



Air Toxics

Client Sample ID: YN1717032017

Lab ID#: 1703519-02A

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

| | | | |
|--------------|---------|---------------------|---------------------|
| File Name: | e040308 | Date of Collection: | 3/20/17 11:59:00 PM |
| Dil. Factor: | 1.00 | Date of Analysis: | 4/3/17 12:26 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12 | 0.10 | 0.48 | 0.49 | 2.4 |
| Freon 114 | 0.10 | Not Detected | 0.70 | Not Detected |
| Chloromethane | 0.50 | 0.50 | 1.0 | 1.0 |
| Vinyl Chloride | 0.10 | Not Detected | 0.26 | Not Detected |
| 1,3-Butadiene | 0.10 | Not Detected | 0.22 | Not Detected |
| Bromomethane | 0.50 | 0.15 J | 1.9 | 0.59 J |
| Chloroethane | 0.50 | Not Detected | 1.3 | Not Detected |
| Freon 11 | 0.10 | 0.22 | 0.56 | 1.2 |
| Ethanol | 0.50 | 1.3 | 0.94 | 2.4 |
| Freon 113 | 0.10 | 0.071 J | 0.77 | 0.55 J |
| 1,1-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Acetone | 0.50 | 3.9 | 1.2 | 9.3 |
| 2-Propanol | 0.50 | 0.96 | 1.2 | 2.4 |
| Carbon Disulfide | 0.50 | 0.20 J | 1.6 | 0.63 J |
| 3-Chloropropene | 0.50 | Not Detected | 1.6 | Not Detected |
| Methylene Chloride | 0.20 | 0.12 J | 0.69 | 0.43 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 | 0.096 J | 0.35 | 0.34 J |
| 1,1-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.50 | 0.83 | 1.5 | 2.4 |
| cis-1,2-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Tetrahydrofuran | 0.50 | Not Detected | 1.5 | Not Detected |
| Chloroform | 0.10 | 0.030 J | 0.49 | 0.15 J |
| 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 | 0.080 J | 0.63 | 0.50 J |
| 2,2,4-Trimethylpentane | 0.50 | Not Detected | 2.3 | Not Detected |
| Benzene | 0.10 | 0.56 | 0.32 | 1.8 |
| 1,2-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| Heptane | 0.10 | 0.065 J | 0.41 | 0.27 J |
| Trichloroethene | 0.10 | Not Detected | 0.54 | Not Detected |
| 1,2-Dichloropropane | 0.10 | Not Detected | 0.46 | Not Detected |
| 1,4-Dioxane | 0.10 | 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 | 0.040 J | 0.41 | 0.16 J |
| Toluene | 0.10 | 0.27 | 0.38 | 1.0 |
| 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 | Not Detected | 0.68 | Not Detected |
| 2-Hexanone | 0.50 | 0.12 J | 2.0 | 0.49 J |



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| Dil. Factor: | 1.00 | Date of Analysis: | 4/3/17 12:26 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 | 0.044 J | 0.43 | 0.19 J |
| m,p-Xylene | 0.10 | 0.12 | 0.43 | 0.54 |
| o-Xylene | 0.10 | 0.050 J | 0.43 | 0.22 J |
| Styrene | 0.10 | 0.029 J | 0.42 | 0.12 J |
| 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 | 0.015 J | 0.49 | 0.073 J |
| 4-Ethyltoluene | 0.10 | 0.033 J | 0.49 | 0.16 J |
| 1,3,5-Trimethylbenzene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.10 | 0.039 J | 0.49 | 0.19 J |
| 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 | 0.039 J | 3.7 | 0.29 J |
| Hexachlorobutadiene | 0.50 | Not Detected | 5.3 | Not Detected |
| Butane | 0.50 | 0.93 | 1.2 | 2.2 |
| 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 | 0.033 J | 2.6 | 0.17 J |
| Octane | 0.50 | Not Detected | 2.3 | Not Detected |
| Pentane | 0.50 | Not Detected | 1.5 | Not Detected |
| 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.

Container Type: 6 Liter Summa Canister (100% Cert Ambient)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 106 | 70-130 |
| Toluene-d8 | 101 | 70-130 |
| 4-Bromofluorobenzene | 104 | 70-130 |