



ANALYTICAL REPORT

Date: 02/18/04 Report #: 615534 Laboratory ID #: 00417

Client: SINGHAS & MICHAEL CORP  
 425 JACK ENDERS BLVD  
 BERRYVILLE, VA 22611-  
 Date Collected: 02/04/04  
 Time Collected: 16:30  
 SOURCE: WELL WATER/ E09  
 SANDLER AT BEACON HILL (JACKSON)  
 1495 CHAIN BRIDGE RD #300  
 MCLEAN, VA 22101  
 TM: 38/24/9EQ  
 ID: 130227130001  
 PIN: 269289094000  
 Date received at Lab: 02/06/04  
 Time received at Lab: 10:35

NOTE: "\*" The MCL (Maximum Contaminant Level) or an established guideline has been exceeded for this contaminant.  
 \*\*\* Bacteria results may be invalid due to lack of collection information or because the sample has exceeded the 30-hour holding time.  
 "ND" This contaminant was not detected at or above our lower reporting limit (LRL).  
 "NBS" No bacteria submitted.  
 "P" = PRESENCE  
 "A" = ABSENCE  
 "EA" = E. COLI ABSENCE  
 "NA" = NOT ANALYZED

Analysis Performed  
 MCL | LRL | Level |  
 (mg/l) | | Detected

Total coliform P P NBS

Inorganic chemicals - metals:

Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.010	ND
Copper	1.3	0.004	0.005
Iron	0.3	0.020	6.9*
Lead	0.015	0.002	ND
Manganese	0.05	0.004	0.22*
Mercury	0.002	0.001	ND
Nickel	---	0.02	ND
Selenium	0.05	0.020	ND
Silver	0.1	0.002	ND
Sodium	---	1	9
Zinc	5	0.004	ND

Analysis performed			
	MCL	LRL	Level
	1 (mg/l)   1 Detected		
-----			
Inorganic chemicals - other, and physical factors:			
-----			
Alkalinity (Total as CaCO3)	---	20	180
Chloride	250	5.0	14
Fluoride	4	0.5	ND
Nitrate as N	10	0.5	ND
Nitrite as N	1	0.5	ND
Sulfate	250	5.0	29
Hardness (as CaCO3)	---	10	190
pH (Standard Units)	6.5-8.5	---	7.8
Total Dissolved Solids	500	20	230
Turbidity (Turbidity Units)	1.0	0.1	53*
Corrosivity	---	---	0.31
Foaming Agents	0.5	---	ND
-----			
Organic chemicals - trihalomethanes:			
-----			
Bromoform	---	0.004	ND
Bromodichloromethane	---	0.002	ND
Chloroform	---	0.002	ND
Dibromochloromethane	---	0.004	ND
Total THMs	0.080	0.002	ND

ANALYTICAL REPORT



Sample Code	Level	MCL	LRL	Analysis performed
ND	0.005	0.002	0.001	Benzene
ND	0.002	0.002	0.001	Vinyl Chloride
ND	0.005	0.005	0.001	Carbon Tetrachloride
ND	0.005	0.005	0.001	1,2-Dichloroethane
ND	0.005	0.005	0.001	Trichloroethene (TCE)
ND	0.075	0.001	0.001	1,4-Dichlorobenzene
ND	0.007	0.001	0.001	1,1-Dichloroethene
ND	0.2	0.001	0.001	1,1,1,-Trichloroethane
ND	---	0.002	0.002	Bromobenzene
ND	---	0.002	0.001	Bromomethane
ND	0.1	0.001	0.001	Chlorobenzene
ND	---	0.002	0.002	Chloroethane
ND	---	0.002	0.002	Chloromethane
ND	---	0.001	0.001	2-Chlorotoluene
ND	---	0.001	0.001	4-Chlorotoluene
ND	---	0.001	0.001	Dibromomethane
ND	---	0.002	0.002	1,2-Dichlorobenzene
ND	0.6	0.001	0.001	1,3-Dichlorobenzene
ND	0.6	0.001	0.001	1,3-Dichlorobenzene
ND	---	0.002	0.002	Dichlorodifluoromethane
ND	---	0.002	0.002	1,1-Dichloroethane
ND	0.1	0.002	0.002	Trans-1,2-Dichloroethene
ND	0.07	0.002	0.002	cis-1,2-Dichloroethene
ND	0.005	0.002	0.002	Dichloromethane
ND	0.005	0.002	0.002	1,2-Dichloropropane
ND	---	0.002	0.002	trans-1,3-Dichloropropane
ND	---	0.002	0.002	cis-1,3-Dichloropropane
ND	---	0.002	0.002	2,2-Dichloropropane
ND	---	0.002	0.002	1,1-Dichloropropane
ND	---	0.002	0.002	1,3-Dichloropropane
ND	0.7	0.001	0.001	Ethylbenzene
ND	---	0.001	0.001	Ethylendibromide (EDB)
ND	0.1	0.001	0.001	Styrene

Organic chemicals - volatiles:

Analysis performed | MCL | LRL | Level | Detected | (mg/l) |

ANALYTICAL REPORT





Analysis performed | MCL | LRL | Level | Detected |  
 (mg/L) |

ND	0.002	---	1,1,1,2-Tetrachloroethane
ND	0.002	---	1,1,2-Tetrachloroethane
ND	0.002	0.005	Tetrachloroethene (PCE)
ND	0.002	0.07	1,2,4-Trichlorobenzene
ND	0.002	---	1,2,3-Trichlorobenzene
ND	0.002	0.005	1,1,2-Trichloroethane
ND	0.002	---	1,1,1-Trichloroethane
ND	0.002	---	1,2,3-Trichloropropane
ND	0.001	1	Toluene
ND	0.001	10	Xylene
ND	0.004	---	Methyl-Tert-Butyl-Ether

Organic chemicals - pesticides, herbicides and PCBs

ND	0.001	0.002	Alachlor
ND	0.002	0.003	Atrazine
ND	0.001	0.002	Chlordane
ND	0.002	---	Aldrin
ND	0.002	---	Dichloran
ND	0.001	---	Dieldrin
ND	0.001	0.002	Endrin
ND	0.004	0.004	Heptachlor
ND	0.001	0.002	Heptachlor Epoxide
ND	0.005	0.001	Hexachlorobenzene
ND	0.001	0.05	Hexachlorocyclopentadiene
ND	0.002	0.002	Lindane
ND	0.002	0.04	Methoxychlor
ND	0.005	0.0005	PCBs
ND	0.002	---	Pentachloronitrobenzene
ND	0.005	0.05	Silvex (2,4,5-TP)
ND	0.002	0.004	Simazine
ND	0.001	0.003	Toxaphene
ND	0.002	---	Trifluralin
ND	0.010	0.07	2,4-D

THESE TEST RESULTS MAY BE USED FOR COMPLIANCE PURPOSES IN LOUDOUN COUNTY, VIRGINIA.

*James C. Bahen*

James C. Bahen, Lab Director