



City of Rochester

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Department of  
Environmental Services

Office of the Commissioner  
Division of Environmental Quality  
30 Church Street, Rm 300B  
Rochester, New York 14614-1278  
Tel#: (716) 428-6011

September 22, 1999

Todd M. Caffoe, P.E.  
Environmental Engineer II - Division Environmental Remediation  
New York State Department of Environmental Conservation  
6274 East Avon-Lima Road  
Avon, New York 14414-9519

RECEIVED

SEP 24 1999

DER/HAZ. WASTE REMED  
REGION 8

Re: Quarterly Monitoring Report - Court Street Garage Soil Vapor Extraction System  
Rochester, New York

Dear Mr. Caffoe:

Please find in the enclosed an amended "Contaminant Removal Rate" table for the above referenced site. A mathematical error was discovered in the calculation formulas within the table and has been corrected. Future submittals will reflect the corrected values for estimated contaminant removal rates.

If you have any questions or comments regarding this data package, please call me at 428-7892.

Sincerely,  
Division of Environmental Quality

Jane MH Forbes  
Environmental Technician

c: Mark Gregor, City of Rochester (w/o enclosures)  
Joseph Albert, MCDOH  
Dave Napier, NYSDOH

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EEO Employer/Handicapped



City of Rochester

Department of Environmental Quality

Court Street Garage SVE Effluent Contaminant Removal Rates

Sample Period

05/27/99-08/17/99

Contaminant	Effluent Concentration mg/m3	Specific Gravity	Weight #s/ gallon	Period Emissions Rate(lb/hr)	Contaminant Volume Removed This Period (gals)	Total Contaminants Removed to Date (Gallons)
Chloromethane		0.991	8.253	0.000E+00	0.0000	0.00007
Vinyl Chloride		0.908	7.562	0.000E+00	0.0000	0.00019
Chloroethane		0.903	7.520	0.000E+00	0.0000	0.00031
Bromomethane		1.730	14.407	0.000E+00	0.0000	0.00000
Acetone	0.0260	0.791	6.587	7.215E-06	0.0022	0.01256
Trichlorofluoromethane		1.494	12.442	0.000E+00	0.0000	0.00084
1,1-Dichloroethene		1.250	10.410	0.000E+00	0.0000	0.00000
Methylene Chloride		1.366	11.376	0.000E+00	0.0000	0.00042
Carbon Disulfide	0.0270	1.263	10.518	7.493E-06	0.0014	0.00559
Trichlorotrifluoroethane		1.560	12.992	0.000E+00	0.0000	0.00027
trans-1,2-Dichloroethene		1.270	10.577	0.000E+00	0.0000	0.00025
cis-1,2-Dichloroethane	0.0260	1.270	10.577	7.215E-06	0.0014	0.04389
1,1-Dichloroethane		1.176	9.794	0.000E+00	0.0000	0.00000
MTBE		0.731	6.088	0.000E+00	0.0000	0.00277
Vinyl Acetate		0.932	7.762	0.000E+00	0.0000	0.00000
2-Butanone		0.805	6.704	0.000E+00	0.0000	0.00351
Chloroform	0.0210	1.490	12.409	5.828E-06	0.0009	0.00648
1,2-Dichloroethane		1.253	10.435	0.000E+00	0.0000	0.00000
1,1,1-Trichloroethane		1.346	11.209	0.000E+00	0.0000	0.00125
Benzene		0.879	7.318	0.000E+00	0.0000	0.00040
Carbon Tetrachloride	0.0380	1.594	13.275	1.055E-05	0.0016	0.04538
1,2-Dichloropropane		1.160	9.660	0.000E+00	0.0000	0.00000
Bromodichloromethane		2.006	16.706	0.000E+00	0.0000	0.00000
Trichloroethene	0.0120	1.466	12.209	3.330E-06	0.0005	0.00432
cis-1,3-Dichloropropene		1.200	9.994	0.000E+00	0.0000	0.00000
4-Methyl-2-pentanone		0.802	6.677	0.000E+00	0.0000	0.00144
trans-1,3-Dichloropropene		1.200	9.994	0.000E+00	0.0000	0.00000
1,1,2-Trichloroethane		1.441	12.001	0.000E+00	0.0000	0.00000
Toluene	0.0190	0.866	7.212	5.273E-06	0.0015	0.00585
Dibromochloromethane		2.380	19.821	0.000E+00	0.0000	0.00000
2-Hexanone		0.815	6.787	0.000E+00	0.0000	0.00104
1,2-Dibromoethane		2.701	22.494	0.000E+00	0.0000	0.00000
Tetrachloroethene	1.3000	1.631	13.583	3.608E-04	0.0529	0.34547
Chlorobenzene		1.106	9.211	0.000E+00	0.0000	0.00000
Ethylbenzene	0.0130	0.867	7.220	3.608E-06	0.0010	0.00409
Bromoform		2.903	24.176	0.000E+00	0.0000	0.00000
Styrene		0.905	7.533	0.000E+00	0.0000	0.00013
m-&p-Xylene	0.0390	0.864	7.195	1.082E-05	0.0030	0.02001
o-Xylene	0.0480	0.880	7.329	1.332E-05	0.0036	0.01975
1,1,2,2-Tetrachloroethane		1.600	13.325	0.000E+00	0.0000	0.00000
1,3-Dichlorobenzene		1.288	10.726	0.000E+00	0.0000	0.00012
1,4-Dichlorobenzene		1.458	12.142	0.000E+00	0.0000	0.00005
1,2-Dichlorobenzene		1.305	10.868	0.000E+00	0.0000	0.00053
Naphthalene	0.0160	1.145	9.536	4.440E-06	0.0009	0.00335
					<b>Total (gallons)</b>	<b>0.53031</b>