# APPENDIX
## Laboratory Reports and Chain-of-Custody Forms

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102745-01A
Client I.D. Number: AP-MS MW-8

Sampled: 10/25/06
Received: 10/27/06
Analyzed: 10/30/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 1.0 | µg/L |
| 2 | Chloromethane | ND | 2.0 | µg/L |
| 3 | Vinyl chloride | ND | 1.0 | µg/L |
| 4 | Chloroethane | ND | 1.0 | µg/L |
| 5 | Bromomethane | ND | 2.0 | µg/L |
| 6 | Trichlorofluoromethane | ND | 1.0 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 1.0 | µg/L |
| 8 | Dichloromethane | ND | 2.0 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 1.0 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 1.0 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 1.0 | µg/L |
| 12 | Bromochloromethane | ND | 1.0 | µg/L |
| 13 | Chloroform | 3.8 | 1.0 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 1.0 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 1.0 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 1.0 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 1.0 | µg/L |
| 18 | Carbon tetrachloride | ND | 1.0 | µg/L |
| 19 | Benzene | ND | 1.0 | µg/L |
| 20 | Dibromomethane | ND | 1.0 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 1.0 | µg/L |
| 22 | Trichloroethene | ND | 1.0 | µg/L |
| 23 | Bromodichloromethane | ND | 1.0 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 1.0 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 1.0 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 1.0 | µg/L |
| 27 | Toluene | ND | 1.0 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 1.0 | µg/L |
| 29 | Dibromochloromethane | ND | 1.0 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 2.0 | µg/L |
| 31 | Tetrachloroethene | 3.4 | 1.0 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 33 | Chlorobenzene | ND | 1.0 | µg/L |
| 34 | Ethylbenzene | ND | 1.0 | µg/L |
| 35 | m,p-Xylene | ND | 1.0 | µg/L |
| 36 | Bromoform | ND | 1.0 | µg/L |
| 37 | Styrene | ND | 1.0 | µg/L |
| 38 | o-Xylene | ND | 1.0 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 2.0 | µg/L |
| 41 | Isopropylbenzene | ND | 1.0 | µg/L |
| 42 | Bromobenzene | ND | 1.0 | µg/L |
| 43 | n-Propylbenzene | ND | 1.0 | µg/L |
| 44 | 4-Chlorotoluene | ND | 1.0 | µg/L |
| 45 | 2-Chlorotoluene | ND | 1.0 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L |
| 47 | tert-Butylbenzene | ND | 1.0 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L |
| 49 | sec-Butylbenzene | ND | 1.0 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 1.0 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 1.0 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 1.0 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 1.0 | µg/L |
| 54 | n-Butylbenzene | ND | 1.0 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 3.0 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 2.0 | µg/L |
| 57 | Naphthalene | ND | 2.0 | µg/L |
| 58 | Hexachlorobutadiene | ND | 2.0 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 2.0 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 107 | | %REC |
| 61 | Surr: Toluene-d8 | 103 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 100 | | %REC |

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/2/06
**Report Date**

# Alpha Analytical, Inc.

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## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102745-02A
Client I.D. Number: AP-MS MW-27

Sampled: 10/25/06
Received: 10/27/06
Analyzed: 10/30/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | | | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 5.0 | µg/L | 36 | Bromoform | ND | 5.0 | µg/L |
| 2 | Chloromethane | ND | 20 | µg/L | 37 | Styrene | ND | 5.0 | µg/L |
| 3 | Vinyl chloride | ND | 5.0 | µg/L | 38 | o-Xylene | ND | 2.5 | µg/L |
| 4 | Chloroethane | ND | 5.0 | µg/L | 39 | 1,1,2,2-Tetrachloroethane | ND | 5.0 | µg/L |
| 5 | Bromomethane | ND | 20 | µg/L | 40 | 1,2,3-Trichloropropane | ND | 20 | µg/L |
| 6 | Trichlorofluoromethane | ND | 5.0 | µg/L | 41 | Isopropylbenzene | ND | 5.0 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 5.0 | µg/L | 42 | Bromobenzene | ND | 5.0 | µg/L |
| 8 | Dichloromethane | ND | 20 | µg/L | 43 | n-Propylbenzene | ND | 5.0 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 5.0 | µg/L | 44 | 4-Chlorotoluene | ND | 5.0 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 5.0 | µg/L | 45 | 2-Chlorotoluene | ND | 5.0 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 5.0 | µg/L | 46 | 1,3,5-Trimethylbenzene | ND | 5.0 | µg/L |
| 12 | Bromochloromethane | ND | 5.0 | µg/L | 47 | tert-Butylbenzene | ND | 5.0 | µg/L |
| 13 | Chloroform | 9.9 | 5.0 | µg/L | 48 | 1,2,4-Trimethylbenzene | ND | 5.0 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 5.0 | µg/L | 49 | sec-Butylbenzene | ND | 5.0 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 5.0 | µg/L | 50 | 1,3-Dichlorobenzene | ND | 5.0 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 5.0 | µg/L | 51 | 1,4-Dichlorobenzene | ND | 5.0 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 5.0 | µg/L | 52 | 4-Isopropyltoluene | ND | 5.0 | µg/L |
| 18 | Carbon tetrachloride | ND | 5.0 | µg/L | 53 | 1,2-Dichlorobenzene | ND | 5.0 | µg/L |
| 19 | Benzene | ND | 2.5 | µg/L | 54 | n-Butylbenzene | ND | 5.0 | µg/L |
| 20 | Dibromomethane | ND | 5.0 | µg/L | 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 30 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 5.0 | µg/L | 56 | 1,2,4-Trichlorobenzene | ND | 20 | µg/L |
| 22 | Trichloroethene | ND | 5.0 | µg/L | 57 | Naphthalene | ND | 20 | µg/L |
| 23 | Bromodichloromethane | ND | 5.0 | µg/L | 58 | Hexachlorobutadiene | ND | 20 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 5.0 | µg/L | 59 | 1,2,3-Trichlorobenzene | ND | 20 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 5.0 | µg/L | 60 | Surr: 1,2-Dichloroethane-d4 | 105 | | %REC |
| 26 | 1,1,2-Trichloroethane | ND | 5.0 | µg/L | 61 | Surr: Toluene-d8 | 101 | | %REC |
| 27 | Toluene | ND | 2.5 | µg/L | 62 | Surr: 4-Bromofluorobenzene | 103 | | %REC |
| 28 | 1,3-Dichloropropane | ND | 5.0 | µg/L | | | | | |
| 29 | Dibromochloromethane | ND | 5.0 | µg/L | | | | | |
| 30 | 1,2-Dibromoethane (EDB) | ND | 20 | µg/L | | | | | |
| 31 | Tetrachloroethene | 380 | 5.0 | µg/L | | | | | |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 5.0 | µg/L | | | | | |
| 33 | Chlorobenzene | ND | 5.0 | µg/L | | | | | |
| 34 | Ethylbenzene | ND | 2.5 | µg/L | | | | | |
| 35 | m,p-Xylene | ND | 2.5 | µg/L | | | | | |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/2/06
**Report Date**

# Alpha Analytical, Inc.

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## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102745-03A
Client I.D. Number: AP-MS MW-26

Sampled: 10/25/06
Received: 10/27/06
Analyzed: 10/30/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 10 | µg/L |
| 2 | Chloromethane | ND | 40 | µg/L |
| 3 | Vinyl chloride | ND | 10 | µg/L |
| 4 | Chloroethane | ND | 10 | µg/L |
| 5 | Bromomethane | ND | 40 | µg/L |
| 6 | Trichlorofluoromethane | ND | 10 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 10 | µg/L |
| 8 | Dichloromethane | ND | 40 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 10 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 10 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 10 | µg/L |
| 12 | Bromochloromethane | ND | 10 | µg/L |
| 13 | Chloroform | ND | 10 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 10 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 10 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 10 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 10 | µg/L |
| 18 | Carbon tetrachloride | ND | 10 | µg/L |
| 19 | Benzene | ND | 5.0 | µg/L |
| 20 | Dibromomethane | ND | 10 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 10 | µg/L |
| 22 | Trichloroethene | ND | 10 | µg/L |
| 23 | Bromodichloromethane | ND | 10 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 10 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 10 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 10 | µg/L |
| 27 | Toluene | ND | 5.0 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 10 | µg/L |
| 29 | Dibromochloromethane | ND | 10 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 40 | µg/L |
| 31 | Tetrachloroethene | 1,100 | 10 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 10 | µg/L |
| 33 | Chlorobenzene | ND | 10 | µg/L |
| 34 | Ethylbenzene | ND | 5.0 | µg/L |
| 35 | m,p-Xylene | ND | 5.0 | µg/L |
| 36 | Bromoform | ND | 10 | µg/L |
| 37 | Styrene | ND | 10 | µg/L |
| 38 | o-Xylene | ND | 5.0 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 10 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 40 | µg/L |
| 41 | Isopropylbenzene | ND | 10 | µg/L |
| 42 | Bromobenzene | ND | 10 | µg/L |
| 43 | n-Propylbenzene | ND | 10 | µg/L |
| 44 | 4-Chlorotoluene | ND | 10 | µg/L |
| 45 | 2-Chlorotoluene | ND | 10 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 10 | µg/L |
| 47 | tert-Butylbenzene | ND | 10 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 10 | µg/L |
| 49 | sec-Butylbenzene | ND | 10 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 10 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 10 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 10 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 10 | µg/L |
| 54 | n-Butylbenzene | ND | 10 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 60 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 40 | µg/L |
| 57 | Naphthalene | ND | 40 | µg/L |
| 58 | Hexachlorobutadiene | ND | 40 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 40 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 107 | | %REC |
| 61 | Surr: Toluene-d8 | 101 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 105 | | %REC |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/2/06
**Report Date**

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## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102745-04A
Client I.D. Number: AP-MS MW-17

Sampled: 10/25/06
Received: 10/27/06
Analyzed: 10/30/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 10 | µg/L |
| 2 | Chloromethane | ND | 40 | µg/L |
| 3 | Vinyl chloride | ND | 10 | µg/L |
| 4 | Chloroethane | ND | 10 | µg/L |
| 5 | Bromomethane | ND | 40 | µg/L |
| 6 | Trichlorofluoromethane | ND | 10 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 10 | µg/L |
| 8 | Dichloromethane | ND | 40 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 10 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 10 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 10 | µg/L |
| 12 | Bromochloromethane | ND | 10 | µg/L |
| 13 | Chloroform | ND | 10 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 10 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 10 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 10 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 10 | µg/L |
| 18 | Carbon tetrachloride | ND | 10 | µg/L |
| 19 | Benzene | ND | 5.0 | µg/L |
| 20 | Dibromomethane | ND | 10 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 10 | µg/L |
| 22 | Trichloroethene | ND | 10 | µg/L |
| 23 | Bromodichloromethane | ND | 10 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 10 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 10 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 10 | µg/L |
| 27 | Toluene | ND | 5.0 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 10 | µg/L |
| 29 | Dibromochloromethane | ND | 10 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 40 | µg/L |
| 31 | Tetrachloroethene | 1,300 | 10 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 10 | µg/L |
| 33 | Chlorobenzene | ND | 10 | µg/L |
| 34 | Ethylbenzene | ND | 5.0 | µg/L |
| 35 | m,p-Xylene | ND | 5.0 | µg/L |
| 36 | Bromoform | ND | 10 | µg/L |
| 37 | Styrene | ND | 10 | µg/L |
| 38 | o-Xylene | ND | 5.0 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 10 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 40 | µg/L |
| 41 | Isopropylbenzene | ND | 10 | µg/L |
| 42 | Bromobenzene | ND | 10 | µg/L |
| 43 | n-Propylbenzene | ND | 10 | µg/L |
| 44 | 4-Chlorotoluene | ND | 10 | µg/L |
| 45 | 2-Chlorotoluene | ND | 10 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 10 | µg/L |
| 47 | tert-Butylbenzene | ND | 10 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 10 | µg/L |
| 49 | sec-Butylbenzene | ND | 10 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 10 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 10 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 10 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 10 | µg/L |
| 54 | n-Butylbenzene | ND | 10 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 60 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 40 | µg/L |
| 57 | Naphthalene | ND | 40 | µg/L |
| 58 | Hexachlorobutadiene | ND | 40 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 40 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 106 | | %REC |
| 61 | Surr: Toluene-d8 | 101 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 100 | | %REC |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl  Randy Gardner  Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102745-05A
Client I.D. Number: AP-MS MW-19

Sampled: 10/26/06
Received: 10/27/06
Analyzed: 10/30/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 10 | µg/L |
| 2 | Chloromethane | ND | 40 | µg/L |
| 3 | Vinyl chloride | ND | 10 | µg/L |
| 4 | Chloroethane | ND | 10 | µg/L |
| 5 | Bromomethane | ND | 40 | µg/L |
| 6 | Trichlorofluoromethane | ND | 10 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 10 | µg/L |
| 8 | Dichloromethane | ND | 40 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 10 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 10 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 10 | µg/L |
| 12 | Bromochloromethane | ND | 10 | µg/L |
| 13 | Chloroform | ND | 10 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 10 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 10 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 10 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 10 | µg/L |
| 18 | Carbon tetrachloride | ND | 10 | µg/L |
| 19 | Benzene | ND | 5.0 | µg/L |
| 20 | Dibromomethane | ND | 10 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 10 | µg/L |
| 22 | Trichloroethene | ND | 10 | µg/L |
| 23 | Bromodichloromethane | ND | 10 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 10 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 10 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 10 | µg/L |
| 27 | Toluene | ND | 5.0 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 10 | µg/L |
| 29 | Dibromochloromethane | ND | 10 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 40 | µg/L |
| 31 | Tetrachloroethene | 840 | 10 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 10 | µg/L |
| 33 | Chlorobenzene | ND | 10 | µg/L |
| 34 | Ethylbenzene | ND | 5.0 | µg/L |
| 35 | m,p-Xylene | ND | 5.0 | µg/L |
| 36 | Bromoform | ND | 10 | µg/L |
| 37 | Styrene | ND | 10 | µg/L |
| 38 | o-Xylene | ND | 5.0 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 10 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 40 | µg/L |
| 41 | Isopropylbenzene | ND | 10 | µg/L |
| 42 | Bromobenzene | ND | 10 | µg/L |
| 43 | n-Propylbenzene | ND | 10 | µg/L |
| 44 | 4-Chlorotoluene | ND | 10 | µg/L |
| 45 | 2-Chlorotoluene | ND | 10 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 10 | µg/L |
| 47 | tert-Butylbenzene | ND | 10 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 10 | µg/L |
| 49 | sec-Butylbenzene | ND | 10 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 10 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 10 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 10 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 10 | µg/L |
| 54 | n-Butylbenzene | ND | 10 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 60 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 40 | µg/L |
| 57 | Naphthalene | ND | 40 | µg/L |
| 58 | Hexachlorobutadiene | ND | 40 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 40 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 104 | | %REC |
| 61 | Surr: Toluene-d8 | 101 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 106 | | %REC |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman


Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com


Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/2/06
**Report Date**

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102745-06A
Client I.D. Number: AP-MS MW-23

Sampled: 10/26/06
Received: 10/27/06
Analyzed: 10/30/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 20 | µg/L |
| 2 | Chloromethane | ND | 80 | µg/L |
| 3 | Vinyl chloride | ND | 20 | µg/L |
| 4 | Chloroethane | ND | 20 | µg/L |
| 5 | Bromomethane | ND | 80 | µg/L |
| 6 | Trichlorofluoromethane | ND | 20 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 20 | µg/L |
| 8 | Dichloromethane | ND | 80 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 20 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 20 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 20 | µg/L |
| 12 | Bromochloromethane | ND | 20 | µg/L |
| 13 | Chloroform | ND | 20 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 20 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 20 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 20 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 20 | µg/L |
| 18 | Carbon tetrachloride | ND | 20 | µg/L |
| 19 | Benzene | ND | 10 | µg/L |
| 20 | Dibromomethane | ND | 20 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 20 | µg/L |
| 22 | Trichloroethene | ND | 20 | µg/L |
| 23 | Bromodichloromethane | ND | 20 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 20 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 20 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 20 | µg/L |
| 27 | Toluene | ND | 10 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 20 | µg/L |
| 29 | Dibromochloromethane | ND | 20 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 80 | µg/L |
| 31 | Tetrachloroethene | 2,000 | 20 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 20 | µg/L |
| 33 | Chlorobenzene | ND | 20 | µg/L |
| 34 | Ethylbenzene | ND | 10 | µg/L |
| 35 | m,p-Xylene | ND | 10 | µg/L |
| 36 | Bromoform | ND | 20 | µg/L |
| 37 | Styrene | ND | 20 | µg/L |
| 38 | o-Xylene | ND | 10 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 20 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 80 | µg/L |
| 41 | Isopropylbenzene | ND | 20 | µg/L |
| 42 | Bromobenzene | ND | 20 | µg/L |
| 43 | n-Propylbenzene | ND | 20 | µg/L |
| 44 | 4-Chlorotoluene | ND | 20 | µg/L |
| 45 | 2-Chlorotoluene | ND | 20 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 20 | µg/L |
| 47 | tert-Butylbenzene | ND | 20 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 20 | µg/L |
| 49 | sec-Butylbenzene | ND | 20 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 20 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 20 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 20 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 20 | µg/L |
| 54 | n-Butylbenzene | ND | 20 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 120 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 80 | µg/L |
| 57 | Naphthalene | ND | 80 | µg/L |
| 58 | Hexachlorobutadiene | ND | 80 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 80 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 107 | | %REC |
| 61 | Surr: Toluene-d8 | 102 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 104 | | %REC |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl  Randy Gardner  Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/2/06
**Report Date**

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
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## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102745-07A
Client I.D. Number: AP-MS MW-6

Sampled: 10/26/06
Received: 10/27/06
Analyzed: 10/30/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 10 | µg/L |
| 2 | Chloromethane | ND | 40 | µg/L |
| 3 | Vinyl chloride | ND | 10 | µg/L |
| 4 | Chloroethane | ND | 10 | µg/L |
| 5 | Bromomethane | ND | 40 | µg/L |
| 6 | Trichlorofluoromethane | ND | 10 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 10 | µg/L |
| 8 | Dichloromethane | ND | 40 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 10 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 10 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 10 | µg/L |
| 12 | Bromochloromethane | ND | 10 | µg/L |
| 13 | Chloroform | ND | 10 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 10 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 10 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 10 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 10 | µg/L |
| 18 | Carbon tetrachloride | ND | 10 | µg/L |
| 19 | Benzene | ND | 5.0 | µg/L |
| 20 | Dibromomethane | ND | 10 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 10 | µg/L |
| 22 | Trichloroethene | ND | 10 | µg/L |
| 23 | Bromodichloromethane | ND | 10 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 10 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 10 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 10 | µg/L |
| 27 | Toluene | ND | 5.0 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 10 | µg/L |
| 29 | Dibromochloromethane | ND | 10 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 40 | µg/L |
| 31 | Tetrachloroethene | 1,300 | 10 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 10 | µg/L |
| 33 | Chlorobenzene | ND | 10 | µg/L |
| 34 | Ethylbenzene | ND | 5.0 | µg/L |
| 35 | m,p-Xylene | ND | 5.0 | µg/L |
| 36 | Bromoform | ND | 10 | µg/L |
| 37 | Styrene | ND | 10 | µg/L |
| 38 | o-Xylene | ND | 5.0 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 10 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 40 | µg/L |
| 41 | Isopropylbenzene | ND | 10 | µg/L |
| 42 | Bromobenzene | ND | 10 | µg/L |
| 43 | n-Propylbenzene | ND | 10 | µg/L |
| 44 | 4-Chlorotoluene | ND | 10 | µg/L |
| 45 | 2-Chlorotoluene | ND | 10 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 10 | µg/L |
| 47 | tert-Butylbenzene | ND | 10 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 10 | µg/L |
| 49 | sec-Butylbenzene | ND | 10 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 10 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 10 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 10 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 10 | µg/L |
| 54 | n-Butylbenzene | ND | 10 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 60 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 40 | µg/L |
| 57 | Naphthalene | ND | 40 | µg/L |
| 58 | Hexachlorobutadiene | ND | 40 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 40 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 107 | | %REC |
| 61 | Surr: Toluene-d8 | 99 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 104 | | %REC |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl  Randy Gardner  Walter Hinchman


Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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11/2/06
**Report Date**

*Alpha Analytical, Inc.*

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

# VOC Sample Preservation Report

**Work Order:** URS06102745 **Project:** 26698724

| Alpha's Sample ID | Client's Sample ID | Matrix | pH |
|---|---|---|---|
| 06102745-01A | AP-MS MW-8 | Aqueous | 5 |
| 06102745-02A | AP-MS MW-27 | Aqueous | 2 |
| 06102745-03A | AP-MS MW-26 | Aqueous | 2 |
| 06102745-04A | AP-MS MW-17 | Aqueous | 2 |
| 06102745-05A | AP-MS MW-19 | Aqueous | 2 |
| 06102745-06A | AP-MS MW-23 | Aqueous | 2 |
| 06102745-07A | AP-MS MW-6 | Aqueous | 2 |

**11/2/06**

**Report Date**

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


**Date:** *03-Nov-06*

## QC Summary Report

**Work Order:** 06102745

**Method Blank** Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **06103003.D** Batch ID: **MS08W1030A** Analysis Date: **10/30/2006 12:39**

Sample ID: **MBLK MS08W1030A** Units : **µg/L** Run ID: **MSD_08_061030A** Prep Date: **10/30/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 1 | | | | | | | | |
| Chloromethane | ND | 2 | | | | | | | | |
| Vinyl chloride | ND | 1 | | | | | | | | |
| Chloroethane | ND | 1 | | | | | | | | |
| Bromomethane | ND | 2 | | | | | | | | |
| Trichlorofluoromethane | ND | 1 | | | | | | | | |
| 1,1-Dichloroethene | ND | 1 | | | | | | | | |
| Dichloromethane | ND | 2 | | | | | | | | |
| trans-1,2-Dichloroethene | ND | 1 | | | | | | | | |
| 1,1-Dichloroethane | ND | 1 | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 1 | | | | | | | | |
| Bromochloromethane | ND | 1 | | | | | | | | |
| Chloroform | ND | 1 | | | | | | | | |
| 2,2-Dichloropropane | ND | 1 | | | | | | | | |
| 1,2-Dichloroethane | ND | 1 | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 1 | | | | | | | | |
| 1,1-Dichloropropene | ND | 1 | | | | | | | | |
| Carbon tetrachloride | ND | 1 | | | | | | | | |
| Benzene | ND | 1 | | | | | | | | |
| Dibromomethane | ND | 1 | | | | | | | | |
| 1,2-Dichloropropane | ND | 1 | | | | | | | | |
| Trichloroethene | ND | 1 | | | | | | | | |
| Bromodichloromethane | ND | 1 | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 1 | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 1 | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1 | | | | | | | | |
| Toluene | ND | 1 | | | | | | | | |
| 1,3-Dichloropropane | ND | 1 | | | | | | | | |
| Dibromochloromethane | ND | 1 | | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 2 | | | | | | | | |
| Tetrachloroethene | ND | 1 | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1 | | | | | | | | |
| Chlorobenzene | ND | 1 | | | | | | | | |
| Ethylbenzene | ND | 1 | | | | | | | | |
| m,p-Xylene | ND | 1 | | | | | | | | |
| Bromoform | ND | 1 | | | | | | | | |
| Styrene | ND | 1 | | | | | | | | |
| o-Xylene | ND | 1 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 1 | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 2 | | | | | | | | |
| Isopropylbenzene | ND | 1 | | | | | | | | |
| Bromobenzene | ND | 1 | | | | | | | | |
| n-Propylbenzene | ND | 1 | | | | | | | | |
| 4-Chlorotoluene | ND | 1 | | | | | | | | |
| 2-Chlorotoluene | ND | 1 | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1 | | | | | | | | |
| tert-Butylbenzene | ND | 1 | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1 | | | | | | | | |
| sec-Butylbenzene | ND | 1 | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 1 | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 1 | | | | | | | | |
| 4-Isopropyltoluene | ND | 1 | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 1 | | | | | | | | |
| n-Butylbenzene | ND | 1 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 3 | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 2 | | | | | | | | |
| Naphthalene | ND | 2 | | | | | | | | |
| Hexachlorobutadiene | ND | 2 | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 2 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 8.81 | | 10 | | 88 | 76 | 127 | | | |
| Surr: Toluene-d8 | 10.7 | | 10 | | 107 | 84 | 113 | | | |
| Surr: 4-Bromofluorobenzene | 9.75 | | 10 | | 98 | 79 | 119 | | | |

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


**Date:** *03-Nov-06*

## QC Summary Report

**Work Order:** 06102745

### Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**
File ID: **06103004.D** Batch ID: **MS08W1030A** Analysis Date: **10/30/2006 13:02**
Sample ID: **LCS MS08W1030A** Units : **µg/L** Run ID: **MSD_08_061030A** Prep Date: **10/30/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 9.63 | 1 | 10 | | 96 | 80 | 120 | | | |
| Benzene | 10.5 | 0.5 | 10 | | 105 | 81 | 122 | | | |
| Trichloroethene | 10.4 | 1 | 10 | | 104 | 74 | 125 | | | |
| Toluene | 10.7 | 0.5 | 10 | | 107 | 80 | 120 | | | |
| Chlorobenzene | 10.6 | 1 | 10 | | 106 | 79 | 124 | | | |
| Ethylbenzene | 10.7 | 0.5 | 10 | | 107 | 80 | 120 | | | |
| m,p-Xylene | 10.9 | 0.5 | 10 | | 109 | 80 | 129 | | | |
| o-Xylene | 10.7 | 0.5 | 10 | | 107 | 80 | 129 | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.32 | | 10 | | 93 | 76 | 127 | | | |
| Surr: Toluene-d8 | 10.3 | | 10 | | 103 | 84 | 113 | | | |
| Surr: 4-Bromofluorobenzene | 9.44 | | 10 | | 94 | 79 | 119 | | | |

### Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**
File ID: **06103006.D** Batch ID: **MS08W1030A** Analysis Date: **10/30/2006 13:48**
Sample ID: **06102743-01AMS** Units : **µg/L** Run ID: **MSD_08_061030A** Prep Date: **10/30/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 49.4 | 2.5 | 50 | 0 | 99 | 65 | 127 | | | |
| Benzene | 55.7 | 1.3 | 50 | 0 | 111 | 74 | 125 | | | |
| Trichloroethene | 54.1 | 2.5 | 50 | 0 | 108 | 66 | 126 | | | |
| Toluene | 54.4 | 1.3 | 50 | 0 | 109 | 76 | 120 | | | |
| Chlorobenzene | 53.6 | 2.5 | 50 | 0 | 107 | 76 | 124 | | | |
| Ethylbenzene | 53.1 | 1.3 | 50 | 0 | 106 | 77 | 124 | | | |
| m,p-Xylene | 54.7 | 1.3 | 50 | 0 | 109 | 73 | 130 | | | |
| o-Xylene | 53.9 | 1.3 | 50 | 0 | 108 | 74 | 131 | | | |
| Surr: 1,2-Dichloroethane-d4 | 45.9 | | 50 | | 92 | 76 | 127 | | | |
| Surr: Toluene-d8 | 48.9 | | 50 | | 98 | 84 | 113 | | | |
| Surr: 4-Bromofluorobenzene | 47.8 | | 50 | | 96 | 79 | 119 | | | |

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**
File ID: **06103007.D** Batch ID: **MS08W1030A** Analysis Date: **10/30/2006 14:21**
Sample ID: **06102743-01AMSD** Units : **µg/L** Run ID: **MSD_08_061030A** Prep Date: **10/30/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 37.3 | 2.5 | 50 | 0 | 75 | 65 | 127 | 49.41 | 27.9(17) | R5 |
| Benzene | 42.2 | 1.3 | 50 | 0 | 84 | 74 | 125 | 55.71 | 27.6(13) | R5 |
| Trichloroethene | 41 | 2.5 | 50 | 0 | 82 | 66 | 126 | 54.09 | 27.6(13) | R5 |
| Toluene | 42.6 | 1.3 | 50 | 0 | 85 | 76 | 120 | 54.44 | 24.3(13) | R5 |
| Chlorobenzene | 41.9 | 2.5 | 50 | 0 | 84 | 76 | 124 | 53.58 | 24.4(12) | R5 |
| Ethylbenzene | 42.1 | 1.3 | 50 | 0 | 84 | 77 | 124 | 53.13 | 23.2(13) | R5 |
| m,p-Xylene | 43.5 | 1.3 | 50 | 0 | 87 | 73 | 130 | 54.68 | 22.7(14) | R5 |
| o-Xylene | 42.5 | 1.3 | 50 | 0 | 85 | 74 | 131 | 53.88 | 23.7(13) | R5 |
| Surr: 1,2-Dichloroethane-d4 | 41.8 | | 50 | | 84 | 76 | 127 | | | |
| Surr: Toluene-d8 | 52 | | 50 | | 104 | 84 | 113 | | | |
| Surr: 4-Bromofluorobenzene | 51.7 | | 50 | | 103 | 79 | 119 | | | |

**Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

R5 = MS/MSD RPD exceed the laboratory control limit. Recovery met acceptance criteria.

Billing Information :

# CHAIN-OF-CUSTODY RECORD

NV AMENDED

**Alpha Analytical, Inc.**
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

**WorkOrder : URS06102745**

**Report Due By : 5:00 PM On : 03-Nov-06**

Holly Woodward
TEL : (702) 492-7922 x
FAX : (702) 492-9149
EMail holly_woodward@urscorp.com

**Client:**
URS Corporation
811 Grier Dr.

Las Vegas, NV 89119

EDD Required : No

Sampled by : LBL, HW

**Report Attention :** Holly Woodward
**CC Report :**

Job : 26698724
PO : Maryland Square
Client's COC # : 12482

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| 4 °C | 27-Oct-06 | 30-Oct-06 |

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles ORG | SUB | TAT | PWS # | Requested Tests VOC_W | | | | | | | | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| URS06102745-01A | AP-MS MW-8 | AQ | 10/25/06 10:10 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102745-02A | AP-MS MW-27 | AQ | 10/25/06 11:07 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102745-03A | AP-MS MW-26 | AQ | 10/25/06 12:02 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102745-04A | AP-MS MW-17 | AQ | 10/25/06 15:45 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102745-05A | AP-MS MW-19 | AQ | 10/26/06 11:28 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102745-06A | AP-MS MW-23 | AQ | 10/26/06 13:14 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102745-07A | AP-MS MW-6 | AQ | 10/26/06 13:50 | 3 | 0 | 5 | | 8260_N | | | | | | | | |

**Comments:** Security seals intact. Frozen ice. Lab received one extra sample not listed on client COC (AP-MS MW-4). Added to end of work order. Amended 10/30/06 @ 9:14 to delete sample -08A and discard sample containers per Holly. LE :

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| **Logged in by:** | Latricia Edrosa | Latricia Edrosa | Alpha Analytical, Inc. | 10/30/06 9:14 |

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

# CHAIN-OF-CUSTODY RECORD

NV

**Alpha Analytical, Inc.**
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

**WorkOrder : URS06102745**

**Report Due By : 5:00 PM On : 03-Nov-06**

Holly Woodward
TEL : (702) 492-7922 x
FAX : (702) 492-9149
EMail holly_woodward@urscorp.com

Client:
URS Corporation
811 Grier Dr.

Las Vegas, NV 89119

EDD Required : No

Sampled by : LBL, HW

**Report Attention :** Holly Woodward
**CC Report :**

Job : 26698724
PO : Maryland Square
Client's COC # : 12482

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| 4 °C | 27-Oct-06 | 27-Oct-06 |

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles ORG | SUB | TAT | PWS # | Requested Tests VOC_W | | | | | | | | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| URS06102745-01A | AP-MS MW-8 | AQ | 10/25/06 10:10 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102745-02A | AP-MS MW-27 | AQ | 10/25/06 11:07 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102745-03A | AP-MS MW-26 | AQ | 10/25/06 12:02 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102745-04A | AP-MS MW-17 | AQ | 10/25/06 15:45 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102745-05A | AP-MS MW-19 | AQ | 10/26/06 11:28 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102745-06A | AP-MS MW-23 | AQ | 10/26/06 13:14 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102745-07A | AP-MS MW-6 | AQ | 10/26/06 13:50 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102745-08A | AP-MS MW-4 | AQ | 10/24/06 15:22 | 3 | 0 | 5 | | 8260_N | | | | | | | | Sample not listed on client COC, added to end of COC. |

**Comments:** Security seals intact. Frozen ice. Lab received one extra sample not listed on client COC (AP-MS MW-4). Added to end of work order. :

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| **Logged in by:** | Patricia Ednosa | Patricia Ednosa | Alpha Analytical, Inc. | 10/27/06 12:00 |

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:
Name: URS Corporation
Address: 811 Grier Dr
City, State, Zip: Las Vegas NV 89119
Phone Number: 702-492-7900 Fax: 702-492-9149

**Alpha Analytical, Inc.**
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

Samples Collected from Nth St
AZ ___ CA ___ NV X WA ___
ID ___ OR ___ OTHER ___

Page # ___ of ___

12482

Client Name: Maryland Square
Job # 26698724
Address: Same
EMail Address: holly_woodward@urscorp.com
City, State, Zip
Phone # 702-492-7922
Fax # 702-492-9149
Sampled by: CBL, HW
Report Attention: Holly Woodward

Required QC Level? I II III IV
EDD / EDF? YES ___ NO ___
Global ID # ___

| Time Sampled | Date Sampled | Matrix* See Key Below | Office Use Only / Lab ID Number | Sample Description | TAT | Field Filtered | Total and type of containers ** See below | 8260B VOC | 415.1 TOC | 300 Nitrate | 310 Alk | 200.8 Fe/Mn | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1010 | 10/25/06 | AQ | URS06102745-01 | AP-MS MW-8 | | N | 3V | X | | | | | | | |
| 1107 | | | -02 | AP-MS MW-27 | | | 3V | X | | | | | | | |
| 1202 | | | -03 | AP-MS MW-26 | | | 3V | X | | | | | | | |
| 1545 | | | -04 | AP-MS MW-17 | | | 3V | X | | | | | | | |
| ~~10/25/06~~ | | | ~~CBL~~ | ~~AP-MS MW-23~~ | | | ~~3V~~ | ~~X~~ | | | | | | | |
| 1128 | 10/26/06 | AQ | -05 | AP-MS MW-19 | | | 3V | X | | | | | | | |
| 1314 | | | -06 | AP-MS MW-23 | | | 3V | X | | | | | | | |
| 1350 | | | -07 | AP-MS MW-6 | | | 3V | X | | | | | | | |
| | | | -08 | ~~AP-MS MW-7~~ | | | | | | | | | | | |

CBL 10/25/06

CBL 10/26/06

**ADDITIONAL INSTRUCTIONS:**

| | Signature | Print Name | Company | Date | Time |
|---|---|---|---|---|---|
| Relinquished by | Lisa B Lowe | Lisa B Lowe | URS | 10/26/06 | 1627 |
| Received by | V. Smith | V. Smith | Alpha | 10-26-06 | 4:30 |
| Relinquished by | V. Smith | V. Smith | Alpha | 10-26-06 | 4:30 |
| Received by | Patricia Edrosa | Patricia Edrosa | Alpha | 10/27/06 | 12:00 |
| Relinquished by | | | | | |
| Received by | | | | | |

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

**NOTE:** Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102650-01A
Client I.D. Number: AP-MS MW-22

Sampled: 10/23/06
Received: 10/26/06
Analyzed: 10/27/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | | | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 1.0 | µg/L | 36 | Bromoform | ND | 1.0 | µg/L |
| 2 | Chloromethane | ND | 2.0 | µg/L | 37 | Styrene | ND | 1.0 | µg/L |
| 3 | Vinyl chloride | ND | 1.0 | µg/L | 38 | o-Xylene | ND | 1.0 | µg/L |
| 4 | Chloroethane | ND | 1.0 | µg/L | 39 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 5 | Bromomethane | ND | 2.0 | µg/L | 40 | 1,2,3-Trichloropropane | ND | 2.0 | µg/L |
| 6 | Trichlorofluoromethane | ND | 1.0 | µg/L | 41 | isopropylbenzene | ND | 1.0 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 1.0 | µg/L | 42 | Bromobenzene | ND | 1.0 | µg/L |
| 8 | Dichloromethane | ND | 2.0 | µg/L | 43 | n-Propylbenzene | ND | 1.0 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 1.0 | µg/L | 44 | 4-Chlorotoluene | ND | 1.0 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 1.0 | µg/L | 45 | 2-Chlorotoluene | ND | 1.0 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 1.0 | µg/L | 46 | 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L |
| 12 | Bromochloromethane | ND | 1.0 | µg/L | 47 | tert-Butylbenzene | ND | 1.0 | µg/L |
| 13 | Chloroform | 11 | 1.0 | µg/L | 48 | 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 1.0 | µg/L | 49 | sec-Butylbenzene | ND | 1.0 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 1.0 | µg/L | 50 | 1,3-Dichlorobenzene | ND | 1.0 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 1.0 | µg/L | 51 | 1,4-Dichlorobenzene | ND | 1.0 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 1.0 | µg/L | 52 | 4-Isopropyltoluene | ND | 1.0 | µg/L |
| 18 | Carbon tetrachloride | ND | 1.0 | µg/L | 53 | 1,2-Dichlorobenzene | ND | 1.0 | µg/L |
| 19 | Benzene | ND | 1.0 | µg/L | 54 | n-Butylbenzene | ND | 1.0 | µg/L |
| 20 | Dibromomethane | ND | 1.0 | µg/L | 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 3.0 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 1.0 | µg/L | 56 | 1,2,4-Trichlorobenzene | ND | 2.0 | µg/L |
| 22 | Trichloroethene | ND | 1.0 | µg/L | 57 | Naphthalene | ND | 2.0 | µg/L |
| 23 | Bromodichloromethane | 1.1 | 1.0 | µg/L | 58 | Hexachlorobutadiene | ND | 2.0 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 1.0 | µg/L | 59 | 1,2,3-Trichlorobenzene | ND | 2.0 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 1.0 | µg/L | 60 | Surr: 1,2-Dichloroethane-d4 | 98 | | %REC |
| 26 | 1,1,2-Trichloroethane | ND | 1.0 | µg/L | 61 | Surr: Toluene-d8 | 102 | | %REC |
| 27 | Toluene | ND | 1.0 | µg/L | 62 | Surr: 4-Bromofluorobenzene | 83 | | %REC |
| 28 | 1,3-Dichloropropane | ND | 1.0 | µg/L | | | | | |
| 29 | Dibromochloromethane | ND | 1.0 | µg/L | | | | | |
| 30 | 1,2-Dibromoethane (EDB) | ND | 2.0 | µg/L | | | | | |
| 31 | Tetrachloroethene | ND | 1.0 | µg/L | | | | | |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L | | | | | |
| 33 | Chlorobenzene | ND | 1.0 | µg/L | | | | | |
| 34 | Ethylbenzene | ND | 1.0 | µg/L | | | | | |
| 35 | m,p-Xylene | ND | 1.0 | µg/L | | | | | |

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/1/06
**Report Date**

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102650-02A
Client I.D. Number: AP-MS MW-16

Sampled: 10/23/06
Received: 10/26/06
Analyzed: 10/27/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 1.0 | µg/L |
| 2 | Chloromethane | ND | 2.0 | µg/L |
| 3 | Vinyl chloride | ND | 1.0 | µg/L |
| 4 | Chloroethane | ND | 1.0 | µg/L |
| 5 | Bromomethane | ND | 2.0 | µg/L |
| 6 | Trichlorofluoromethane | ND | 1.0 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 1.0 | µg/L |
| 8 | Dichloromethane | ND | 2.0 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 1.0 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 1.0 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 1.0 | µg/L |
| 12 | Bromochloromethane | ND | 1.0 | µg/L |
| 13 | Chloroform | ND | 1.0 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 1.0 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 1.0 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 1.0 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 1.0 | µg/L |
| 18 | Carbon tetrachloride | ND | 1.0 | µg/L |
| 19 | Benzene | ND | 1.0 | µg/L |
| 20 | Dibromomethane | ND | 1.0 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 1.0 | µg/L |
| 22 | Trichloroethene | ND | 1.0 | µg/L |
| 23 | Bromodichloromethane | ND | 1.0 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 1.0 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 1.0 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 1.0 | µg/L |
| 27 | Toluene | ND | 1.0 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 1.0 | µg/L |
| 29 | Dibromochloromethane | ND | 1.0 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 2.0 | µg/L |
| 31 | Tetrachloroethene | ND | 1.0 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 33 | Chlorobenzene | ND | 1.0 | µg/L |
| 34 | Ethylbenzene | ND | 1.0 | µg/L |
| 35 | m,p-Xylene | ND | 1.0 | µg/L |
| 36 | Bromoform | ND | 1.0 | µg/L |
| 37 | Styrene | ND | 1.0 | µg/L |
| 38 | o-Xylene | ND | 1.0 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 2.0 | µg/L |
| 41 | Isopropylbenzene | ND | 1.0 | µg/L |
| 42 | Bromobenzene | ND | 1.0 | µg/L |
| 43 | n-Propylbenzene | ND | 1.0 | µg/L |
| 44 | 4-Chlorotoluene | ND | 1.0 | µg/L |
| 45 | 2-Chlorotoluene | ND | 1.0 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L |
| 47 | tert-Butylbenzene | ND | 1.0 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L |
| 49 | sec-Butylbenzene | ND | 1.0 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 1.0 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 1.0 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 1.0 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 1.0 | µg/L |
| 54 | n-Butylbenzene | ND | 1.0 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 3.0 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 2.0 | µg/L |
| 57 | Naphthalene | ND | 2.0 | µg/L |
| 58 | Hexachlorobutadiene | ND | 2.0 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 2.0 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 98 | | %REC |
| 61 | Surr: Toluene-d8 | 102 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 85 | | %REC |

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/1/06
Report Date

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102650-03A
Client I.D. Number: AP-MS MW-12

Sampled: 10/23/06
Received: 10/26/06
Analyzed: 10/27/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | | | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 1.0 | µg/L | 36 | Bromoform | ND | 1.0 | µg/L |
| 2 | Chloromethane | ND | 2.0 | µg/L | 37 | Styrene | ND | 1.0 | µg/L |
| 3 | Vinyl chloride | ND | 1.0 | µg/L | 38 | o-Xylene | ND | 1.0 | µg/L |
| 4 | Chloroethane | ND | 1.0 | µg/L | 39 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 5 | Bromomethane | ND | 2.0 | µg/L | 40 | 1,2,3-Trichloropropane | ND | 2.0 | µg/L |
| 6 | Trichlorofluoromethane | ND | 1.0 | µg/L | 41 | Isopropylbenzene | ND | 1.0 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 1.0 | µg/L | 42 | Bromobenzene | ND | 1.0 | µg/L |
| 8 | Dichloromethane | ND | 2.0 | µg/L | 43 | n-Propylbenzene | ND | 1.0 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 1.0 | µg/L | 44 | 4-Chlorotoluene | ND | 1.0 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 1.0 | µg/L | 45 | 2-Chlorotoluene | ND | 1.0 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 1.0 | µg/L | 46 | 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L |
| 12 | Bromochloromethane | ND | 1.0 | µg/L | 47 | tert-Butylbenzene | ND | 1.0 | µg/L |
| 13 | Chloroform | 1.8 | 1.0 | µg/L | 48 | 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 1.0 | µg/L | 49 | sec-Butylbenzene | ND | 1.0 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 1.0 | µg/L | 50 | 1,3-Dichlorobenzene | ND | 1.0 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 1.0 | µg/L | 51 | 1,4-Dichlorobenzene | ND | 1.0 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 1.0 | µg/L | 52 | 4-Isopropyltoluene | ND | 1.0 | µg/L |
| 18 | Carbon tetrachloride | ND | 1.0 | µg/L | 53 | 1,2-Dichlorobenzene | ND | 1.0 | µg/L |
| 19 | Benzene | ND | 1.0 | µg/L | 54 | n-Butylbenzene | ND | 1.0 | µg/L |
| 20 | Dibromomethane | ND | 1.0 | µg/L | 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 3.0 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 1.0 | µg/L | 56 | 1,2,4-Trichlorobenzene | ND | 2.0 | µg/L |
| 22 | Trichloroethene | ND | 1.0 | µg/L | 57 | Naphthalene | ND | 2.0 | µg/L |
| 23 | Bromodichloromethane | ND | 1.0 | µg/L | 58 | Hexachlorobutadiene | ND | 2.0 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 1.0 | µg/L | 59 | 1,2,3-Trichlorobenzene | ND | 2.0 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 1.0 | µg/L | 60 | Surr: 1,2-Dichloroethane-d4 | 101 | | %REC |
| 26 | 1,1,2-Trichloroethane | ND | 1.0 | µg/L | 61 | Surr: Toluene-d8 | 100 | | %REC |
| 27 | Toluene | ND | 1.0 | µg/L | 62 | Surr: 4-Bromofluorobenzene | 85 | | %REC |
| 28 | 1,3-Dichloropropane | ND | 1.0 | µg/L | | | | | |
| 29 | Dibromochloromethane | ND | 1.0 | µg/L | | | | | |
| 30 | 1,2-Dibromoethane (EDB) | ND | 2.0 | µg/L | | | | | |
| 31 | Tetrachloroethene | ND | 1.0 | µg/L | | | | | |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L | | | | | |
| 33 | Chlorobenzene | ND | 1.0 | µg/L | | | | | |
| 34 | Ethylbenzene | ND | 1.0 | µg/L | | | | | |
| 35 | m,p-Xylene | ND | 1.0 | µg/L | | | | | |

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/1/06
**Report Date**

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102650-04A
Client I.D. Number: AP-MS MW-3

Sampled: 10/24/06
Received: 10/26/06
Analyzed: 10/27/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | | | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 1.0 | µg/L | 36 | Bromoform | ND | 1.0 | µg/L |
| 2 | Chloromethane | ND | 2.0 | µg/L | 37 | Styrene | ND | 1.0 | µg/L |
| 3 | Vinyl chloride | ND | 1.0 | µg/L | 38 | o-Xylene | ND | 1.0 | µg/L |
| 4 | Chloroethane | ND | 1.0 | µg/L | 39 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 5 | Bromomethane | ND | 2.0 | µg/L | 40 | 1,2,3-Trichloropropane | ND | 2.0 | µg/L |
| 6 | Trichlorofluoromethane | ND | 1.0 | µg/L | 41 | Isopropylbenzene | ND | 1.0 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 1.0 | µg/L | 42 | Bromobenzene | ND | 1.0 | µg/L |
| 8 | Dichloromethane | ND | 2.0 | µg/L | 43 | n-Propylbenzene | ND | 1.0 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 1.0 | µg/L | 44 | 4-Chlorotoluene | ND | 1.0 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 1.0 | µg/L | 45 | 2-Chlorotoluene | ND | 1.0 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 1.0 | µg/L | 46 | 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L |
| 12 | Bromochloromethane | ND | 1.0 | µg/L | 47 | tert-Butylbenzene | ND | 1.0 | µg/L |
| 13 | Chloroform | 2.2 | 1.0 | µg/L | 48 | 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 1.0 | µg/L | 49 | sec-Butylbenzene | ND | 1.0 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 1.0 | µg/L | 50 | 1,3-Dichlorobenzene | ND | 1.0 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 1.0 | µg/L | 51 | 1,4-Dichlorobenzene | ND | 1.0 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 1.0 | µg/L | 52 | 4-Isopropyltoluene | ND | 1.0 | µg/L |
| 18 | Carbon tetrachloride | ND | 1.0 | µg/L | 53 | 1,2-Dichlorobenzene | ND | 1.0 | µg/L |
| 19 | Benzene | ND | 1.0 | µg/L | 54 | n-Butylbenzene | ND | 1.0 | µg/L |
| 20 | Dibromomethane | ND | 1.0 | µg/L | 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 3.0 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 1.0 | µg/L | 56 | 1,2,4-Trichlorobenzene | ND | 2.0 | µg/L |
| 22 | Trichloroethene | ND | 1.0 | µg/L | 57 | Naphthalene | ND | 2.0 | µg/L |
| 23 | Bromodichloromethane | ND | 1.0 | µg/L | 58 | Hexachlorobutadiene | ND | 2.0 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 1.0 | µg/L | 59 | 1,2,3-Trichlorobenzene | ND | 2.0 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 1.0 | µg/L | 60 | Surr: 1,2-Dichloroethane-d4 | 100 | | %REC |
| 26 | 1,1,2-Trichloroethane | ND | 1.0 | µg/L | 61 | Surr: Toluene-d8 | 100 | | %REC |
| 27 | Toluene | ND | 1.0 | µg/L | 62 | Surr: 4-Bromofluorobenzene | 86 | | %REC |
| 28 | 1,3-Dichloropropane | ND | 1.0 | µg/L | | | | | |
| 29 | Dibromochloromethane | ND | 1.0 | µg/L | | | | | |
| 30 | 1,2-Dibromoethane (EDB) | ND | 2.0 | µg/L | | | | | |
| 31 | Tetrachloroethene | ND | 1.0 | µg/L | | | | | |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L | | | | | |
| 33 | Chlorobenzene | ND | 1.0 | µg/L | | | | | |
| 34 | Ethylbenzene | ND | 1.0 | µg/L | | | | | |
| 35 | m,p-Xylene | ND | 1.0 | µg/L | | | | | |

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/1/06
**Report Date**

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102650-05A
Client I.D. Number: AP-MS MW-10

Sampled: 10/24/06
Received: 10/26/06
Analyzed: 10/27/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 1.0 | µg/L |
| 2 | Chloromethane | ND | 4.0 | µg/L |
| 3 | Vinyl chloride | ND | 1.0 | µg/L |
| 4 | Chloroethane | ND | 1.0 | µg/L |
| 5 | Bromomethane | ND | 4.0 | µg/L |
| 6 | Trichlorofluoromethane | ND | 1.0 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 1.0 | µg/L |
| 8 | Dichloromethane | ND | 4.0 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 1.0 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 1.0 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 1.0 | µg/L |
| 12 | Bromochloromethane | ND | 1.0 | µg/L |
| 13 | Chloroform | ND | 1.0 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 1.0 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 1.0 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 1.0 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 1.0 | µg/L |
| 18 | Carbon tetrachloride | ND | 1.0 | µg/L |
| 19 | Benzene | ND | 1.0 | µg/L |
| 20 | Dibromomethane | ND | 1.0 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 1.0 | µg/L |
| 22 | Trichloroethene | ND | 1.0 | µg/L |
| 23 | Bromodichloromethane | ND | 1.0 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 1.0 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 1.0 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 1.0 | µg/L |
| 27 | Toluene | ND | 1.0 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 1.0 | µg/L |
| 29 | Dibromochloromethane | ND | 1.0 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 4.0 | µg/L |
| 31 | Tetrachloroethene | ND | 1.0 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 33 | Chlorobenzene | ND | 1.0 | µg/L |
| 34 | Ethylbenzene | ND | 1.0 | µg/L |
| 35 | m,p-Xylene | ND | 1.0 | µg/L |
| 36 | Bromoform | ND | 1.0 | µg/L |
| 37 | Styrene | ND | 1.0 | µg/L |
| 38 | o-Xylene | ND | 1.0 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 4.0 | µg/L |
| 41 | Isopropylbenzene | ND | 1.0 | µg/L |
| 42 | Bromobenzene | ND | 1.0 | µg/L |
| 43 | n-Propylbenzene | ND | 1.0 | µg/L |
| 44 | 4-Chlorotoluene | ND | 1.0 | µg/L |
| 45 | 2-Chlorotoluene | ND | 1.0 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L |
| 47 | tert-Butylbenzene | ND | 1.0 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L |
| 49 | sec-Butylbenzene | ND | 1.0 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 1.0 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 1.0 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 1.0 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 1.0 | µg/L |
| 54 | n-Butylbenzene | ND | 1.0 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 6.0 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 4.0 | µg/L |
| 57 | Naphthalene | ND | 4.0 | µg/L |
| 58 | Hexachlorobutadiene | ND | 4.0 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 4.0 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 98 | | %REC |
| 61 | Surr: Toluene-d8 | 101 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 86 | | %REC |

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl  Randy Gardner  Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/1/06
Report Date

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102650-06A
Client I.D. Number: AP-MS MW-15

Sampled: 10/24/06
Received: 10/26/06
Analyzed: 10/27/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 1.0 | µg/L |
| 2 | Chloromethane | ND | 2.0 | µg/L |
| 3 | Vinyl chloride | ND | 1.0 | µg/L |
| 4 | Chloroethane | ND | 1.0 | µg/L |
| 5 | Bromomethane | ND | 2.0 | µg/L |
| 6 | Trichlorofluoromethane | ND | 1.0 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 1.0 | µg/L |
| 8 | Dichloromethane | ND | 2.0 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 1.0 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 1.0 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 1.0 | µg/L |
| 12 | Bromochloromethane | ND | 1.0 | µg/L |
| 13 | Chloroform | ND | 1.0 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 1.0 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 1.0 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 1.0 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 1.0 | µg/L |
| 18 | Carbon tetrachloride | ND | 1.0 | µg/L |
| 19 | Benzene | ND | 1.0 | µg/L |
| 20 | Dibromomethane | ND | 1.0 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 1.0 | µg/L |
| 22 | Trichloroethene | ND | 1.0 | µg/L |
| 23 | Bromodichloromethane | ND | 1.0 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 1.0 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 1.0 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 1.0 | µg/L |
| 27 | Toluene | ND | 1.0 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 1.0 | µg/L |
| 29 | Dibromochloromethane | ND | 1.0 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 2.0 | µg/L |
| 31 | Tetrachloroethene | 3.3 | 1.0 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 33 | Chlorobenzene | ND | 1.0 | µg/L |
| 34 | Ethylbenzene | ND | 1.0 | µg/L |
| 35 | m,p-Xylene | ND | 1.0 | µg/L |
| 36 | Bromoform | ND | 1.0 | µg/L |
| 37 | Styrene | ND | 1.0 | µg/L |
| 38 | o-Xylene | ND | 1.0 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 2.0 | µg/L |
| 41 | Isopropylbenzene | ND | 1.0 | µg/L |
| 42 | Bromobenzene | ND | 1.0 | µg/L |
| 43 | n-Propylbenzene | ND | 1.0 | µg/L |
| 44 | 4-Chlorotoluene | ND | 1.0 | µg/L |
| 45 | 2-Chlorotoluene | ND | 1.0 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L |
| 47 | tert-Butylbenzene | ND | 1.0 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L |
| 49 | sec-Butylbenzene | ND | 1.0 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 1.0 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 1.0 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 1.0 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 1.0 | µg/L |
| 54 | n-Butylbenzene | ND | 1.0 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 3.0 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 2.0 | µg/L |
| 57 | Naphthalene | ND | 2.0 | µg/L |
| 58 | Hexachlorobutadiene | ND | 2.0 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 2.0 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 101 | | %REC |
| 61 | Surr: Toluene-d8 | 101 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 86 | | %REC |

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/1/06
**Report Date**

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102650-07A
Client I.D. Number: AP-MS MW-24

Sampled: 10/24/06
Received: 10/26/06
Analyzed: 10/27/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 1.0 | µg/L |
| 2 | Chloromethane | ND | 2.0 | µg/L |
| 3 | Vinyl chloride | ND | 1.0 | µg/L |
| 4 | Chloroethane | ND | 1.0 | µg/L |
| 5 | Bromomethane | ND | 2.0 | µg/L |
| 6 | Trichlorofluoromethane | ND | 1.0 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 1.0 | µg/L |
| 8 | Dichloromethane | ND | 2.0 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 1.0 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 1.0 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 1.0 | µg/L |
| 12 | Bromochloromethane | ND | 1.0 | µg/L |
| 13 | Chloroform | ND | 1.0 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 1.0 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 1.0 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 1.0 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 1.0 | µg/L |
| 18 | Carbon tetrachloride | ND | 1.0 | µg/L |
| 19 | Benzene | ND | 1.0 | µg/L |
| 20 | Dibromomethane | ND | 1.0 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 1.0 | µg/L |
| 22 | Trichloroethene | ND | 1.0 | µg/L |
| 23 | Bromodichloromethane | ND | 1.0 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 1.0 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 1.0 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 1.0 | µg/L |
| 27 | Toluene | ND | 1.0 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 1.0 | µg/L |
| 29 | Dibromochloromethane | ND | 1.0 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 2.0 | µg/L |
| 31 | Tetrachloroethene | 2.6 | 1.0 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 33 | Chlorobenzene | ND | 1.0 | µg/L |
| 34 | Ethylbenzene | ND | 1.0 | µg/L |
| 35 | m,p-Xylene | ND | 1.0 | µg/L |
| 36 | Bromoform | ND | 1.0 | µg/L |
| 37 | Styrene | ND | 1.0 | µg/L |
| 38 | o-Xylene | ND | 1.0 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 2.0 | µg/L |
| 41 | Isopropylbenzene | ND | 1.0 | µg/L |
| 42 | Bromobenzene | ND | 1.0 | µg/L |
| 43 | n-Propylbenzene | ND | 1.0 | µg/L |
| 44 | 4-Chlorotoluene | ND | 1.0 | µg/L |
| 45 | 2-Chlorotoluene | ND | 1.0 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L |
| 47 | tert-Butylbenzene | ND | 1.0 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L |
| 49 | sec-Butylbenzene | ND | 1.0 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 1.0 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 1.0 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 1.0 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 1.0 | µg/L |
| 54 | n-Butylbenzene | ND | 1.0 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 3.0 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 2.0 | µg/L |
| 57 | Naphthalene | ND | 2.0 | µg/L |
| 58 | Hexachlorobutadiene | ND | 2.0 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 2.0 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 103 | | %REC |
| 61 | Surr: Toluene-d8 | 101 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 83 | | %REC |

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/1/06
**Report Date**

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102650-08A
Client I.D. Number: AP-MS MW-9

Sampled: 10/24/06
Received: 10/26/06
Analyzed: 10/27/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 2.0 | µg/L |
| 2 | Chloromethane | ND | 8.0 | µg/L |
| 3 | Vinyl chloride | ND | 2.0 | µg/L |
| 4 | Chloroethane | ND | 2.0 | µg/L |
| 5 | Bromomethane | ND | 8.0 | µg/L |
| 6 | Trichlorofluoromethane | ND | 2.0 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 2.0 | µg/L |
| 8 | Dichloromethane | ND | 8.0 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 2.0 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 2.0 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 2.0 | µg/L |
| 12 | Bromochloromethane | ND | 2.0 | µg/L |
| 13 | Chloroform | ND | 2.0 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 2.0 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 2.0 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 2.0 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 2.0 | µg/L |
| 18 | Carbon tetrachloride | ND | 2.0 | µg/L |
| 19 | Benzene | ND | 1.0 | µg/L |
| 20 | Dibromomethane | ND | 2.0 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 2.0 | µg/L |
| 22 | Trichloroethene | ND | 2.0 | µg/L |
| 23 | Bromodichloromethane | ND | 2.0 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 2.0 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 2.0 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 2.0 | µg/L |
| 27 | Toluene | ND | 1.0 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 2.0 | µg/L |
| 29 | Dibromochloromethane | ND | 2.0 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 8.0 | µg/L |
| 31 | Tetrachloroethene | 160 | 2.0 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 2.0 | µg/L |
| 33 | Chlorobenzene | ND | 2.0 | µg/L |
| 34 | Ethylbenzene | ND | 1.0 | µg/L |
| 35 | m,p-Xylene | ND | 1.0 | µg/L |
| 36 | Bromoform | ND | 2.0 | µg/L |
| 37 | Styrene | ND | 2.0 | µg/L |
| 38 | o-Xylene | ND | 1.0 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 2.0 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 8.0 | µg/L |
| 41 | Isopropylbenzene | ND | 2.0 | µg/L |
| 42 | Bromobenzene | ND | 2.0 | µg/L |
| 43 | n-Propylbenzene | ND | 2.0 | µg/L |
| 44 | 4-Chlorotoluene | ND | 2.0 | µg/L |
| 45 | 2-Chlorotoluene | ND | 2.0 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 2.0 | µg/L |
| 47 | tert-Butylbenzene | ND | 2.0 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 2.0 | µg/L |
| 49 | sec-Butylbenzene | ND | 2.0 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 2.0 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 2.0 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 2.0 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 2.0 | µg/L |
| 54 | n-Butylbenzene | ND | 2.0 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 12 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 8.0 | µg/L |
| 57 | Naphthalene | ND | 8.0 | µg/L |
| 58 | Hexachlorobutadiene | ND | 8.0 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 8.0 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 98 | | %REC |
| 61 | Surr: Toluene-d8 | 102 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 87 | | %REC |

Some Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/1/06
Report Date

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102650-09A
Client I.D. Number: AP-MS MW-7

Sampled: 10/24/06
Received: 10/26/06
Analyzed: 10/27/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 1.0 | µg/L |
| 2 | Chloromethane | ND | 2.0 | µg/L |
| 3 | Vinyl chloride | ND | 1.0 | µg/L |
| 4 | Chloroethane | ND | 1.0 | µg/L |
| 5 | Bromomethane | ND | 2.0 | µg/L |
| 6 | Trichlorofluoromethane | ND | 1.0 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 1.0 | µg/L |
| 8 | Dichloromethane | ND | 2.0 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 1.0 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 1.0 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 1.0 | µg/L |
| 12 | Bromochloromethane | ND | 1.0 | µg/L |
| 13 | Chloroform | 1.6 | 1.0 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 1.0 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 1.0 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 1.0 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 1.0 | µg/L |
| 18 | Carbon tetrachloride | ND | 1.0 | µg/L |
| 19 | Benzene | ND | 1.0 | µg/L |
| 20 | Dibromomethane | ND | 1.0 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 1.0 | µg/L |
| 22 | Trichloroethene | ND | 1.0 | µg/L |
| 23 | Bromodichloromethane | ND | 1.0 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 1.0 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 1.0 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 1.0 | µg/L |
| 27 | Toluene | ND | 1.0 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 1.0 | µg/L |
| 29 | Dibromochloromethane | ND | 1.0 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 2.0 | µg/L |
| 31 | Tetrachloroethene | 2.9 | 1.0 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 33 | Chlorobenzene | ND | 1.0 | µg/L |
| 34 | Ethylbenzene | ND | 1.0 | µg/L |
| 35 | m,p-Xylene | ND | 1.0 | µg/L |
| 36 | Bromoform | ND | 1.0 | µg/L |
| 37 | Styrene | ND | 1.0 | µg/L |
| 38 | o-Xylene | ND | 1.0 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 2.0 | µg/L |
| 41 | Isopropylbenzene | ND | 1.0 | µg/L |
| 42 | Bromobenzene | ND | 1.0 | µg/L |
| 43 | n-Propylbenzene | ND | 1.0 | µg/L |
| 44 | 4-Chlorotoluene | ND | 1.0 | µg/L |
| 45 | 2-Chlorotoluene | ND | 1.0 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L |
| 47 | tert-Butylbenzene | ND | 1.0 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L |
| 49 | sec-Butylbenzene | ND | 1.0 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 1.0 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 1.0 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 1.0 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 1.0 | µg/L |
| 54 | n-Butylbenzene | ND | 1.0 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 3.0 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 2.0 | µg/L |
| 57 | Naphthalene | ND | 2.0 | µg/L |
| 58 | Hexachlorobutadiene | ND | 2.0 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 2.0 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 103 | | %REC |
| 61 | Surr: Toluene-d8 | 99 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 86 | | %REC |

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/1/06
Report Date

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102650-10A
Client I.D. Number: AP-MS MW-21

Sampled: 10/24/06
Received: 10/26/06
Analyzed: 10/27/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 1.0 | µg/L |
| 2 | Chloromethane | ND | 2.0 | µg/L |
| 3 | Vinyl chloride | ND | 1.0 | µg/L |
| 4 | Chloroethane | ND | 1.0 | µg/L |
| 5 | Bromomethane | ND | 2.0 | µg/L |
| 6 | Trichlorofluoromethane | ND | 1.0 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 1.0 | µg/L |
| 8 | Dichloromethane | ND | 2.0 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 1.0 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 1.0 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 1.0 | µg/L |
| 12 | Bromochloromethane | ND | 1.0 | µg/L |
| 13 | Chloroform | ND | 1.0 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 1.0 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 1.0 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 1.0 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 1.0 | µg/L |
| 18 | Carbon tetrachloride | ND | 1.0 | µg/L |
| 19 | Benzene | ND | 1.0 | µg/L |
| 20 | Dibromomethane | ND | 1.0 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 1.0 | µg/L |
| 22 | Trichloroethene | ND | 1.0 | µg/L |
| 23 | Bromodichloromethane | ND | 1.0 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 1.0 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 1.0 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 1.0 | µg/L |
| 27 | Toluene | ND | 1.0 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 1.0 | µg/L |
| 29 | Dibromochloromethane | ND | 1.0 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 2.0 | µg/L |
| 31 | Tetrachloroethene | 23 | 1.0 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 33 | Chlorobenzene | ND | 1.0 | µg/L |
| 34 | Ethylbenzene | ND | 1.0 | µg/L |
| 35 | m,p-Xylene | ND | 1.0 | µg/L |
| 36 | Bromoform | ND | 1.0 | µg/L |
| 37 | Styrene | ND | 1.0 | µg/L |
| 38 | o-Xylene | ND | 1.0 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 2.0 | µg/L |
| 41 | Isopropylbenzene | ND | 1.0 | µg/L |
| 42 | Bromobenzene | ND | 1.0 | µg/L |
| 43 | n-Propylbenzene | ND | 1.0 | µg/L |
| 44 | 4-Chlorotoluene | ND | 1.0 | µg/L |
| 45 | 2-Chlorotoluene | ND | 1.0 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L |
| 47 | tert-Butylbenzene | ND | 1.0 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L |
| 49 | sec-Butylbenzene | ND | 1.0 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 1.0 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 1.0 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 1.0 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 1.0 | µg/L |
| 54 | n-Butylbenzene | ND | 1.0 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 3.0 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 2.0 | µg/L |
| 57 | Naphthalene | ND | 2.0 | µg/L |
| 58 | Hexachlorobutadiene | ND | 2.0 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 2.0 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 102 | | %REC |
| 61 | Surr: Toluene-d8 | 100 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 84 | | %REC |

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/1/06
**Report Date**

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102650-11A
Client I.D. Number: AP-MS MW-5

Sampled: 10/24/06
Received: 10/26/06
Analyzed: 10/27/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 1.0 | µg/L |
| 2 | Chloromethane | ND | 4.0 | µg/L |
| 3 | Vinyl chloride | ND | 1.0 | µg/L |
| 4 | Chloroethane | ND | 1.0 | µg/L |
| 5 | Bromomethane | ND | 4.0 | µg/L |
| 6 | Trichlorofluoromethane | ND | 1.0 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 1.0 | µg/L |
| 8 | Dichloromethane | ND | 4.0 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 1.0 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 1.0 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 1.0 | µg/L |
| 12 | Bromochloromethane | ND | 1.0 | µg/L |
| 13 | Chloroform | 3.1 | 1.0 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 1.0 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 1.0 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 1.0 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 1.0 | µg/L |
| 18 | Carbon tetrachloride | ND | 1.0 | µg/L |
| 19 | Benzene | ND | 1.0 | µg/L |
| 20 | Dibromomethane | ND | 1.0 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 1.0 | µg/L |
| 22 | Trichloroethene | ND | 1.0 | µg/L |
| 23 | Bromodichloromethane | ND | 1.0 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 1.0 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 1.0 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 1.0 | µg/L |
| 27 | Toluene | ND | 1.0 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 1.0 | µg/L |
| 29 | Dibromochloromethane | ND | 1.0 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 4.0 | µg/L |
| 31 | Tetrachloroethene | 67 | 1.0 | µg/L |
| 32 | 1,1;1,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 33 | Chlorobenzene | ND | 1.0 | µg/L |
| 34 | Ethylbenzene | ND | 1.0 | µg/L |
| 35 | m,p-Xylene | ND | 1.0 | µg/L |
| 36 | Bromoform | ND | 1.0 | µg/L |
| 37 | Styrene | ND | 1.0 | µg/L |
| 38 | o-Xylene | ND | 1.0 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 1.0 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 4.0 | µg/L |
| 41 | Isopropylbenzene | ND | 1.0 | µg/L |
| 42 | Bromobenzene | ND | 1.0 | µg/L |
| 43 | n-Propylbenzene | ND | 1.0 | µg/L |
| 44 | 4-Chlorotoluene | ND | 1.0 | µg/L |
| 45 | 2-Chlorotoluene | ND | 1.0 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 1.0 | µg/L |
| 47 | tert-Butylbenzene | ND | 1.0 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 1.0 | µg/L |
| 49 | sec-Butylbenzene | ND | 1.0 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 1.0 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 1.0 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 1.0 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 1.0 | µg/L |
| 54 | n-Butylbenzene | ND | 1.0 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 6.0 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 4.0 | µg/L |
| 57 | Naphthalene | ND | 4.0 | µg/L |
| 58 | Hexachlorobutadiene | ND | 4.0 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 4.0 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 101 | | %REC |
| 61 | Surr: Toluene-d8 | 101 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 84 | | %REC |

Some Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl  Randy Gardner  Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/1/06
Report Date

*Alpha Analytical, Inc.*
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

# VOC Sample Preservation Report

**Work Order:** URS06102650 **Project:** 26698724/Maryland Square

| Alpha's Sample ID | Client's Sample ID | Matrix | pH |
|---|---|---|---|
| 06102650-01A | AP-MS MW-22 | Aqueous | 2 |
| 06102650-02A | AP-MS MW-16 | Aqueous | 2 |
| 06102650-03A | AP-MS MW-12 | Aqueous | 5 |
| 06102650-04A | AP-MS MW-3 | Aqueous | 2 |
| 06102650-05A | AP-MS MW-10 | Aqueous | 2 |
| 06102650-06A | AP-MS MW-15 | Aqueous | 2 |
| 06102650-07A | AP-MS MW-24 | Aqueous | 2 |
| 06102650-08A | AP-MS MW-9 | Aqueous | 2 |
| 06102650-09A | AP-MS MW-7 | Aqueous | 2 |
| 06102650-10A | AP-MS MW-21 | Aqueous | 2 |
| 06102650-11A | AP-MS MW-5 | Aqueous | 2 |

**11/1/06**
**Report Date**

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


Date: 02-Nov-06

## QC Summary Report

Work Order: 06102650

**Method Blank** Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\061027\06102705.D** Batch ID: **MS10W1027A** Analysis Date: **10/27/2006 09:06**

Sample ID: **MBLK MS10W1027A** Units : **µg/L** Run ID: **MSD_10_061027A** Prep Date: **10/27/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 1 | | | | | | | | |
| Chloromethane | ND | 2 | | | | | | | | |
| Vinyl chloride | ND | 1 | | | | | | | | |
| Chloroethane | ND | 1 | | | | | | | | |
| Bromomethane | ND | 2 | | | | | | | | |
| Trichlorofluoromethane | ND | 1 | | | | | | | | |
| 1,1-Dichloroethene | ND | 1 | | | | | | | | |
| Dichloromethane | ND | 2 | | | | | | | | |
| trans-1,2-Dichloroethene | ND | 1 | | | | | | | | |
| 1,1-Dichloroethane | ND | 1 | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 1 | | | | | | | | |
| Bromochloromethane | ND | 1 | | | | | | | | |
| Chloroform | ND | 1 | | | | | | | | |
| 2,2-Dichloropropane | ND | 1 | | | | | | | | |
| 1,2-Dichloroethane | ND | 1 | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 1 | | | | | | | | |
| 1,1-Dichloropropene | ND | 1 | | | | | | | | |
| Carbon tetrachloride | ND | 1 | | | | | | | | |
| Benzene | ND | 1 | | | | | | | | |
| Dibromomethane | ND | 1 | | | | | | | | |
| 1,2-Dichloropropane | ND | 1 | | | | | | | | |
| Trichloroethene | ND | 1 | | | | | | | | |
| Bromodichloromethane | ND | 1 | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 1 | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 1 | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1 | | | | | | | | |
| Toluene | ND | 1 | | | | | | | | |
| 1,3-Dichloropropane | ND | 1 | | | | | | | | |
| Dibromochloromethane | ND | 1 | | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 2 | | | | | | | | |
| Tetrachloroethene | ND | 1 | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1 | | | | | | | | |
| Chlorobenzene | ND | 1 | | | | | | | | |
| Ethylbenzene | ND | 1 | | | | | | | | |
| m,p-Xylene | ND | 1 | | | | | | | | |
| Bromoform | ND | 1 | | | | | | | | |
| Styrene | ND | 1 | | | | | | | | |
| o-Xylene | ND | 1 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 1 | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 2 | | | | | | | | |
| Isopropylbenzene | ND | 1 | | | | | | | | |
| Bromobenzene | ND | 1 | | | | | | | | |
| n-Propylbenzene | ND | 1 | | | | | | | | |
| 4-Chlorotoluene | ND | 1 | | | | | | | | |
| 2-Chlorotoluene | ND | 1 | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1 | | | | | | | | |
| tert-Butylbenzene | ND | 1 | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1 | | | | | | | | |
| sec-Butylbenzene | ND | 1 | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 1 | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 1 | | | | | | | | |
| 4-Isopropyltoluene | ND | 1 | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 1 | | | | | | | | |
| n-Butylbenzene | ND | 1 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 3 | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 2 | | | | | | | | |
| Naphthalene | ND | 2 | | | | | | | | |
| Hexachlorobutadiene | ND | 2 | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 2 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.04 | | 10 | | 90 | 76 | 127 | | | |
| Surr: Toluene-d8 | 10.3 | | 10 | | 103 | 84 | 113 | | | |
| Surr: 4-Bromofluorobenzene | 8.74 | | 10 | | 87 | 79 | 119 | | | |

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


**Date:** *02-Nov-06*

## QC Summary Report

**Work Order:** 06102650

### Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\061027\06102704.D** Batch ID: **MS10W1027A** Analysis Date: **10/27/2006 08:45**

Sample ID: **LCS MS10W1027A** Units : **µg/L** Run ID: **MSD_10_061027A** Prep Date: **10/27/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 10.6 | 1 | 10 | | 106 | 80 | 120 | | | |
| Benzene | 9.22 | 0.5 | 10 | | 92 | 81 | 122 | | | |
| Trichloroethene | 9.25 | 1 | 10 | | 93 | 74 | 125 | | | |
| Toluene | 8.81 | 0.5 | 10 | | 88 | 80 | 120 | | | |
| Chlorobenzene | 9.52 | 1 | 10 | | 95 | 79 | 124 | | | |
| Ethylbenzene | 9.74 | 0.5 | 10 | | 97 | 80 | 120 | | | |
| m,p-Xylene | 10 | 0.5 | 10 | | 100 | 80 | 129 | | | |
| o-Xylene | 9.95 | 0.5 | 10 | | 100 | 80 | 129 | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.27 | | 10 | | 93 | 76 | 127 | | | |
| Surr: Toluene-d8 | 10.1 | | 10 | | 101 | 84 | 113 | | | |
| Surr: 4-Bromofluorobenzene | 9.12 | | 10 | | 91 | 79 | 119 | | | |

### Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\061027\06102708.D** Batch ID: **MS10W1027A** Analysis Date: **10/27/2006 10:09**

Sample ID: **06102503-06AMS** Units : **µg/L** Run ID: **MSD_10_061027A** Prep Date: **10/27/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 46 | 2.5 | 50 | 0 | 92 | 65 | 127 | | | |
| Benzene | 45.3 | 1.3 | 50 | 0.67 | 89 | 74 | 125 | | | |
| Trichloroethene | 41.7 | 2.5 | 50 | 0 | 83 | 66 | 126 | | | |
| Toluene | 40.8 | 1.3 | 50 | 0 | 82 | 76 | 120 | | | |
| Chlorobenzene | 43.4 | 2.5 | 50 | 0 | 87 | 76 | 124 | | | |
| Ethylbenzene | 45.2 | 1.3 | 50 | 0 | 90 | 77 | 124 | | | |
| m,p-Xylene | 46.4 | 1.3 | 50 | 0 | 93 | 73 | 130 | | | |
| o-Xylene | 46.6 | 1.3 | 50 | 0 | 93 | 74 | 131 | | | |
| Surr: 1,2-Dichloroethane-d4 | 48.4 | | 50 | | 97 | 76 | 127 | | | |
| Surr: Toluene-d8 | 50.4 | | 50 | | 101 | 84 | 113 | | | |
| Surr: 4-Bromofluorobenzene | 44.3 | | 50 | | 89 | 79 | 119 | | | |

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\061027\06102709.D** Batch ID: **MS10W1027A** Analysis Date: **10/27/2006 10:30**

Sample ID: **06102503-06AMSD** Units : **µg/L** Run ID: **MSD_10_061027A** Prep Date: **10/27/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 45.3 | 2.5 | 50 | 0 | 91 | 65 | 127 | 45.99 | 1.4(17) | |
| Benzene | 45 | 1.3 | 50 | 0.67 | 89 | 74 | 125 | 45.34 | 0.7(13) | |
| Trichloroethene | 41 | 2.5 | 50 | 0 | 82 | 66 | 126 | 41.65 | 1.7(13) | |
| Toluene | 41.1 | 1.3 | 50 | 0 | 82 | 76 | 120 | 40.77 | 0.8(13) | |
| Chlorobenzene | 43.8 | 2.5 | 50 | 0 | 88 | 76 | 124 | 43.39 | 0.9(12) | |
| Ethylbenzene | 45.3 | 1.3 | 50 | 0 | 91 | 77 | 124 | 45.24 | 0.1(13) | |
| m,p-Xylene | 46.5 | 1.3 | 50 | 0 | 93 | 73 | 130 | 46.44 | 0.2(14) | |
| o-Xylene | 47.3 | 1.3 | 50 | 0 | 95 | 74 | 131 | 46.64 | 1.4(13) | |
| Surr: 1,2-Dichloroethane-d4 | 48.7 | | 50 | | 97 | 76 | 127 | | | |
| Surr: Toluene-d8 | 50.9 | | 50 | | 102 | 84 | 113 | | | |
| Surr: 4-Bromofluorobenzene | 43.3 | | 50 | | 87 | 79 | 119 | | | |

**Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

# CHAIN-OF-CUSTODY RECORD

NV

**Alpha Analytical, Inc.**
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

**WorkOrder : URS06102650**

**Report Due By : 5:00 PM On : 02-Nov-06**

**Client:**
URS Corporation
811 Grier Dr.

Las Vegas, NV 89119

Holly Woodward
TEL : (702) 492-7922 x
FAX : (702) 492-9149
EMail : holly_woodward@urscorp.com

EDD Required : **No**

Sampled by : LBL, HW

**Report Attention :** Holly Woodward
**CC Report :**

Job : 26698724/Maryland Square
PO : Maryland Square
Client's COC # : 12481

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| 4 °C | 26-Oct-06 | 26-Oct-06 |

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles ORG | SUB | TAT | PWS # | Requested Tests: VOC_W | | | | | | | | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| URS06102650-01A | AP-MS MW-22 | AQ | 10/23/06 14:46 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102650-02A | AP-MS MW-16 | AQ | 10/23/06 15:33 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102650-03A | AP-MS MW-12 | AQ | 10/23/06 16:50 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102650-04A | AP-MS MW-3 | AQ | 10/24/06 09:40 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102650-05A | AP-MS MW-10 | AQ | 10/24/06 10:21 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102650-06A | AP-MS MW-15 | AQ | 10/24/06 11:02 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102650-07A | AP-MS MW-24 | AQ | 10/24/06 12:28 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102650-08A | AP-MS MW-9 | AQ | 10/24/06 13:35 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102650-09A | AP-MS MW-7 | AQ | 10/24/06 14:10 | 3 | 0 | 5 | | 8260_N | | | | | | | | |
| URS06102650-10A | AP-MS MW-21 | AQ | 10/24/06 14:55 | 3 | 0 | 5 | | 8260_N | | | | | | | | |

**Comments:** Security seals intact. Frozen ice. :

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| **Logged in by:** | Tara Dickinson | Tara Dickinson | Alpha Analytical, Inc. | 10/26/06 1234 |

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

# CHAIN-OF-CUSTODY RECORD

NV

**Alpha Analytical, Inc.**
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

**WorkOrder : URS06102650**

**Report Due By : 5:00 PM On : 02-Nov-06**

Client:
URS Corporation
811 Grier Dr.

Las Vegas, NV 89119

Holly Woodward
TEL : (702) 492-7922 x
FAX : (702) 492-9149
EMail : holly_woodward@urscorp.com

EDD Required : No

Sampled by : LBL, HW

Report Attention : Holly Woodward
CC Report :

Job : 26698724/Maryland Square
PO : Maryland Square
Client's COC # : 12481

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| 4 °C | 26-Oct-06 | 26-Oct-06 |

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles ORG | SUB | TAT | PWS # | Requested Tests VOC_W | | | | | | | | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| URS06102650-11A | AP-MS MW-5 | AQ | 10/24/06 15:46 | 3 | 0 | 5 | | 8260_N | | | | | | | | |

Comments: Security seals intact. Frozen ice. :

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| Logged in by: | Lara Dickinson | Lara Dickinson | Alpha Analytical, Inc. | 10/26/06 1234 |

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:
Name: URS Corporation
Address: 811 Grier Dr
City, State, Zip: Las Vegas NV 89119
Phone Number: ~~702-55~~ 702-492-7000 Fax: 702-492-9149

**Alpha Analytical, Inc.**
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

Samples Collected from Nevada St
AZ ___ CA ___ NV ☒ WA ___
ID ___ OR ___ OTHER ___

Page # 1 of 1

12481

Client Name: SAME
Address:
City, State, Zip:

P.O. #: Maryland Square
Job #: 266698724
EMail Address: holly_woodward@urs.com
Phone #: 702-492-7922
Fax #: 702-492-9149
Report Attention: Holly Woodward

Sampled by: CBL, HW

Required QC Level? I II III IV

EDD / EDF? YES ___ NO ___
Global ID # ___

| Time Sampled | Date Sampled | Matrix* See Key Below | Office Use Only Lab ID Number | Sample Description | TAT | Field Filtered | Total and type of containers ** See below | 8260B VOC | 415.1 TOC (CBL) | 300 NISTC (CBL) | 310 ALK (CBL) | 200.8 Fe/Mn (10/25/06) | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1446 | 10/23/06 | AQ | URS061021050-01 | AP-MS MW-22 | | | 3V | X | | | | | | | | |
| 1533 | 10/23/06 | AQ | -02 | AP-MS MW-16 | | | 3V | X | | | | | | | | |
| 1650 | 10/23/06 | AQ | -03 | AP-MS MW-12 | | | 3V | X | | | | | | | | |
| 0940 | 10/24/06 | AQ | -04 | AP-MS MW-3 | | | 3V | X | | | | | | | | |
| 1021 | 10/24/06 | AQ | -05 | AP-MS MW-10 | | | 3V | X | | | | | | | | |
| 1102 | | | -06 | AP-MS MW-15 | | | 3V | X | | | | | | | | |
| 1228 | | | -07 | AP-MS MW-24 | | | 3V | X | | | | | | | | |
| 1325 | | | -08 | AP-MS MW-~~8~~ 9 | | | 3V | X | | | | | | | | |
| 1410 | | | -09 | AP-MS MW-7 | | | 3V | X | | | | | | | | |
| 1455 | | | -10 | AP-MS MW-21 | | | 3V | X | | | | | | | | |
| 1546 | | | -11 | AP-MS MW-5 | | | 3V | X | | | | | | | | |

URS 10/25/06

**ADDITIONAL INSTRUCTIONS:**

| | Signature | Print Name | Company | Date | Time |
|---|---|---|---|---|---|
| Relinquished by | [signature] | Lisa B. Lowe | URS | 10/25/06 | 0914 |
| Received by | [signature] | V. SMITH | Alpha | 10-25-06 | 9:14 |
| Relinquished by | [signature] | V. SMITH | Alpha | 10-25-06 | 4:30 |
| Received by | [signature] | Tara Dickinson | Alpha | 10/26/06 | 1234 |
| Relinquished by | | | | | |
| Received by | | | | | |

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

**NOTE:** Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102751-01A
Client I.D. Number: MW-25 AP-MS

Sampled: 10/26/06
Received: 10/27/06
Analyzed: 10/30/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 20 | µg/L |
| 2 | Chloromethane | ND | 80 | µg/L |
| 3 | Vinyl chloride | ND | 20 | µg/L |
| 4 | Chloroethane | ND | 20 | µg/L |
| 5 | Bromomethane | ND | 80 | µg/L |
| 6 | Trichlorofluoromethane | ND | 20 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 20 | µg/L |
| 8 | Dichloromethane | ND | 80 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 20 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 20 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 20 | µg/L |
| 12 | Bromochloromethane | ND | 20 | µg/L |
| 13 | Chloroform | ND | 20 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 20 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 20 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 20 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 20 | µg/L |
| 18 | Carbon tetrachloride | ND | 20 | µg/L |
| 19 | Benzene | ND | 10 | µg/L |
| 20 | Dibromomethane | ND | 20 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 20 | µg/L |
| 22 | Trichloroethene | ND | 20 | µg/L |
| 23 | Bromodichloromethane | ND | 20 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 20 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 20 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 20 | µg/L |
| 27 | Toluene | ND | 10 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 20 | µg/L |
| 29 | Dibromochloromethane | ND | 20 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 80 | µg/L |
| 31 | Tetrachloroethene | 1,300 | 20 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 20 | µg/L |
| 33 | Chlorobenzene | ND | 20 | µg/L |
| 34 | Ethylbenzene | ND | 10 | µg/L |
| 35 | m,p-Xylene | ND | 10 | µg/L |
| 36 | Bromoform | ND | 20 | µg/L |
| 37 | Styrene | ND | 20 | µg/L |
| 38 | o-Xylene | ND | 10 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 20 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 80 | µg/L |
| 41 | Isopropylbenzene | ND | 20 | µg/L |
| 42 | Bromobenzene | ND | 20 | µg/L |
| 43 | n-Propylbenzene | ND | 20 | µg/L |
| 44 | 4-Chlorotoluene | ND | 20 | µg/L |
| 45 | 2-Chlorotoluene | ND | 20 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 20 | µg/L |
| 47 | tert-Butylbenzene | ND | 20 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 20 | µg/L |
| 49 | sec-Butylbenzene | ND | 20 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 20 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 20 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 20 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 20 | µg/L |
| 54 | n-Butylbenzene | ND | 20 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 120 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 80 | µg/L |
| 57 | Naphthalene | ND | 80 | µg/L |
| 58 | Hexachlorobutadiene | ND | 80 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 80 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 106 | | %REC |
| 61 | Surr: Toluene-d8 | 101 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 106 | | %REC |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/2/06
**Report Date**

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102751-02A
Client I.D. Number: MW-1 AP-MS

Sampled: 10/26/06
Received: 10/27/06
Analyzed: 10/30/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 10 | µg/L |
| 2 | Chloromethane | ND | 40 | µg/L |
| 3 | Vinyl chloride | ND | 10 | µg/L |
| 4 | Chloroethane | ND | 10 | µg/L |
| 5 | Bromomethane | ND | 40 | µg/L |
| 6 | Trichlorofluoromethane | ND | 10 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 10 | µg/L |
| 8 | Dichloromethane | ND | 40 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 10 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 10 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 10 | µg/L |
| 12 | Bromochloromethane | ND | 10 | µg/L |
| 13 | Chloroform | ND | 10 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 10 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 10 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 10 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 10 | µg/L |
| 18 | Carbon tetrachloride | ND | 10 | µg/L |
| 19 | Benzene | ND | 5.0 | µg/L |
| 20 | Dibromomethane | ND | 10 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 10 | µg/L |
| 22 | Trichloroethene | ND | 10 | µg/L |
| 23 | Bromodichloromethane | ND | 10 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 10 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 10 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 10 | µg/L |
| 27 | Toluene | ND | 5.0 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 10 | µg/L |
| 29 | Dibromochloromethane | ND | 10 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 40 | µg/L |
| 31 | Tetrachloroethene | 1,100 | 10 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 10 | µg/L |
| 33 | Chlorobenzene | ND | 10 | µg/L |
| 34 | Ethylbenzene | ND | 5.0 | µg/L |
| 35 | m,p-Xylene | ND | 5.0 | µg/L |
| 36 | Bromoform | ND | 10 | µg/L |
| 37 | Styrene | ND | 10 | µg/L |
| 38 | o-Xylene | ND | 5.0 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 10 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 40 | µg/L |
| 41 | Isopropylbenzene | ND | 10 | µg/L |
| 42 | Bromobenzene | ND | 10 | µg/L |
| 43 | n-Propylbenzene | ND | 10 | µg/L |
| 44 | 4-Chlorotoluene | ND | 10 | µg/L |
| 45 | 2-Chlorotoluene | ND | 10 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 10 | µg/L |
| 47 | tert-Butylbenzene | ND | 10 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 10 | µg/L |
| 49 | sec-Butylbenzene | ND | 10 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 10 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 10 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 10 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 10 | µg/L |
| 54 | n-Butylbenzene | ND | 10 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 60 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 40 | µg/L |
| 57 | Naphthalene | ND | 40 | µg/L |
| 58 | Hexachlorobutadiene | ND | 40 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 40 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 107 | | %REC |
| 61 | Surr: Toluene-d8 | 101 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 106 | | %REC |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl  Randy Gardner  Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/2/06
**Report Date**

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06102751-03A
Client I.D. Number: MW-18 AP-MS

Sampled: 10/26/06
Received: 10/27/06
Analyzed: 10/30/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 30 | µg/L |
| 2 | Chloromethane | ND | 120 | µg/L |
| 3 | Vinyl chloride | ND | 30 | µg/L |
| 4 | Chloroethane | ND | 30 | µg/L |
| 5 | Bromomethane | ND | 120 | µg/L |
| 6 | Trichlorofluoromethane | ND | 30 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 30 | µg/L |
| 8 | Dichloromethane | ND | 120 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 30 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 30 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 30 | µg/L |
| 12 | Bromochloromethane | ND | 30 | µg/L |
| 13 | Chloroform | ND | 30 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 30 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 30 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 30 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 30 | µg/L |
| 18 | Carbon tetrachloride | ND | 30 | µg/L |
| 19 | Benzene | ND | 15 | µg/L |
| 20 | Dibromomethane | ND | 30 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 30 | µg/L |
| 22 | Trichloroethene | ND | 30 | µg/L |
| 23 | Bromodichloromethane | ND | 30 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 30 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 30 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 30 | µg/L |
| 27 | Toluene | ND | 15 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 30 | µg/L |
| 29 | Dibromochloromethane | ND | 30 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 120 | µg/L |
| 31 | Tetrachloroethene | 2,100 | 30 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 30 | µg/L |
| 33 | Chlorobenzene | ND | 30 | µg/L |
| 34 | Ethylbenzene | ND | 15 | µg/L |
| 35 | m,p-Xylene | ND | 15 | µg/L |
| 36 | Bromoform | ND | 30 | µg/L |
| 37 | Styrene | ND | 30 | µg/L |
| 38 | o-Xylene | ND | 15 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 30 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 120 | µg/L |
| 41 | Isopropylbenzene | ND | 30 | µg/L |
| 42 | Bromobenzene | ND | 30 | µg/L |
| 43 | n-Propylbenzene | ND | 30 | µg/L |
| 44 | 4-Chlorotoluene | ND | 30 | µg/L |
| 45 | 2-Chlorotoluene | ND | 30 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 30 | µg/L |
| 47 | tert-Butylbenzene | ND | 30 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 30 | µg/L |
| 49 | sec-Butylbenzene | ND | 30 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 30 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 30 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 30 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 30 | µg/L |
| 54 | n-Butylbenzene | ND | 30 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 180 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 120 | µg/L |
| 57 | Naphthalene | ND | 120 | µg/L |
| 58 | Hexachlorobutadiene | ND | 120 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 120 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 107 | | %REC |
| 61 | Surr: Toluene-d8 | 102 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 102 | | %REC |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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11/2/06
Report Date

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# VOC Sample Preservation Report

**Work Order:** URS06102751 **Project:** 26698724/Maryland Square

| Alpha's Sample ID | Client's Sample ID | Matrix | pH |
|---|---|---|---|
| 06102751-01A | MW-25 AP-MS | Aqueous | 2 |
| 06102751-02A | MW-1 AP-MS | Aqueous | 2 |
| 06102751-03A | MW-18 AP-MS | Aqueous | 2 |

11/2/06
**Report Date**

# Alpha Analytical, Inc.

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## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149
Date Received : 10/27/06

Job#: 26698724/Maryland Square

Alkalinity
EPA Method 310.1

| | | Parameter | Concentration | Reporting Limit | Date Sampled | Date Analyzed |
|---|---|---|---|---|---|---|
| Client ID : | **MW-25 AP-MS** | | | | | |
| Lab ID : | URS06102751-01A | Alkalinity, Total (As CaCO3 at pH 4.5) | 280 | 1.0 mg/L | 10/26/06 | 11/02/06 |
| Client ID : | **MW-1 AP-MS** | | | | | |
| Lab ID : | URS06102751-02A | Alkalinity, Total (As CaCO3 at pH 4.5) | 220 | 1.0 mg/L | 10/26/06 | 11/02/06 |
| Client ID : | **MW-18 AP-MS** | | | | | |
| Lab ID : | URS06102751-03A | Alkalinity, Total (As CaCO3 at pH 4.5) | 210 | 1.0 mg/L | 10/26/06 | 11/02/06 |

Roger Scholl Randy Gardner Walter Hinchman

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**11/2/06**
**Report Date**

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## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149
Date Received : 10/27/06

Job#: 26698724/Maryland Square

Anions by IC
EPA Method 300.0 / 9056

| | Parameter | Concentration | Reporting Limit | Date / Time Sampled | Date / Time Analyzed |
|---|---|---|---|---|---|
| Client ID : **MW-25 AP-MS** | Chloride | 200 | 2.5 mg/L | 10/26/06 12:18 | 10/31/06 14:33 |
| Lab ID : URS06102751-01A | Nitrate (NO3) - N | 5.2 | 0.25 mg/L | 10/26/06 12:18 | 10/27/06 13:50 |
| | Sulfate (SO4) | 1,900 | 25 mg/L | 10/26/06 12:18 | 11/03/06 14:11 |
| Client ID : **MW-1 AP-MS** | Chloride | 210 | 2.5 mg/L | 10/26/06 14:29 | 10/31/06 14:52 |
| Lab ID : URS06102751-02A | Nitrate (NO3) - N | 8.4 | 0.25 mg/L | 10/26/06 14:29 | 10/27/06 14:08 |
| | Sulfate (SO4) | 1,900 | 25 mg/L | 10/26/06 14:29 | 11/03/06 14:29 |
| Client ID : **MW-18 AP-MS** | Chloride | 180 | 2.5 mg/L | 10/26/06 15:20 | 10/31/06 15:10 |
| Lab ID : URS06102751-03A | Nitrate (NO3) - N | 5.2 | 0.25 mg/L | 10/26/06 15:20 | 10/27/06 14:27 |
| | Sulfate (SO4) | 1,900 | 25 mg/L | 10/26/06 15:20 | 11/03/06 14:48 |

Roger Scholl Randy Gardner Walter Hinchman

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**11/3/06**
**Report Date**

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## ANALYTICAL REPORT

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Las Vegas, NV 89119

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149
Date Received : 10/27/06

Job#: 26698724/Maryland Square

Metals by ICPMS
EPA Method 200.8

| | | Parameter | Concentration | Reporting Limit | Date Sampled | Date Analyzed |
|---|---|---|---|---|---|---|
| Client ID : | **MW-25 AP-MS** | | | | | |
| Lab ID : | URS06102751-01A | Manganese (Mn) | 0.020 | 0.0050 mg/L | 10/26/06 | 11/01/06 |
| | | Iron (Fe) | 3.2 | 0.30 mg/L | 10/26/06 | 11/01/06 |
| Client ID : | **MW-1 AP-MS** | | | | | |
| Lab ID : | URS06102751-02A | Manganese (Mn) | 0.044 | 0.0050 mg/L | 10/26/06 | 11/01/06 |
| | | Iron (Fe) | 5.1 | 0.30 mg/L | 10/26/06 | 11/01/06 |
| Client ID : | **MW-18 AP-MS** | | | | | |
| Lab ID : | URS06102751-03A | Manganese (Mn) | 0.011 | 0.0050 mg/L | 10/26/06 | 11/01/06 |
| | | Iron (Fe) | 2.1 | 0.30 mg/L | 10/26/06 | 11/01/06 |

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11/2/06
**Report Date**

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## ANALYTICAL REPORT

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Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149
Date Received 10/27/06

Job#: 26698724/Maryland Square

Total Organic Carbon as NonPurgeable Organic Carbon
EPA Method SW9060/415.1/SM-5310C

| | | Parameter | Concentration | Reporting Limit | Date Sampled | Date Analyzed |
|---|---|---|---|---|---|---|
| Client ID : | **MW-25 AP-MS** | | | | | |
| Lab ID : | URS06102751-01A | Total Organic Carbon | 2.0 | 1.0 mg/L | 10/26/06 | 10/30/06 |
| Client ID : | **MW-1 AP-MS** | | | | | |
| Lab ID : | URS06102751-02A | Total Organic Carbon | 2.8 | 1.0 mg/L | 10/26/06 | 10/30/06 |
| Client ID : | **MW-18 AP-MS** | | | | | |
| Lab ID : | URS06102751-03A | Total Organic Carbon | 1.7 | 1.0 mg/L | 10/26/06 | 10/30/06 |

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**11/2/06**
**Report Date**

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**Date:** *07-Nov-06*

## QC Summary Report

**Work Order:** 06102751

**Laboratory Control Spike** Type **LCS** Test Code: **EPA Method 310.1**

File ID: Batch ID: **W061102ALK** Analysis Date: **11/02/2006 00:00**

Sample ID: **LCS-W061102ALK** Units : **mg/L** Run ID: **WETLAB_061102A** Prep Date: **11/02/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 at pH 4.5) | 5 | 1 | 5 | | 100 | 90 | 110 | | | |

**Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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**Date:** *07-Nov-06*

## QC Summary Report

**Work Order:** 06102751

**Method Blank** Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **06103003.D** Batch ID: **MS08W1030A** Analysis Date: **10/30/2006 12:39**

Sample ID: **MBLK MS08W1030A** Units : µg/L Run ID: **MSD_08_061030A** Prep Date: **10/30/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 1 | | | | | | | | |
| Chloromethane | ND | 2 | | | | | | | | |
| Vinyl chloride | ND | 1 | | | | | | | | |
| Chloroethane | ND | 1 | | | | | | | | |
| Bromomethane | ND | 2 | | | | | | | | |
| Trichlorofluoromethane | ND | 1 | | | | | | | | |
| 1,1-Dichloroethene | ND | 1 | | | | | | | | |
| Dichloromethane | ND | 2 | | | | | | | | |
| trans-1,2-Dichloroethene | ND | 1 | | | | | | | | |
| 1,1-Dichloroethane | ND | 1 | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 1 | | | | | | | | |
| Bromochloromethane | ND | 1 | | | | | | | | |
| Chloroform | ND | 1 | | | | | | | | |
| 2,2-Dichloropropane | ND | 1 | | | | | | | | |
| 1,2-Dichloroethane | ND | 1 | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 1 | | | | | | | | |
| 1,1-Dichloropropene | ND | 1 | | | | | | | | |
| Carbon tetrachloride | ND | 1 | | | | | | | | |
| Benzene | ND | 1 | | | | | | | | |
| Dibromomethane | ND | 1 | | | | | | | | |
| 1,2-Dichloropropane | ND | 1 | | | | | | | | |
| Trichloroethene | ND | 1 | | | | | | | | |
| Bromodichloromethane | ND | 1 | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 1 | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 1 | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1 | | | | | | | | |
| Toluene | ND | 1 | | | | | | | | |
| 1,3-Dichloropropane | ND | 1 | | | | | | | | |
| Dibromochloromethane | ND | 1 | | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 2 | | | | | | | | |
| Tetrachloroethene | ND | 1 | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1 | | | | | | | | |
| Chlorobenzene | ND | 1 | | | | | | | | |
| Ethylbenzene | ND | 1 | | | | | | | | |
| m,p-Xylene | ND | 1 | | | | | | | | |
| Bromoform | ND | 1 | | | | | | | | |
| Styrene | ND | 1 | | | | | | | | |
| o-Xylene | ND | 1 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 1 | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 2 | | | | | | | | |
| Isopropylbenzene | ND | 1 | | | | | | | | |
| Bromobenzene | ND | 1 | | | | | | | | |
| n-Propylbenzene | ND | 1 | | | | | | | | |
| 4-Chlorotoluene | ND | 1 | | | | | | | | |
| 2-Chlorotoluene | ND | 1 | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1 | | | | | | | | |
| tert-Butylbenzene | ND | 1 | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1 | | | | | | | | |
| sec-Butylbenzene | ND | 1 | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 1 | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 1 | | | | | | | | |
| 4-Isopropyltoluene | ND | 1 | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 1 | | | | | | | | |
| n-Butylbenzene | ND | 1 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | 3 | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 2 | | | | | | | | |
| Naphthalene | ND | 2 | | | | | | | | |
| Hexachlorobutadiene | ND | 2 | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 2 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 8.81 | | 10 | | 88 | 76 | 127 | | | |
| Surr: Toluene-d8 | 10.7 | | 10 | | 107 | 84 | 113 | | | |
| Surr: 4-Bromofluorobenzene | 9.75 | | 10 | | 98 | 79 | 119 | | | |

# Alpha Analytical, Inc.

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**Date:** *07-Nov-06*

## QC Summary Report

**Work Order:** 06102751

### Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **06103004.D** Batch ID: **MS08W1030A** Analysis Date: **10/30/2006 13:02**

Sample ID: **LCS MS08W1030A** Units : **µg/L** Run ID: **MSD_08_061030A** Prep Date: **10/30/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 9.63 | 1 | 10 | | 96 | 80 | 120 | | | |
| Benzene | 10.5 | 0.5 | 10 | | 105 | 81 | 122 | | | |
| Trichloroethene | 10.4 | 1 | 10 | | 104 | 74 | 125 | | | |
| Toluene | 10.7 | 0.5 | 10 | | 107 | 80 | 120 | | | |
| Chlorobenzene | 10.6 | 1 | 10 | | 106 | 79 | 124 | | | |
| Ethylbenzene | 10.7 | 0.5 | 10 | | 107 | 80 | 120 | | | |
| m,p-Xylene | 10.9 | 0.5 | 10 | | 109 | 80 | 129 | | | |
| o-Xylene | 10.7 | 0.5 | 10 | | 107 | 80 | 129 | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.32 | | 10 | | 93 | 76 | 127 | | | |
| Surr: Toluene-d8 | 10.3 | | 10 | | 103 | 84 | 113 | | | |
| Surr: 4-Bromofluorobenzene | 9.44 | | 10 | | 94 | 79 | 119 | | | |

### Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **06103006.D** Batch ID: **MS08W1030A** Analysis Date: **10/30/2006 13:48**

Sample ID: **06102743-01AMS** Units : **µg/L** Run ID: **MSD_08_061030A** Prep Date: **10/30/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 49.4 | 2.5 | 50 | 0 | 99 | 65 | 127 | | | |
| Benzene | 55.7 | 1.3 | 50 | 0 | 111 | 74 | 125 | | | |
| Trichloroethene | 54.1 | 2.5 | 50 | 0 | 108 | 66 | 126 | | | |
| Toluene | 54.4 | 1.3 | 50 | 0 | 109 | 76 | 120 | | | |
| Chlorobenzene | 53.6 | 2.5 | 50 | 0 | 107 | 76 | 124 | | | |
| Ethylbenzene | 53.1 | 1.3 | 50 | 0 | 106 | 77 | 124 | | | |
| m,p-Xylene | 54.7 | 1.3 | 50 | 0 | 109 | 73 | 130 | | | |
| o-Xylene | 53.9 | 1.3 | 50 | 0 | 108 | 74 | 131 | | | |
| Surr: 1,2-Dichloroethane-d4 | 45.9 | | 50 | | 92 | 76 | 127 | | | |
| Surr: Toluene-d8 | 48.9 | | 50 | | 98 | 84 | 113 | | | |
| Surr: 4-Bromofluorobenzene | 47.8 | | 50 | | 96 | 79 | 119 | | | |

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **06103007.D** Batch ID: **MS08W1030A** Analysis Date: **10/30/2006 14:21**

Sample ID: **06102743-01AMSD** Units : **µg/L** Run ID: **MSD_08_061030A** Prep Date: **10/30/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 37.3 | 2.5 | 50 | 0 | 75 | 65 | 127 | 49.41 | 27.9(17) | R5 |
| Benzene | 42.2 | 1.3 | 50 | 0 | 84 | 74 | 125 | 55.71 | 27.6(13) | R5 |
| Trichloroethene | 41 | 2.5 | 50 | 0 | 82 | 66 | 126 | 54.09 | 27.6(13) | R5 |
| Toluene | 42.6 | 1.3 | 50 | 0 | 85 | 76 | 120 | 54.44 | 24.3(13) | R5 |
| Chlorobenzene | 41.9 | 2.5 | 50 | 0 | 84 | 76 | 124 | 53.58 | 24.4(12) | R5 |
| Ethylbenzene | 42.1 | 1.3 | 50 | 0 | 84 | 77 | 124 | 53.13 | 23.2(13) | R5 |
| m,p-Xylene | 43.5 | 1.3 | 50 | 0 | 87 | 73 | 130 | 54.68 | 22.7(14) | R5 |
| o-Xylene | 42.5 | 1.3 | 50 | 0 | 85 | 74 | 131 | 53.88 | 23.7(13) | R5 |
| Surr: 1,2-Dichloroethane-d4 | 41.8 | | 50 | | 84 | 76 | 127 | | | |
| Surr: Toluene-d8 | 52 | | 50 | | 104 | 84 | 113 | | | |
| Surr: 4-Bromofluorobenzene | 51.7 | | 50 | | 103 | 79 | 119 | | | |

**Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

R5 = MS/MSD RPD exceed the laboratory control limit. Recovery met acceptance criteria.

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


**Date:** *07-Nov-06*

## QC Summary Report

**Work Order:** 06102751

### Method Blank

Type **MBLK** Test Code: **EPA Method 300.0 / 9056**

File ID: **15** Batch ID: **15965A** Analysis Date: **10/27/2006 12:36**

Sample ID: **MB-15965** Units : **mg/L** Run ID: **IC_2_061027A** Prep Date: **10/27/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate (NO3) - N | ND | 0.25 | | | | | | | | |

### Laboratory Fortified Blank

Type **LFB** Test Code: **EPA Method 300.0 / 9056**

File ID: **16** Batch ID: **15965A** Analysis Date: **10/27/2006 12:54**

Sample ID: **LFB-15965** Units : **mg/L** Run ID: **IC_2_061027A** Prep Date: **10/27/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate (NO3) - N | 0.524 | 0.25 | 0.5 | | 105 | 90 | 110 | | | |

### Sample Matrix Spike

Type **LFM** Test Code: **EPA Method 300.0 / 9056**

File ID: **25** Batch ID: **15965A** Analysis Date: **10/27/2006 15:41**

Sample ID: **06102503-02ALFM** Units : **mg/L** Run ID: **IC_2_061027A** Prep Date: **10/27/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate (NO3) - N | 26.3 | 0.63 | 25 | 0 | 105 | 80 | 120 | | | |

### Sample Matrix Spike Duplicate

Type **LFMD** Test Code: **EPA Method 300.0 / 9056**

File ID: **26** Batch ID: **15965A** Analysis Date: **10/27/2006 15:59**

Sample ID: **06102503-02ALFMD** Units : **mg/L** Run ID: **IC_2_061027A** Prep Date: **10/27/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate (NO3) - N | 26.4 | 0.63 | 25 | 0 | 106 | 80 | 120 | 26.32 | 0.4(2) | |

**Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


**Date:** *07-Nov-06*

## QC Summary Report

**Work Order:** 06102751

### Method Blank

Type **MBLK** Test Code: **EPA Method 300.0 / 9056**

File ID: **15** Batch ID: **15994C** Analysis Date: **10/31/2006 11:09**

Sample ID: **MB-15994** Units : **mg/L** Run ID: **IC_2_061031A** Prep Date: **10/31/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.5 | | | | | | | | |

### Laboratory Fortified Blank

Type **LFB** Test Code: **EPA Method 300.0 / 9056**

File ID: **16** Batch ID: **15994C** Analysis Date: **10/31/2006 11:28**

Sample ID: **LFB-15994** Units : **mg/L** Run ID: **IC_2_061031A** Prep Date: **10/31/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 0.962 | 0.5 | 1 | | 96 | 90 | 110 | | | |

### Sample Matrix Spike

Type **LFM** Test Code: **EPA Method 300.0 / 9056**

File ID: **23** Batch ID: **15994C** Analysis Date: **10/31/2006 13:37**

Sample ID: **06103140-04ALFM** Units : **mg/L** Run ID: **IC_2_061031A** Prep Date: **10/31/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 50.1 | 0.5 | 20 | 29.17 | 105 | 80 | 120 | | | |

### Sample Matrix Spike Duplicate

Type **LFMD** Test Code: **EPA Method 300.0 / 9056**

File ID: **24** Batch ID: **15994C** Analysis Date: **10/31/2006 13:56**

Sample ID: **06103140-04ALFMD** Units : **mg/L** Run ID: **IC_2_061031A** Prep Date: **10/31/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 50.5 | 0.5 | 20 | 29.17 | 106 | 80 | 120 | 50.14 | 0.7(3) | |

**Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


**Date:** *07-Nov-06*

## QC Summary Report

**Work Order:** 06102751

### Method Blank

Type **MBLK** Test Code: **EPA Method 300.0 / 9056**

File ID: **15** Batch ID: **15994B** Analysis Date: **10/31/2006 11:09**

Sample ID: **MB-15994** Units : **mg/L** Run ID: **IC_2_061031A** Prep Date: **10/31/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate (SO4) | ND | 0.5 | | | | | | | | |

### Laboratory Fortified Blank

Type **LFB** Test Code: **EPA Method 300.0 / 9056**

File ID: **16** Batch ID: **15994B** Analysis Date: **10/31/2006 11:28**

Sample ID: **LFB-15994** Units : **mg/L** Run ID: **IC_2_061031A** Prep Date: **10/31/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate (SO4) | 1.02 | 0.5 | 1 | | 102 | 90 | 110 | | | |

### Sample Matrix Spike

Type **LFM** Test Code: **EPA Method 300.0 / 9056**

File ID: **23** Batch ID: **15994B** Analysis Date: **10/31/2006 13:37**

Sample ID: **06103140-04ALFM** Units : **mg/L** Run ID: **IC_2_061031A** Prep Date: **10/31/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate (SO4) | 82.4 | 0.5 | 20 | 60.08 | 111 | 80 | 120 | | | |

### Sample Matrix Spike Duplicate

Type **LFMD** Test Code: **EPA Method 300.0 / 9056**

File ID: **24** Batch ID: **15994B** Analysis Date: **10/31/2006 13:56**

Sample ID: **06103140-04ALFMD** Units : **mg/L** Run ID: **IC_2_061031A** Prep Date: **10/31/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate (SO4) | 83.3 | 0.5 | 20 | 60.08 | 116 | 80 | 120 | 82.36 | 1.1(2) | |

**Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

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**Date:** *07-Nov-06*

## QC Summary Report

**Work Order:** 06102751

### Method Blank

Type **MBLK** Test Code: **EPA Method 200.8**

File ID: **103106.B\081_ICB.D** Batch ID: **15984** Analysis Date: **11/01/2006 19:29**

Sample ID: **MB-15984** Units : **mg/L** Run ID: **ICP/MS_061101F** Prep Date: **10/30/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Manganese (Mn) | ND | 0.005 | | | | | | | | |
| Iron (Fe) | ND | 0.3 | | | | | | | | |

### Laboratory Control Spike

Type **LCS** Test Code: **EPA Method 200.8**

File ID: **103106.B\082_LCS.D** Batch ID: **15984** Analysis Date: **11/01/2006 19:34**

Sample ID: **LCS-15984** Units : **mg/L** Run ID: **ICP/MS_061101F** Prep Date: **10/30/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Manganese (Mn) | 0.0606 | 0.005 | 0.05 | | 121 | 85 | 115 | | | L51 |
| Iron (Fe) | 11.1 | 0.3 | 10 | | 111 | 85 | 115 | | | |

### Sample Matrix Spike

Type **MS** Test Code: **EPA Method 200.8**

File ID: **103106.B\085SMPL.D** Batch ID: **15984** Analysis Date: **11/01/2006 19:49**

Sample ID: **06102751-01AMS** Units : **mg/L** Run ID: **ICP/MS_061101F** Prep Date: **10/30/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Manganese (Mn) | 0.0756 | 0.005 | 0.05 | 0.02029 | 111 | 70 | 130 | | | |
| Iron (Fe) | 14.2 | 0.3 | 10 | 3.248 | 109 | 70 | 130 | | | |

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method 200.8**

File ID: **103106.B\086SMPL.D** Batch ID: **15984** Analysis Date: **11/01/2006 19:54**

Sample ID: **06102751-01AMSD** Units : **mg/L** Run ID: **ICP/MS_061101F** Prep Date: **10/30/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Manganese (Mn) | 0.0772 | 0.005 | 0.05 | 0.02029 | 114 | 70 | 130 | 0.07555 | 2.2(10) | |
| Iron (Fe) | 14.6 | 0.3 | 10 | 3.248 | 114 | 70 | 130 | 14.18 | 2.9(10) | |

**Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

L51 = Analyte recovery was above acceptance limits for the LCS, but was acceptable in the MS/MSD.

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


**Date:** *08-Nov-06*

## QC Summary Report

**Work Order:** 06102751

### Method Blank

Type **MBLK** Test Code: **EPA Method SW9060/415.1/SM-5310C**

File ID: Batch ID: **TOC103006** Analysis Date: **10/30/2006 15:54**

Sample ID: **MBLK-103006TOC** Units : **mg/L** Run ID: **TOC_061030A** Prep Date: **10/30/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | 1 | | | | | | | | |

### Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW9060/415.1/SM-5310C**

File ID: Batch ID: **TOC103006** Analysis Date: **10/30/2006 15:28**

Sample ID: **LCS-103006TOC** Units : **mg/L** Run ID: **TOC_061030A** Prep Date: **10/30/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 5.05 | 1 | 5 | | 101 | 74 | 125 | | | |

### Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW9060/415.1/SM-5310C**

File ID: Batch ID: **TOC103006** Analysis Date: **10/31/2006 01:37**

Sample ID: **06102755-05AMS** Units : **mg/L** Run ID: **TOC_061030A** Prep Date: **10/31/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 24 | 1 | 20 | 10.38 | 68 | 56 | 137 | | | |

### Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW9060/415.1/SM-5310C**

File ID: Batch ID: **TOC103006** Analysis Date: **10/31/2006 02:07**

Sample ID: **06102755-05AMSD** Units : **mg/L** Run ID: **TOC_061030A** Prep Date: **10/31/2006**

| Analyte | Result | PQL | SpkVal | SpkRefVal | %REC | LowLimit | HighLimit | RPDRefVal | %RPD(Limit) | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 23.4 | 1 | 20 | 10.38 | 65 | 56 | 137 | 23.96 | 2.4(15) | |

**Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

# CHAIN-OF-CUSTODY RECORD

NV

**Alpha Analytical, Inc.**
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

**WorkOrder : URS06102751**

**Report Due By : 5:00 PM On : 03-Nov-06**

**Client:**
URS Corporation
811 Grier Dr.

Las Vegas, NV 89119

Holly Woodward
TEL : (702) 492-7922 x
FAX : (702) 492-9149
EMail : holly_woodward@urscorp.com

EDD Required : No

Sampled by : Client

**Report Attention :** Holly Woodward
**CC Report :**

Job : 26698724/Maryland Square
PO : Maryland Square
Client's COC # : 12485

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| 4 °C | 27-Oct-06 | 27-Oct-06 |

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles ORG | SUB | TAT | PWS # | ALKALINITY_W | ANIONS(A)_W | ANIONS(B)_W | ANIONS(C)_W | METALS_DW | TOC_W | VOC_W | | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| URS06102751-01A | MW-25 AP-MS | AQ | 10/26/06 12:18 | 6 | 0 | 5 | | Alk | NO3, SO4, Cl | NO3, SO4, Cl | NO3, SO4, Cl | Fe, Mn | TOC | 8260_N | | |
| URS06102751-02A | MW-1 AP-MS | AQ | 10/26/06 14:29 | 6 | 0 | 5 | | Alk | NO3, SO4, Cl | NO3, SO4, Cl | NO3, SO4, Cl | Fe, Mn | TOC | 8260_N | | |
| URS06102751-03A | MW-18 AP-MS | AQ | 10/26/06 15:20 | 6 | 0 | 5 | | Alk | NO3, SO4, Cl | NO3, SO4, Cl | NO3, SO4, Cl | Fe, Mn | TOC | 8260_N | | |

Requested Tests

**Comments:** Security seals intact. Frozen ice. :

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| Logged in by: | Tara Dickinson | Tara Dickinson | Alpha Analytical, Inc. | 10/27/06 8:40 |

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

**Billing Information:**
Name: URS Corp.
Address: 811 Grier Dr
City, State, Zip: Las Vegas NV 89119
Phone Number: 702-492-7900 Fax: 702-492-9149

**Alpha Analytical, Inc.**
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

Samples Collected From Which State?
AZ ___ CA ___ NV X WA ___
ID ___ OR ___ OTHER ___

Page # ___ of ___

12485

Client Name: Same
Address:
City, State, Zip:
P.O. # Maryland Square
Job # 26698-724
EMail Address: holly-woodward@urscorp.com
Phone # 702-492-7923
Fax # 702-492-9149
Report Attention:
Sampled by:
Office Use Only

Required QC Level? I II III IV
EDD / EDF? YES ___ NO ___
Global ID # ___

| Time Sampled | Date Sampled | Matrix* See Key Below | Lab ID Number | Sample Description | TAT | Field Filtered | Total and type of containers ** See below | 8260B VOC | 415.1 TOC | 300 N/S/Cl | 310 Alk | 200.8 Fe/Mn | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1218 | 10/26/06 | AQ | URS0010275-01 | MW-25 AP-MS | | No | 3V | X | | | | | | | | |
| | | | | | | | 1x500ml | | | X | X | | | | | |
| | | | | | | | 1x500ml | | | | | X | | | | |
| | | | | | | | 250ml Glass Amb | | X | | | | | | | |
| 1429 | | | -02 | MW-1 AP-MS | | | 3V | X | | | | | | | | |
| | | | | | | | 1x500ml | | | X | X | | | | | |
| | | | | | | | 1x500ml | | | | | X | | | | |
| | | | | | | | 250ml Glass Amb | | X | | | | | | | |
| 1520 | | | -03 | MW-18 AP-MS | | | 3V | X | | | | | | | | |
| | | | | | | | 1x500ml | | | X | X | | | | | |
| | | | | | | | 1x500ml | | | | | X | | | | |
| | | | | | | | 250ml Glass Amb | | X | | | | | | | |
| | | | | | | | | | | | | | | | | LBL 10/26/06 |

**ADDITIONAL INSTRUCTIONS:**

| | Signature | Print Name | Company | Date | Time |
|---|---|---|---|---|---|
| Relinquished by | [signature] | Lisa B. Lowe | URS | 10/26/06 | 1627 |
| Received by | [signature] | V. Smith | Alpha | 10-26-06 | 4:30 |
| Relinquished by | [signature] | V. Smith | Alpha | 10-26-06 | 4:30 |
| Received by | [signature] | Tara Dickinson | alpha | 10/27/06 | 838 |
| Relinquished by | | | | | |
| Received by | | | | | |

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

**NOTE:** Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149
Date Received : 10/31/06

Job#: 26698724/Maryland Square

Alkalinity
EPA Method 310.1

| | | Parameter | Concentration | Reporting Limit | Date Sampled | Date Analyzed |
|---|---|---|---|---|---|---|
| Client ID : | AP-MS MW-13 | | | | | |
| Lab ID : | URS06103151-04A | Alkalinity, Total (As CaCO3 at pH 4.5) | 220 | 1.0 mg/L | 10/27/06 | 11/06/06 |

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/6/06
**Report Date**

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149
Date Received : 10/31/06

Job#: 26698724/Maryland Square

Anions by IC
EPA Method 300.0 / 9056

| | Parameter | Concentration | | Reporting Limit | Date / Time Sampled | Date / Time Analyzed |
|---|---|---|---|---|---|---|
| Client ID : AP-MS MW-13 | Chloride | 190 | | 2.5 mg/L | 10/27/06 11:07 | 10/31/06 19:11 |
| | Nitrate (NO3) - N | 6.2 | * | 0.25 mg/L | 10/27/06 11:07 | 11/01/06 00:07 |
| Lab ID : URS06103151-04A | Sulfate (SO4) | 1,700 | | 25 mg/L | 10/27/06 11:07 | 10/31/06 19:29 |

*Nitrate was analyzed on a preserved sample. The accuracy of Nitrate may be biased high due to the possible oxidation of Nitrite to Nitrate.

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/06/06
**Report Date**

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149
Date Received 10/31/06

Job#: 26698724/Maryland Square

Total Organic Carbon as NonPurgeable Organic Carbon
EPA Method SW9060/415.1/SM-5310C

| | | Parameter | Concentration | Reporting Limit | Date Sampled | Date Analyzed |
|---|---|---|---|---|---|---|
| Client ID : | AP-MS MW-13 | | | | | |
| Lab ID : | URS06103151-04A | Total Organic Carbon | 2.7 | 1.0 mg/L | 10/27/06 | 10/31/06 |

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/6/06
**Report Date**

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149
Date Received : 10/31/06

Job#: 26698724/Maryland Square

Metals by ICPMS
EPA Method 200.8

| | | Parameter | Concentration | Reporting Limit | Date Sampled | Date Analyzed |
|---|---|---|---|---|---|---|
| Client ID : | AP-MS MW-13 | | | | | |
| Lab ID : | URS06103151-04A | Manganese (Mn) | 0.48 | 0.0050 mg/L | 10/27/06 | 11/01/06 |
| | | Iron (Fe) | 20 | 0.30 mg/L | 10/27/06 | 11/01/06 |

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/6/06
**Report Date**

# Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183


## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06103151-01A
Client I.D. Number: AP-MS MW-20

Sampled: 10/27/06
Received: 10/31/06
Analyzed: 11/02/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 20 | µg/L |
| 2 | Chloromethane | ND | 80 | µg/L |
| 3 | Vinyl chloride | ND | 20 | µg/L |
| 4 | Chloroethane | ND | 20 | µg/L |
| 5 | Bromomethane | ND | 80 | µg/L |
| 6 | Trichlorofluoromethane | ND | 20 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 20 | µg/L |
| 8 | Dichloromethane | ND | 80 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 20 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 20 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 20 | µg/L |
| 12 | Bromochloromethane | ND | 20 | µg/L |
| 13 | Chloroform | ND | 20 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 20 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 20 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 20 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 20 | µg/L |
| 18 | Carbon tetrachloride | ND | 20 | µg/L |
| 19 | Benzene | ND | 10 | µg/L |
| 20 | Dibromomethane | ND | 20 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 20 | µg/L |
| 22 | Trichloroethene | ND | 20 | µg/L |
| 23 | Bromodichloromethane | ND | 20 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 20 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 20 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 20 | µg/L |
| 27 | Toluene | ND | 10 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 20 | µg/L |
| 29 | Dibromochloromethane | ND | 20 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 80 | µg/L |
| 31 | Tetrachloroethene | 2,000 | 20 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 20 | µg/L |
| 33 | Chlorobenzene | ND | 20 | µg/L |
| 34 | Ethylbenzene | ND | 10 | µg/L |
| 35 | m,p-Xylene | ND | 10 | µg/L |
| 36 | Bromoform | ND | 20 | µg/L |
| 37 | Styrene | ND | 20 | µg/L |
| 38 | o-Xylene | ND | 10 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 20 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 80 | µg/L |
| 41 | Isopropylbenzene | ND | 20 | µg/L |
| 42 | Bromobenzene | ND | 20 | µg/L |
| 43 | n-Propylbenzene | ND | 20 | µg/L |
| 44 | 4-Chlorotoluene | ND | 20 | µg/L |
| 45 | 2-Chlorotoluene | ND | 20 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 20 | µg/L |
| 47 | tert-Butylbenzene | ND | 20 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 20 | µg/L |
| 49 | sec-Butylbenzene | ND | 20 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 20 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 20 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 20 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 20 | µg/L |
| 54 | n-Butylbenzene | ND | 20 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 120 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 80 | µg/L |
| 57 | Naphthalene | ND | 80 | µg/L |
| 58 | Hexachlorobutadiene | ND | 80 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 80 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 105 | | %REC |
| 61 | Surr: Toluene-d8 | 96 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 102 | | %REC |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl  Randy Gardner  Walter Hinchman

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11/6/06
**Report Date**

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## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06103151-02A
Client I.D. Number: AP-MS MW-14

Sampled: 10/27/06
Received: 10/31/06
Analyzed: 11/02/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 20 | µg/L |
| 2 | Chloromethane | ND | 80 | µg/L |
| 3 | Vinyl chloride | ND | 20 | µg/L |
| 4 | Chloroethane | ND | 20 | µg/L |
| 5 | Bromomethane | ND | 80 | µg/L |
| 6 | Trichlorofluoromethane | ND | 20 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 20 | µg/L |
| 8 | Dichloromethane | ND | 80 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 20 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 20 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 20 | µg/L |
| 12 | Bromochloromethane | ND | 20 | µg/L |
| 13 | Chloroform | ND | 20 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 20 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 20 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 20 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 20 | µg/L |
| 18 | Carbon tetrachloride | ND | 20 | µg/L |
| 19 | Benzene | ND | 10 | µg/L |
| 20 | Dibromomethane | ND | 20 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 20 | µg/L |
| 22 | Trichloroethene | ND | 20 | µg/L |
| 23 | Bromodichloromethane | ND | 20 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 20 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 20 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 20 | µg/L |
| 27 | Toluene | ND | 10 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 20 | µg/L |
| 29 | Dibromochloromethane | ND | 20 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 80 | µg/L |
| 31 | Tetrachloroethene | 1,900 | 20 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 20 | µg/L |
| 33 | Chlorobenzene | ND | 20 | µg/L |
| 34 | Ethylbenzene | ND | 10 | µg/L |
| 35 | m,p-Xylene | ND | 10 | µg/L |
| 36 | Bromoform | ND | 20 | µg/L |
| 37 | Styrene | ND | 20 | µg/L |
| 38 | o-Xylene | ND | 10 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 20 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 80 | µg/L |
| 41 | Isopropylbenzene | ND | 20 | µg/L |
| 42 | Bromobenzene | ND | 20 | µg/L |
| 43 | n-Propylbenzene | ND | 20 | µg/L |
| 44 | 4-Chlorotoluene | ND | 20 | µg/L |
| 45 | 2-Chlorotoluene | ND | 20 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 20 | µg/L |
| 47 | tert-Butylbenzene | ND | 20 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 20 | µg/L |
| 49 | sec-Butylbenzene | ND | 20 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 20 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 20 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 20 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 20 | µg/L |
| 54 | n-Butylbenzene | ND | 20 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 120 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 80 | µg/L |
| 57 | Naphthalene | ND | 80 | µg/L |
| 58 | Hexachlorobutadiene | ND | 80 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 80 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 108 | | %REC |
| 61 | Surr: Toluene-d8 | 96 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 103 | | %REC |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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11/6/06
**Report Date**

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## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06103151-03A
Client I.D. Number: AP-MS MW-2

Sampled: 10/27/06
Received: 10/31/06
Analyzed: 11/06/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 20 | µg/L |
| 2 | Chloromethane | ND | 80 | µg/L |
| 3 | Vinyl chloride | ND | 20 | µg/L |
| 4 | Chloroethane | ND | 20 | µg/L |
| 5 | Bromomethane | ND | 80 | µg/L |
| 6 | Trichlorofluoromethane | ND | 20 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 20 | µg/L |
| 8 | Dichloromethane | ND | 80 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 20 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 20 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 20 | µg/L |
| 12 | Bromochloromethane | ND | 20 | µg/L |
| 13 | Chloroform | ND | 20 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 20 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 20 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 20 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 20 | µg/L |
| 18 | Carbon tetrachloride | ND | 20 | µg/L |
| 19 | Benzene | ND | 10 | µg/L |
| 20 | Dibromomethane | ND | 20 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 20 | µg/L |
| 22 | Trichloroethene | ND | 20 | µg/L |
| 23 | Bromodichloromethane | ND | 20 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 20 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 20 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 20 | µg/L |
| 27 | Toluene | ND | 10 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 20 | µg/L |
| 29 | Dibromochloromethane | ND | 20 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 80 | µg/L |
| 31 | Tetrachloroethene | 1,900 | 20 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 20 | µg/L |
| 33 | Chlorobenzene | ND | 20 | µg/L |
| 34 | Ethylbenzene | ND | 10 | µg/L |
| 35 | m,p-Xylene | ND | 10 | µg/L |
| 36 | Bromoform | ND | 20 | µg/L |
| 37 | Styrene | ND | 20 | µg/L |
| 38 | o-Xylene | ND | 10 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 20 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 80 | µg/L |
| 41 | Isopropylbenzene | ND | 20 | µg/L |
| 42 | Bromobenzene | ND | 20 | µg/L |
| 43 | n-Propylbenzene | ND | 20 | µg/L |
| 44 | 4-Chlorotoluene | ND | 20 | µg/L |
| 45 | 2-Chlorotoluene | ND | 20 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 20 | µg/L |
| 47 | tert-Butylbenzene | ND | 20 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 20 | µg/L |
| 49 | sec-Butylbenzene | ND | 20 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 20 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 20 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 20 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 20 | µg/L |
| 54 | n-Butylbenzene | ND | 20 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 120 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 80 | µg/L |
| 57 | Naphthalene | ND | 80 | µg/L |
| 58 | Hexachlorobutadiene | ND | 80 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 80 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 99 | | %REC |
| 61 | Surr: Toluene-d8 | 105 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 96 | | %REC |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl  Randy Gardner  Walter Hinchman


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11/6/06
**Report Date**

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## ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724/Maryland Square

Attn: Holly Woodward
Phone: (702) 492-7922
Fax: (702) 492-9149

Alpha Analytical Number: URS06103151-04A
Client I.D. Number: AP-MS MW-13

Sampled: 10/27/06
Received: 10/31/06
Analyzed: 11/02/06

Volatile Organics by GC/MS
EPA Method SW8260B

| | Compound | Concentration | Reporting Limit | |
|---|---|---|---|---|
| 1 | Dichlorodifluoromethane | ND | 30 | µg/L |
| 2 | Chloromethane | ND | 120 | µg/L |
| 3 | Vinyl chloride | ND | 30 | µg/L |
| 4 | Chloroethane | ND | 30 | µg/L |
| 5 | Bromomethane | ND | 120 | µg/L |
| 6 | Trichlorofluoromethane | ND | 30 | µg/L |
| 7 | 1,1-Dichloroethene | ND | 30 | µg/L |
| 8 | Dichloromethane | ND | 120 | µg/L |
| 9 | trans-1,2-Dichloroethene | ND | 30 | µg/L |
| 10 | 1,1-Dichloroethane | ND | 30 | µg/L |
| 11 | cis-1,2-Dichloroethene | ND | 30 | µg/L |
| 12 | Bromochloromethane | ND | 30 | µg/L |
| 13 | Chloroform | ND | 30 | µg/L |
| 14 | 2,2-Dichloropropane | ND | 30 | µg/L |
| 15 | 1,2-Dichloroethane | ND | 30 | µg/L |
| 16 | 1,1,1-Trichloroethane | ND | 30 | µg/L |
| 17 | 1,1-Dichloropropene | ND | 30 | µg/L |
| 18 | Carbon tetrachloride | ND | 30 | µg/L |
| 19 | Benzene | ND | 15 | µg/L |
| 20 | Dibromomethane | ND | 30 | µg/L |
| 21 | 1,2-Dichloropropane | ND | 30 | µg/L |
| 22 | Trichloroethene | ND | 30 | µg/L |
| 23 | Bromodichloromethane | ND | 30 | µg/L |
| 24 | cis-1,3-Dichloropropene | ND | 30 | µg/L |
| 25 | trans-1,3-Dichloropropene | ND | 30 | µg/L |
| 26 | 1,1,2-Trichloroethane | ND | 30 | µg/L |
| 27 | Toluene | ND | 15 | µg/L |
| 28 | 1,3-Dichloropropane | ND | 30 | µg/L |
| 29 | Dibromochloromethane | ND | 30 | µg/L |
| 30 | 1,2-Dibromoethane (EDB) | ND | 120 | µg/L |
| 31 | Tetrachloroethene | 2,800 | 30 | µg/L |
| 32 | 1,1,1,2-Tetrachloroethane | ND | 30 | µg/L |
| 33 | Chlorobenzene | ND | 30 | µg/L |
| 34 | Ethylbenzene | ND | 15 | µg/L |
| 35 | m,p-Xylene | ND | 15 | µg/L |
| 36 | Bromoform | ND | 30 | µg/L |
| 37 | Styrene | ND | 30 | µg/L |
| 38 | o-Xylene | ND | 15 | µg/L |
| 39 | 1,1,2,2-Tetrachloroethane | ND | 30 | µg/L |
| 40 | 1,2,3-Trichloropropane | ND | 120 | µg/L |
| 41 | Isopropylbenzene | ND | 30 | µg/L |
| 42 | Bromobenzene | ND | 30 | µg/L |
| 43 | n-Propylbenzene | ND | 30 | µg/L |
| 44 | 4-Chlorotoluene | ND | 30 | µg/L |
| 45 | 2-Chlorotoluene | ND | 30 | µg/L |
| 46 | 1,3,5-Trimethylbenzene | ND | 30 | µg/L |
| 47 | tert-Butylbenzene | ND | 30 | µg/L |
| 48 | 1,2,4-Trimethylbenzene | ND | 30 | µg/L |
| 49 | sec-Butylbenzene | ND | 30 | µg/L |
| 50 | 1,3-Dichlorobenzene | ND | 30 | µg/L |
| 51 | 1,4-Dichlorobenzene | ND | 30 | µg/L |
| 52 | 4-Isopropyltoluene | ND | 30 | µg/L |
| 53 | 1,2-Dichlorobenzene | ND | 30 | µg/L |
| 54 | n-Butylbenzene | ND | 30 | µg/L |
| 55 | 1,2-Dibromo-3-chloropropane (DBCP) | ND | 180 | µg/L |
| 56 | 1,2,4-Trichlorobenzene | ND | 120 | µg/L |
| 57 | Naphthalene | ND | 120 | µg/L |
| 58 | Hexachlorobutadiene | ND | 120 | µg/L |
| 59 | 1,2,3-Trichlorobenzene | ND | 120 | µg/L |
| 60 | Surr: 1,2-Dichloroethane-d4 | 107 | | %REC |
| 61 | Surr: Toluene-d8 | 95 | | %REC |
| 62 | Surr: 4-Bromofluorobenzene | 103 | | %REC |

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl  Randy Gardner  Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

11/6/06
**Report Date**

*Alpha Analytical, Inc.*
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

# VOC Sample Preservation Report

**Work Order:** URS06103151 **Project:** 26698724/Maryland Square

| Alpha's Sample ID | Client's Sample ID | Matrix | pH |
|---|---|---|---|
| 06103151-01A | AP-MS MW-20 | Aqueous | 6 |
| 06103151-02A | AP-MS MW-14 | Aqueous | 6 |
| 06103151-03A | AP-MS MW-2 | Aqueous | 2 |
| 06103151-04A | AP-MS MW-13 | Aqueous | 2 |

**11/6/06**
**Report Date**

Billing Information :

# CHAIN-OF-CUSTODY RECORD

NV

**Alpha Analytical, Inc.**
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

**WorkOrder : URS06103151**

**Report Due By : 5:00 PM On : 07-Nov-06**

Client:
URS Corporation
811 Grier Dr.

Las Vegas, NV 89119

Holly Woodward
TEL : (702) 492-7922 x
FAX : (702) 492-9149
EMail : holly_woodward@urscorp.com

EDD Required : No

Sampled by : LL, HW

Report Attention : Holly Woodward
CC Report :

Job : 26698724/Maryland Square
PO :
Client's COC # : 12413

| Cooler Temp | Samples Received | Date Printed |
|---|---|---|
| 4 °C | 31-Oct-06 | 31-Oct-06 |

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

| Alpha Sample ID | Client Sample ID | Matrix | Collection Date | No. of Bottles ORG | SUB | TAT | PWS # | Requested Tests ALKALINITY_W | ANIONS(A)_W | ANIONS(B)_W | ANIONS(C)_W | METALS_DW | TOC_W | VOC_W | | Sample Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| URS06103151-01A | AP-MS MW-20 | AQ | 10/27/06 07:58 | 3 | 0 | 5 | | | | | | | | 8260_N | | |
| URS06103151-02A | AP-MS MW-14 | AQ | 10/27/06 09:52 | 1 | 0 | 5 | | | | | | | | 8260_N | | |
| URS06103151-03A | AP-MS MW-2 | AQ | 10/27/06 10:33 | 3 | 0 | 5 | | | | | | | | 8260_N | | |
| URS06103151-04A | AP-MS MW-13 | AQ | 10/27/06 11:07 | 6 | 0 | 5 | | Alk | NO3, SO4, Cl | NO3, SO4, Cl | NO3, SO4, Cl | Fe, Mn | TOC | 8260_N | | |

Comments: Security seal intact. Frozen ice. :

| | Signature | Print Name | Company | Date/Time |
|---|---|---|---|---|
| Logged in by: | Tara Dickinson | Tara Dickinson | Alpha Analytical, Inc. | 10/31/06 825 |

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

**Billing Information:**
Name: URS Corporation
Address: 811 Grier Drive
City, State, Zip: Las Vegas, NV 89119
Phone Number: 702-492-7900 Fax: 702-492-9149

**Alpha Analytical, Inc.**
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

**Samples Collected From Which State?**
AZ ___ CA ___ NV ✓ WA ___
ID ___ OR ___ OTHER ___

Page # ___ of ___

12413

Client Name: SAME
Address:
City, State, Zip:

P.O. #: Maryland Square
Job #: 26698724
EMail Address: holly_woodward@urs.com
Phone #: 702-492-7922
Fax #: 702-492-9149

Sampled by: L. Lowe, H. Woodward
Report Attention: Holly Woodward

Required QC Level? I II III IV
EDD / EDF? YES ___ NO ___
Global ID # ___

Analyses Required: 8260B VOC; 415.1 TOC; 300 N/S/Cl; 310 Alk; 200.8 Fe/Mn

| Time Sampled | Date Sampled | Matrix* See Key Below | Office Use Only / Lab ID Number | Sample Description | TAT | Field Filtered | Total and type of containers ** See below | 8260B VOC | 415.1 TOC | 300 N/S/Cl | 310 Alk | 200.8 Fe/Mn | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0758 | 10/27/06 | AQ | URS061031S1-01 | AP-MS MW-20 | | N | 3 V | X | | | | | | | | |
| 0952 | 10/27/06 | AQ | -02 | AP-MS MW-14 | | | 2 V | X | | | | | | | | |
| 1033 | 10/27/06 | AQ | -03 | AP-MS MW-2 | | | 3 V | X | | | | | | | | |
| 1107 | 10/27/06 | AQ | -04 | AP-MS MW-13 | | | 3 V | X | | | | | | | | |
| | | | | | | | 1 glass | | X | | | | | | | |
| | | | | | | | 1 p | | | X | X | | | | | 10/30/06 |
| | | | | | | | 1 p | | | | X | | | | | |
| 1107 | 10/27/06 | AQ | | AP-MS MW-13 | | N | 1 p | | | | | X | | | | |

10/30/06

**ADDITIONAL INSTRUCTIONS:**

| | Signature | Print Name | Company | Date | Time |
|---|---|---|---|---|---|
| Relinquished by | Holly Woodward | Holly Woodward | URS | 10-30-06 | 9:50 |
| Received by | [illegible] | V. SMITH | Alpha | 10-30-06 | 9:50 |
| Relinquished by | [illegible] | V. SMITH | Alpha | 10-30-06 | 4:30 |
| Received by | Tara Dickinson | Tara Dickinson | Alpha | 10/31/06 | 824 |
| Relinquished by | | | | | |
| Received by | | | | | |

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

**NOTE:** Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.