetone                          | 0.50              | 3.6 J0        | 1.2                | 8.7 J0         |
| 2-Propanol                       | 0.50              | 0.34 J        | 1.2                | 0.84 J         |
| Carbon Disulfide                 | 0.50              | 0.074 J       | 1.6                | 0.23 J         |
| 3-Chloropropene                  | 0.50              | Not Detected  | 1.6                | Not Detected   |
| Methylene Chloride               | 0.20              | 0.11 J        | 0.69               | 0.39 J         |
| Methyl tert-butyl ether          | 0.10              | Not Detected  | 0.36               | Not Detected   |
| trans-1,2-Dichloroethene         | 0.10              | Not Detected  | 0.40               | Not Detected   |
| Hexane                           | 0.10              | 0.11          | 0.35               | 0.39           |
| 1,1-Dichloroethane               | 0.10              | Not Detected  | 0.40               | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 0.50              | 0.98          | 1.5                | 2.9            |
| cis-1,2-Dichloroethene           | 0.10              | Not Detected  | 0.40               | Not Detected   |
| Tetrahydrofuran                  | 0.50              | 0.28 J        | 1.5                | 0.83 J         |
| Chloroform                       | 0.10              | Not Detected  | 0.49               | Not Detected   |
| 1,1,1-Trichloroethane            | 0.10              | Not Detected  | 0.54               | Not Detected   |
| Cyclohexane                      | 0.10              | Not Detected  | 0.34               | Not Detected   |
| Carbon Tetrachloride             | 0.10              | 0.10          | 0.63               | 0.64           |
| 2,2,4-Trimethylpentane           | 0.50              | 0.065 J       | 2.3                | 0.30 J         |
| Benzene                          | 0.10              | 0.23          | 0.32               | 0.72           |
| 1,2-Dichloroethane               | 0.10              | Not Detected  | 0.40               | Not Detected   |
| Heptane                          | 0.10              | 0.082 J       | 0.41               | 0.34 J         |
| Trichloroethene                  | 0.10              | Not Detected  | 0.54               | Not Detected   |
| 1,2-Dichloropropane              | 0.10              | Not Detected  | 0.46               | Not Detected   |
| 1,4-Dioxane                      | 0.50              | Not Detected  | 1.8                | 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   |
| Toluene                          | 0.10              | 0.35          | 0.38               | 1.3            |
| trans-1,3-Dichloropropene        | 0.10              | Not Detected  | 0.45               | Not Detected   |
| 1,1,2-Trichloroethane            | 0.10              | Not Detected  | 0.54               | Not Detected   |
| Tetrachloroethene                | 0.10              | 0.32          | 0.68               | 2.2            |
| 2-Hexanone                       | 0.50              | 0.10 J        | 2.0                | 0.41 J         |



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|--------------|---------|---------------------|---------------------|
| File Name:   | v102714 | Date of Collection: | 10/15/16 11:59:00 P |
| Dil. Factor: | 1.00    | Date of Analysis:   | 10/27/16 03:47 PM   |

| Compound                  | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Dibromochloromethane      | 0.10              | Not Detected  | 0.85               | Not Detected   |
| 1,2-Dibromoethane (EDB)   | 0.10              | Not Detected  | 0.77               | Not Detected   |
| Chlorobenzene             | 0.10              | Not Detected  | 0.46               | Not Detected   |
| Ethyl Benzene             | 0.10              | 0.050 J       | 0.43               | 0.22 J         |
| m,p-Xylene                | 0.10              | 0.20          | 0.43               | 0.85           |
| o-Xylene                  | 0.10              | 0.090 J       | 0.43               | 0.39 J         |
| 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   |
| 1,1,2,2-Tetrachloroethane | 0.10              | Not Detected  | 0.69               | Not Detected   |
| Propylbenzene             | 0.10              | Not Detected  | 0.49               | Not Detected   |
| 4-Ethyltoluene            | 0.10              | 0.041 J       | 0.49               | 0.20 J         |
| 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   |
| 1,4-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   |
| Butane                    | 0.50              | 1.0           | 1.2                | 2.4            |
| Decane                    | 2.0               | Not Detected  | 12                 | Not Detected   |
| Dibromomethane            | 0.50              | Not Detected  | 3.6                | Not Detected   |
| Nonane                    | 0.50              | Not Detected  | 2.6                | Not Detected   |
| Naphthalene               | 0.50              | 0.066 J       | 2.6                | 0.35 J         |
| Octane                    | 0.50              | Not Detected  | 2.3                | Not Detected   |
| Pentane                   | 0.50              | 1.5           | 1.5                | 4.5            |
| Propylene                 | 1.0               | Not Detected  | 1.7                | Not Detected   |
| Undecane                  | 2.0               | Not Detected  | 13                 | Not Detected   |
| Vinyl Acetate             | 0.50              | Not Detected  | 1.8                | Not Detected   |

J = Estimated value.

J0 = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Special (100% Certified)

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 105       | 70-130        |
| Toluene-d8            | 85        | 70-130        |
| 4-Bromofluorobenzene  | 112       | 70-130        |