

C.O.C.: C03556

REPORT No. B09-08757 (ii)

Report To:

XCG Consultants

6 Cataragui Street Woolen Mill, West Wing, Suite 105
 Kingston, ON, K7K 1Z7

Attention: Mark Dickson

Caduceon Environmental Laboratories

285 Dalton Ave
 Kingston, Ontario, K7K 6Z1
 Tel: 613-544-2001
 Fax: 613-544-2770

DATE RECEIVED: 30-Mar-09

JOB/PROJECT NO.: Richmond Landfill

DATE REPORTED: 14-Apr-09

P.O. NUMBER: 1-664-17-03

SAMPLE MATRIX: Groundwater

WATERWORKS NO.

| | | | |
|------------------------|-------------|--|--|
| Client I.D.: | MW03-06-D | | |
| Sample I.D.: | B09-08757-1 | | |
| Date Collected: | 30-Mar-09 | | |

| Parameter | Units | M.D.L. | Reference Method | Date/Site Analyzed | | | |
|---|-------|--------|------------------|--------------------|-------|--|--|
| Benzene | µg/L | 0.5 | EPA 8260 | 08-Apr-09/O | 2.5 | | |
| Bromobenzene | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Bromochloromethane | µg/L | 2 | EPA 8260 | 08-Apr-09/O | < 2 | | |
| Bromodichloromethane | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Bromoethane | µg/L | 0.8 | EPA 8260 | 08-Apr-09/O | < 0.8 | | |
| Bromoform | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Carbon Tetrachloride | µg/L | 0.2 | EPA 8260 | 08-Apr-09/O | < 0.2 | | |
| Chloroethane | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Chloroform | µg/L | 0.3 | EPA 8260 | 08-Apr-09/O | < 0.3 | | |
| Chloromethane | µg/L | 0.3 | EPA 8260 | 08-Apr-09/O | < 0.3 | | |
| Chlorotoluene,2- | µg/L | 0.2 | EPA 8260 | 08-Apr-09/O | < 0.2 | | |
| Chlorotoluene,4- | µg/L | 0.2 | EPA 8260 | 08-Apr-09/O | < 0.2 | | |
| Dibromo-3-Chloropropane, 1,2- | µg/L | 1 | EPA 8260 | 08-Apr-09/O | < 1 | | |
| Dibromochloromethane | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Dibromoethane,1,2- (Ethylene Dibromide) | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Dibromomethane | µg/L | 1 | EPA 8260 | 08-Apr-09/O | < 1 | | |
| Dichlorobenzene,1,2- | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Dichlorobenzene,1,3- | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Dichlorobenzene,1,4- | µg/L | 0.2 | EPA 8260 | 08-Apr-09/O | < 0.2 | | |
| Dichlorodifluoromethane | µg/L | 1 | EPA 8260 | 08-Apr-09/O | < 1 | | |
| Dichloroethane,1,1- | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Dichloroethane,1,2- | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Dichloroethene, 1,1- | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Dichloroethene, cis-1,2- | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Dichloroethene, trans-1,2- | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |



Michelle Dubien
 Lab Supervisor

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,P-Peterborough,M-Moncton

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| Parameter | Units | M.D.L. | Reference Method | Date/Site Analyzed | | | |
|--------------------------------------|-------|--------|------------------|--------------------|-------|--|--|
| Dichloromethane (Methylene Chloride) | µg/L | 0.3 | EPA 8260 | 08-Apr-09/O | 1.2 | | |
| Dichloropropane,1,2- | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Dichloropropane,1,3- | µg/L | 0.2 | EPA 8260 | 08-Apr-09/O | < 0.2 | | |
| Dichloropropane,2,2- | µg/L | 0.2 | EPA 8260 | 08-Apr-09/O | < 0.2 | | |
| Dichloropropene, cis-1,3- | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Dichloropropene, trans-1,3- | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Dichloropropene,1,1- | µg/L | 0.2 | EPA 8260 | 08-Apr-09/O | < 0.2 | | |
| Ethylbenzene | µg/L | 0.5 | EPA 8260 | 08-Apr-09/O | < 0.5 | | |
| Hexachlorobutadiene | µg/L | 1 | EPA 8260 | 08-Apr-09/O | < 1 | | |
| Isopropylbenzene | µg/L | 0.2 | EPA 8260 | 08-Apr-09/O | < 0.2 | | |
| Isopropyltoluene,4- | µg/L | 0.4 | EPA 8260 | 08-Apr-09/O | < 0.4 | | |
| Monochlorobenzene (Chlorobenzene) | µg/L | 0.2 | EPA 8260 | 08-Apr-09/O | < 0.2 | | |
| Naphthalene | µg/L | 0.7 | EPA 8260 | 08-Apr-09/O | < 0.7 | | |
| n-Butylbenzene | µg/L | 0.7 | EPA 8260 | 08-Apr-09/O | < 0.7 | | |
| n-Propylbenzene | µg/L | 0.4 | EPA 8260 | 08-Apr-09/O | < 0.4 | | |
| sec-Butylbenzene | µg/L | 0.5 | EPA 8260 | 08-Apr-09/O | < 0.5 | | |
| Styrene | µg/L | 0.6 | EPA 8260 | 08-Apr-09/O | < 0.6 | | |
| tert-Butylbenzene | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Tetrachloroethane,1,1,1,2- | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Tetrachloroethane,1,1,2,2- | µg/L | 0.4 | EPA 8260 | 08-Apr-09/O | < 0.4 | | |
| Tetrachloroethylene | µg/L | 0.2 | EPA 8260 | 08-Apr-09/O | < 0.2 | | |
| Toluene | µg/L | 0.5 | EPA 8260 | 08-Apr-09/O | 2.5 | | |
| Trichlorobenzene,1,2,3- | µg/L | 0.2 | EPA 8260 | 08-Apr-09/O | < 0.2 | | |
| Trichlorobenzene,1,2,4- | µg/L | 0.2 | EPA 8260 | 08-Apr-09/O | < 0.2 | | |
| Trichloroethane,1,1,1- | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Trichloroethane,1,1,2- | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |



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|-------------------------|-------|--------|------------------|--------------------|-------|--|--|
| Trichloroethylene | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Trichlorofluoromethane | µg/L | 0.1 | EPA 8260 | 08-Apr-09/O | < 0.1 | | |
| Trichloropropane,1,2,3- | µg/L | 0.2 | EPA 8260 | 08-Apr-09/O | < 0.2 | | |
| Trimethylbenzene,1,2,4- | µg/L | 2 | EPA 8260 | 08-Apr-09/O | < 2 | | |
| Trimethylbenzene,1,3,5- | µg/L | 0.6 | EPA 8260 | 08-Apr-09/O | < 0.6 | | |
| Vinyl Chloride | µg/L | 0.2 | EPA 8260 | 08-Apr-09/O | 0.2 | | |
| Xylene, m,p- | µg/L | 1.0 | EPA 8260 | 08-Apr-09/O | < 1.0 | | |
| Xylene, o- | µg/L | 0.5 | EPA 8260 | 08-Apr-09/O | 0.6 | | |



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