



City of Rochester

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REGION 8

FAX (716) 428-6010  
TDD/Voice 232-3260

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

July 15, 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

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

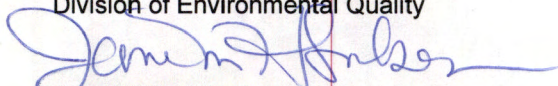
Dear Mr. Caffoe:

Enclosed is the soil vapor extraction system (SVES) air monitoring and sampling data regarding the last two (2) quarterly sampling events (February 1999 and May 1999) at the above-referenced property (Site). Marcor Remediation, Inc. (Marcor) measured SVES vacuum and vapor effluent concentrations for each individual cell (i.e., loop) and the complete SVES.

In accordance with the approved SVES Operation and Maintenance Plan, air samples of the SVES air effluent were collected on February 23 and May 26, 1999. The samples were analyzed for volatile organic compounds (VOCs) via NIOSH method T-014. According to the analytical results, a total of twenty-six (26) VOCs were detected from the February 23, 1999 sample and nine (9) VOCs from the May 26, 1999 sample. In each sampling event tetrachloroethene (i.e., perchloroethylene or PCE) was detected at the highest concentrations (110 ug/m<sup>3</sup> and 600 ug/m<sup>3</sup> respectively). Table 2a summarizes the concentrations of each VOC detected, and also presents the calculated annual emission rate, and the calculated maximum annual and maximum short-term impact for each VOC detected. As illustrated in Table 2a, each VOC was detected at a concentration below its respective Air Guide-1 Short-term Guidance Concentration (SGC) and Annual Guidance Concentration (AGC). No AGC or SGC Guidance levels were available for comparison for 2-Hexanone which was detected in the February 23, 1999 effluent air at a concentration of 11.0 ug/m<sup>3</sup>. The enclosed graph illustrates the concentration of PCE and total VOCs detected since start-up of the SVES in 1996. As the graph illustrates, the concentration of contaminants detected in the SVES air effluent samples continues to vary.

Quarterly monitoring and sampling will continue at this Site. If you have any questions or comments regarding this monitoring report, 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

EEO Employer/Handicapped



**TABLE 2a, Court Street Garage Soil Vent System 94 Air Guide-1 Permit Comparisons**

Today's Date:

07/15/99

Sample Date:

02/23/99

Sampled by:

Marcor Remediation, Inc.

Detected Contaminant	Effluent Air Concentration mg/m3	Air Flow cfm	Emissions lb/hr	Annual Emissions lb/yr	Stack Height (ft)	Max. Act. Annual Impact Ca ug/m3	Max.Pot. Annual Impact Cp ug/m3	Max. Short-Term Impact Cst ug/m3	AGC ug/m3	SGC ug/m3
Acetone	0.042	75	1.1799E-05	1.0336E-01	81.78	3.08E-05	3.08E-05	2.00E-03	1.40E+04	1.40E+05
Benzene	0.0011	75	3.0901E-07	2.7069E-03	81.78	8.08E-07	8.07E-07	5.24E-05	1.20E-01	3.00E+01
2-Butanone (MEK)	0.022	75	6.1802E-06	5.4139E-02	81.78	1.62E-05	1.61E-05	1.05E-03	3.00E+02	1.40E+05
Carbon Disulfide	0.0017	75	4.7756E-07	4.1834E-03	81.78	1.25E-06	1.25E-06	8.10E-05	7.00E+00	7.10E+02
Carbon Tetrachloride	0.002	75	5.3375E-07	4.6756E-03	81.78	1.39E-06	1.39E-06	9.06E-05	7.00E-02	1.30E+03
Chloroform	0.0025	75	7.0230E-07	6.1521E-03	81.78	1.84E-06	1.83E-06	1.19E-04	2.30E+01	9.80E+02
cis-1,2-Dichloroethene	0.044	75	1.2360E-05	1.0828E-01	81.78	3.23E-05	3.23E-05	2.10E-03	1.90E+03	1.90E+05
trans-1,2-Dichloroethene	0.00087	75	2.4440E-07	2.1409E-03	81.78	6.39E-07	6.38E-07	4.15E-05	3.60E+02	---
1,2-Dichlorobenzene	0.0009	75	2.5283E-07	2.2148E-03	81.78	6.61E-07	6.60E-07	4.29E-05	2.00E+02	3.00E+04
1,3-Dichlorobenzene	0.002	75	5.6184E-07	4.9217E-03	81.78	1.47E-06	1.47E-06	9.53E-05	2.00E+02	3.00E+04
1,4-Dichlorobenzene	0.001	75	2.8092E-07	2.4608E-03	81.78	7.34E-07	7.33E-07	4.77E-05	2.00E+02	3.00E+04
Ethylbenzene	0.0016	75	4.4947E-07	3.9374E-03	81.78	1.17E-06	1.17E-06	7.63E-05	1.00E+03	1.00E+05
2-Hexanone	0.011	75	3.0901E-06	2.7069E-02	81.78	8.08E-06	8.07E-06	5.24E-04	#	#
Methyl Tert-Butyl Ether (MTBE)	0.024	75	6.7420E-06	5.9060E-02	81.78	1.76E-05	1.76E-05	1.14E-03	4.00E+00	---
4-Methyl-2-pentanone (MIBK)	0.015	75	4.2138E-06	3.6913E-02	81.78	1.10E-05	1.10E-05	7.15E-04	4.80E+02	4.80E+04
Naphthalene	0.0016	75	4.4947E-07	3.9374E-03	81.78	1.17E-06	1.17E-06	7.63E-05	1.20E+02	1.20E+04
Styrene	0.0015	75	4.2138E-07	3.6913E-03	81.78	1.10E-06	1.10E-06	7.15E-05	5.10E+02	5.10E+04
Tetrachloroethene	0.110	75	3.0901E-05	2.7069E-01	81.78	8.08E-05	8.07E-05	5.24E-03	7.50E-02	8.10E+04
Toluene	0.0063	75	1.7698E-06	1.5503E-02	81.78	4.63E-06	4.62E-06	3.00E-04	2.00E+03	8.90E+04
Trichlorotrifluoroethane	0.0008	75	2.2473E-07	1.9687E-03	81.78	5.87E-07	5.87E-07	3.81E-05	9.00E+04	1.80E+06
Trichlorofluoromethane	0.0019	75	5.3375E-07	4.6756E-03	81.78	1.39E-06	1.39E-06	9.06E-05	7.00E+02	5.60E+05
Trichloroethene	0.012	75	3.3710E-06	2.9530E-02	81.78	8.81E-06	8.80E-06	5.72E-04	4.50E-01	3.30E+04
1,1,1-Trichloroethane	0.00085	75	2.3878E-07	2.0917E-03	81.78	6.24E-07	6.23E-07	4.05E-05	1.00E+03	4.50E+05
Vinyl Chloride	0.00094	75	2.6406E-07	2.3132E-03	81.78	6.90E-07	6.89E-07	4.48E-05	2.00E-02	1.30E+03
m,p-Xylene	0.0098	75	2.7530E-06	2.4116E-02	81.78	7.19E-06	7.19E-06	4.67E-04	3.00E+02	1.00E+05
o-Xylene	0.0045	75	1.2641E-06	1.1074E-02	81.78	3.30E-06	3.30E-06	2.14E-04	7.00E+02	1.00E+05

1 - No AGC or SGC Guidelines available for comparison.

**TABLE 2a, Court Street Garage Soil Vent System 94 Air Guide-1 Permit Comparisons**

Today's Date:

07/14/99

Sample Date:

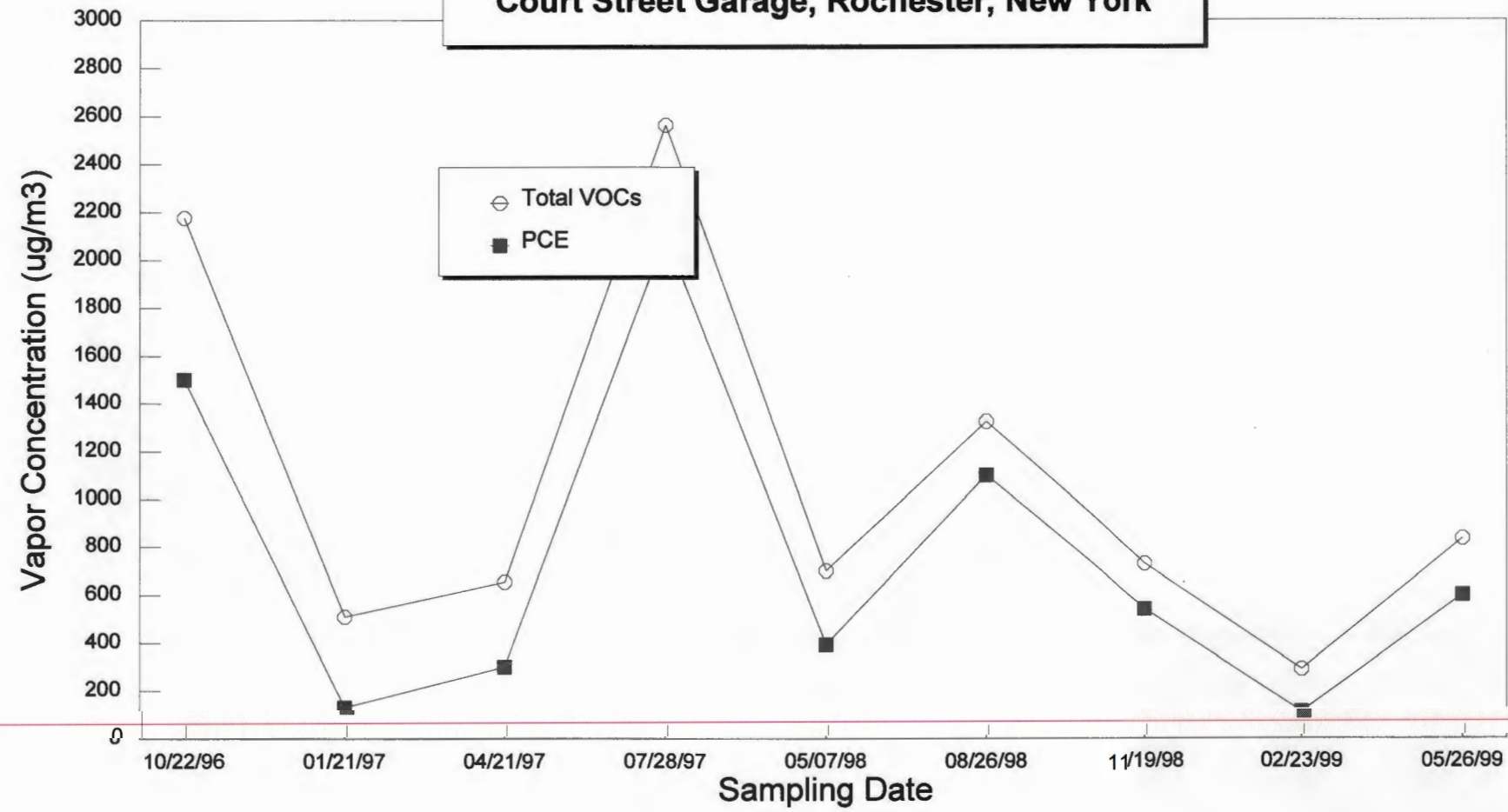
05/26/99

Sampled by:

Marcor Remediation, Inc.

Detected Contaminant	Effluent Air Concentration mg/m3	Air Flow cfm	Emissions lb/hr	Annual Emissions lb/yr	Stack Height (ft)	Max. Act. Annual Impact Ca ug/m3	Max.Pot. Annual Impact Cp ug/m3	Max. Short-Term Impact Cst ug/m3	AGC ug/m3	SGC ug/m3
Acetone	0.0041	75	1.1518E-06	1.0089E-02	81.78	3.01E-06	3.01E-06	1.95E-04	1.40E+04	1.40E+05
Carbon Disulfide	0.017	75	4.7756E-06	4.1834E-02	81.78	1.25E-05	1.25E-05	8.10E-04	7.00E+00	7.10E+02
Carbon Tetrachloride	0.036	75	1.0113E-05	8.8590E-02	81.78	2.64E-05	2.64E-05	1.72E-03	7.00E-02	1.30E+03
Chloroform	0.0072	75	2.0226E-06	1.7718E-02	81.78	5.29E-06	5.28E-06	3.43E-04	2.30E+01	9.80E+02
cis-1,2-Dichloroethene	0.11	75	3.0901E-05	2.7069E-01	81.78	8.08E-05	8.07E-05	5.24E-03	1.90E+03	1.90E+05
Tetrachloroethene	0.600	75	1.6855E-04	1.4765E+00	81.78	4.40E-04	4.40E-04	2.86E-02	7.50E-02	8.10E+04
Trichloroethene	0.052	75	1.4608E-05	1.2796E-01	81.78	3.82E-05	3.81E-05	2.48E-03	4.50E-01	3.30E+04
m,p-Xylene	0.0043	75	1.2079E-06	1.0582E-02	81.78	3.16E-06	3.15E-06	2.05E-04	3.00E+02	1.00E+05
o-Xylene	0.0039	75	1.0956E-06	9.5973E-03	81.78	2.86E-06	2.86E-06	1.86E-04	7.00E+02	1.00E+05

### SVES Effluent Sampling Results Court Street Garage, Rochester, New York



**PARADIGM  
Environmental  
Services, Inc.**

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

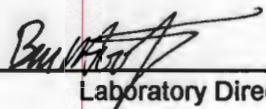
**Client:** Marcor Remediation  
**Client Job Site:** COR - Court St. Garage  
Rochester, New York  
**Client Job No.:** R000950034  
**Field Location:** VES Effluent  
**Field ID No.:** SE9-0127

**Lab Project No.:** 99-0359  
**Lab Sample No.:** 2121  
**Sample Type:** Summa Canister  
**Date Sampled:** 2/23/99  
**Date Received:** 2/23/99

Compound	Result ug/m3	Reporting Limit ug/m3	Result ppb	Reporting Limit ppb
Chloromethane	ND	1.0	ND	0.49
Vinyl Chloride	0.94 TR	1.0	0.37 TR	0.39
Chloroethane	ND	1.0	ND	0.38
Bromomethane	ND	1.0	ND	0.26
Acetone	42	1.0	18	0.42
Trichlorofluoromethane	1.9	1.0	0.34	0.18
1,1-Dichloroethene	ND	1.0	ND	0.25
Methylene Chloride	ND	1.0	ND	0.29
Carbon Disulfide	1.7	1.0	0.54	0.32
Trichlorotrifluoroethane	0.80 TR	1.0	0.10 TR	0.13
trans-1,2-Dichloroethene	0.87 TR	1.0	0.22 TR	0.25
cis-1,2-Dichloroethene	44	1.0	11	0.25
1,1-Dichloroethane	ND	1.0	ND	0.25
Methyl tert-Butyl Ether	2.4	1.0	0.66	0.28
Vinyl Acetate	ND	1.0	ND	0.28
2-Butanone	22	1.0	7.5	0.34
Chloroform	2.5	1.0	0.51	0.21
1,2-Dichloroethane	ND	1.0	ND	0.25
1,1,1-Trichloroethane	0.85 TR	1.0	0.16 TR	0.19
Benzene	1.1	1.0	0.33	0.31
Carbon Tetrachloride	1.9	1.0	0.31	0.16
1,2-Dichloropropane	ND	1.0	ND	0.22
Bromodichloromethane	ND	1.0	ND	0.15
Trichloroethene	12	1.0	2.3	0.19
cis-1,3-Dichloropropene	ND	1.0	ND	0.22
4-Methyl-2-pentanone	15	1.0	3.8	0.24

ELAP ID No.:11221

Comments: TR = Detected Below Indicated Reporting Limit  
ND = Not Detected  
Date Analyzed: 3/1/99

Approved By:   
Laboratory Director

File ID: TO1499-0359-2121

**PARADIGM  
Environmental  
Services, Inc.**

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

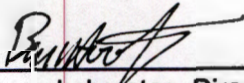
**Client:** Marcor Remediation  
**Client Job Site:** COR - Court St. Garage  
Rochester, New York  
**Client Job No.:** R000950034  
**Field Location:** VES Effluent  
**Field ID No.:** SE9-0127

**Lab Project No.:** 99-0359  
**Lab Sample No.:** 2121  
**Sample Type:** Summa Canister  
**Date Sampled:** 2/23/99  
**Date Received:** 2/23/99

Compound	Result ug/m3	Reporting Limit ug/m3	Result ppb	Reporting Limit ppb
trans-1,3-Dichlorpropene	ND	1.0	ND	0.22
1,1,2-Trichloroethane	ND	1.0	ND	0.19
<b>Toluene</b>	<b>6.3</b>	<b>1.0</b>	<b>1.7</b>	<b>0.27</b>
Dibromochloromethane	ND	1.0	ND	0.12
2-Hexanone	11	1.0	2.6	0.24
1,2-Dibromoethane	ND	1.0	ND	0.13
<b>Tetrachloroethene</b>	<b>110</b>	<b>1.0</b>	<b>17</b>	<b>0.15</b>
Chlorobenzene	ND	1.0	ND	0.22
<b>Ethylbenzene</b>	<b>1.6</b>	<b>1.0</b>	<b>0.38</b>	<b>0.23</b>
Bromoform	ND	1.0	ND	0.10
Styrene	1.5	1.0	0.36	0.24
<b>m-&amp;p-Xylenes</b>	<b>9.8</b>	<b>1.0</b>	<b>2.3</b>	<b>0.23</b>
<b>o-Xylene</b>	<b>4.5</b>	<b>1.0</b>	<b>1.0</b>	<b>0.23</b>
1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
1,3-Dichlorobenzene	0.90 TR	1.0	0.15 TR	0.17
1,4-Dichlorobenzene	2.0	1.0	0.33	0.17
1,2-Dichlorobenzene	1.0	1.0	0.17	0.17
Naphthalene	16	1.0	3.1	0.19

ELAP ID No.:11221

Comments: TR = Detected Below Indicated Reporting Limit  
ND = Not Detected  
Date Analyzed: 3/1/99

Approved By:   
Laboratory Director

File ID: TO1499-0359-2121

**PARADIGM  
Environmental  
Services, Inc.**

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: **Marcor Remediation**

Lab Project No.: 99-0359

Lab Sample No.: Method Blank

Client Job Site: N/A

Sample Type: Summa Canister

Client Job No.: N/A

Date Sampled: N/A

Field Location: N/A

Date Received: N/A

Field ID No.: N/A

Compound	Result ug/m3	Reporting Limit ug/m3	Result ppb	Reporting Limit ppb
Chloromethane	ND	1.0	ND	0.49
Vinyl Chloride	ND	1.0	ND	0.39
Chloroethane	ND	1.0	ND	0.38
Bromomethane	ND	1.0	ND	0.26
Acetone	ND	1.0	ND	0.42
Trichlorofluoromethane	ND	1.0	ND	0.18
1,1-Dichloroethene	ND	1.0	ND	0.25
Methylene Chloride	ND	1.0	ND	0.29
Carbon Disulfide	ND	1.0	ND	0.32
Trichlorotrifluoroethane	ND	1.0	ND	0.13
trans-1,2-Dichloroethene	ND	1.0	ND	0.25
cis-1,2-Dichloroethene	ND	1.0	ND	0.25
1,1-Dichloroethane	ND	1.0	ND	0.25
Methyl tert-Butyl Ether	ND	1.0	ND	0.28
Vinyl Acetate	ND	1.0	ND	0.28
2-Butanone	ND	1.0	ND	0.34
Chloroform	ND	1.0	ND	0.21
1,2-Dichloroethane	ND	1.0	ND	0.25
1,1,1-Trichloroethane	ND	1.0	ND	0.19
Benzene	ND	1.0	ND	0.31
Carbon Tetrachloride	ND	1.0	ND	0.16
1,2-Dichloropropane	ND	1.0	ND	0.22
Bromodichloromethane	ND	1.0	ND	0.15
Trichloroethene	ND	1.0	ND	0.19
cis-1,3-Dichloropropene	ND	1.0	ND	0.22
4-Methyl-2-pentanone	ND	1.0	ND	0.24

ELAP ID No.:11221

Comments: TIR = Detected Below Indicated Reporting Limit

NID = Not Detected

Date Analyzed: 3/1/99

Approved By: \_\_\_\_\_



Laboratory Director

File ID: TO14-99-0359BIK

**PARADIGM  
Environmental  
Services, Inc.**

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

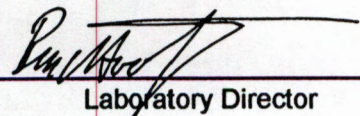
**Client:** Marcor Remediation  
**Client Job Site:** N/A  
**Client Job No.:** N/A  
**Field Location:** N/A  
**Field ID No.:** N/A

**Lab Project No.:** 99-0359  
**Lab Sample No.:** Method Blank  
**Sample Type:** Summa Canister  
**Date Sampled:** N/A  
**Date Received:** N/A

Compound	Result ug/m3	Reporting Limit ug/m3	Result ppb	Reporting Limit ppb
trans-1,3-Dichloropropene	ND	1.0	ND	0.22
1,1,2-Trichloroethane	ND	1.0	ND	0.19
Toluene	ND	1.0	ND	0.27
Dibromochloromethane	ND	1.0	ND	0.12
2-Hexanone	ND	1.0	ND	0.24
1,2-Dibromoethane	ND	1.0	ND	0.13
Tetrachloroethene	ND	1.0	ND	0.15
Chlorobenzene	ND	1.0	ND	0.22
Ethylbenzene	ND	1.0	ND	0.23
Bromoform	ND	1.0	ND	0.10
Styrene	ND	1.0	ND	0.24
m-&p-Xylenes	ND	1.0	ND	0.23
o-Xylene	ND	1.0	ND	0.23
1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
1,3-Dichlorobenzene	ND	1.0	ND	0.17
1,4-Dichlorobenzene	ND	1.0	ND	0.17
1,2-Dichlorobenzene	ND	1.0	ND	0.17
Naphthalene	ND	1.0	ND	0.19

ELAP ID No.:11221

Comments: TR = Detected Below Indicated Reporting Limit  
ND = Not Detected  
Date Analyzed: 3/1/99

Approved By:   
Laboratory Director

File ID: TO14-99-0359BLK



# PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue  
 Rochester, NY 14608  
 (716) 647-2530 • (800) 724-1997  
 FAX (716) 647-3311

## CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT #
COMPANY	Marcor Remediation, Inc.	COMPANY	Same	99-0359
ADDRESS	52 Macway Circle	ADDRESS		
CITY	Rochester	CITY		P.O. #
STATE	NY	STATE		
ZIP	14624	ZIP		
ATT.	Day Stamp	ATT.		
PHONE#	247-6955	PHONE#		
FAX#	247-6852	FAX#		<input type="checkbox"/> ADDENDUM
PROJECT NAME/SITE NAME: COR- 911 Building				
PROJECT #: R000889001				
R000950034				
COMMENTS:				
TURN AROUND TIME (WORKING DAYS) <input type="checkbox"/> ONE <input type="checkbox"/> THREE <input checked="" type="checkbox"/> FIVE (STD) <input type="checkbox"/> OTHER _____				
REPRESENTATIVE:				

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAINER NUMBER	REQUESTED ANALYSIS										REMARKS	PARADIGM LAB SAMPLE NUMBER	ANALYTICAL COSTS
							1	2	3	4	5	6	7	8	9	10			
2-23-99	1:30 pm	X		COR- 911 VESEFF	Air	1	X											SE9-0126	2120
	9:30 AM	X		COR- Court St. Gar EFF	Air	1	X											SE9-0127	2121
	1:15 pm	X		COR- 911 MW3	H2O	2	X											SE9-0128	2122
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME	SAMPLE CONDITION	CHECK #	TOTAL COST
R. B. Weger	2:35 pm	[Signature]	2/23/99	16:35		
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME	CARRIER COMPANY	AIR BILL NO.	P.I.F
RELINQUISHED BY:	DATE/TIME	RECEIVED @ LAB BY:	DATE/TIME	CARRIER PHONE #	DATE RESULTS REPORTED BY:	DATE/TIME
		[Signature]	2-23-99	1605		

WHITE COPY-SAMPLE YELLOW COPY-FILE PINK COPY-RELINQUISHER

**PARADIGM  
Environmental  
Services, Inc.**

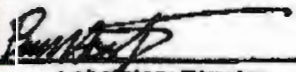
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Client: **Marcor Remediation** Lab Project No.: 99-1002  
 Client Job Site: **COR- Court Street Garage** Lab Sample No.: 4019  
 Client Job No.: **R000950034** Rochester, New York Sample Type: Summa Canister  
 Field Location: **VES Effluent** Date Sampled: 05/28/1999  
 Field ID No.: **SE9-0345** Date Received: 05/28/1999

Compound	Result ug/m3	Reporting Limit ug/m3	Result ppb	Reporting Limit ppb
Chloromethane	ND	5.0	ND	2.4
Vinyl Chloride	ND	5.0	ND	2.0
Chloroethane	ND	5.0	ND	1.8
Bromomethane	ND	5.0	ND	1.3
Acetone	4.1 TR	5.0	1.8 TR	2.1
Trichlorofluoromethane	ND	5.0	ND	0.88
1,1-Dichloroethene	ND	5.0	ND	1.3
Methylene Chloride	ND	5.0	ND	1.4
Carbon Disulfide	17	5.0	5.5	1.6
Trichlorotrifluoroethene	ND	5.0	ND	0.85
trans-1,2-Dichloroethene	ND	5.0	ND	1.3
cis-1,2-Dichloroethene	110	5.0	28	1.3
1,1-Dichloroethane	ND	5.0	ND	1.2
Methyl tert-Butyl Ether	ND	5.0	ND	1.4
Vinyl Acetate	ND	5.0	ND	1.4
2-Butanone	ND	5.0	ND	1.7
Chloroform	7.2	5.0	1.5	1.0
1,2-Dichloroethane	ND	5.0	ND	1.2
1,1,1-Trichloroethene	ND	5.0	ND	0.92
Benzene	ND	5.0	ND	1.6
Carbon Tetrachloride	36	5.0	5.7	0.80
1,2-Dichloropropane	ND	5.0	ND	1.1
Bromodichloromethane	ND	5.0	ND	0.8
Trichloroethene	52	5.0	9.7	0.98
cis-1,3-Dichloropropene	ND	5.0	ND	1.1
4-Methyl-2-pentanone	ND	5.0	ND	1.2

ELAP ID No.:11221

Comments: TR = Detected Below Indicated Reporting Limit  
 ND = Not Detected  
 Date Analyzed: 6/4/99

Approved By:   
 Laboratory Director

File ID: TO14-99-1002-4019



**PARADIGM**  
**Environmental**  
**Services, Inc.**

179 Lake Avenue Rochester, New York 14608 716-847-2630 FAX 716-847-3311

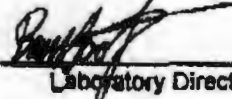
Client: **Marcor Remediation**  
Client Job Site: **N/A**  
Client Job No.: **N/A**  
Field Location: **N/A**  
Field ID No.: **N/A**

Lab Project No.: **09-1001**  
Lab Sample No.: **Method Blank**  
Sample Type: **Summa Canister**  
Date Sampled: **N/A**  
Date Received: **N/A**

Compound	Result ug/m3	Reporting Limit ug/m3	Result ppb	Reporting Limit ppb
Chloromethane	ND	1.0	ND	0.48
Vinyl Chloride	ND	1.0	ND	0.38
Chloroethane	ND	1.0	ND	0.38
Bromomethane	ND	1.0	ND	0.28
Acetone	ND	1.0	ND	0.42
Trichlorofluoromethane	ND	1.0	ND	0.18
1,1-Dichloroethane	ND	1.0	ND	0.25
Methylene Chloride	ND	1.0	ND	0.29
Carbon Disulfide	ND	1.0	ND	0.32
Trichlorotrifluoroethane	ND	1.0	ND	0.13
trans-1,2-Dichloroethane	ND	1.0	ND	0.25
cis-1,2-Dichloroethane	ND	1.0	ND	0.25
1,1-Dichloroethane	ND	1.0	ND	0.25
Methyl tert-Butyl ether	ND	1.0	ND	0.28
Vinyl Acetate	ND	1.0	ND	0.28
2-Butanone	ND	1.0	ND	0.34
Chloroform	ND	1.0	ND	0.21
1,2-Dichloroethane	ND	1.0	ND	0.25
1,1,1-Trichloroethane	ND	1.0	ND	0.19
Benzene	ND	1.0	ND	0.31
Carbon Tetrachloride	ND	1.0	ND	0.16
1,2-Dichloropropane	ND	1.0	ND	0.22
Bromodichloromethane	ND	1.0	ND	0.15
Trichloroethene	ND	1.0	ND	0.18
cis-1,3-Dichloropropene	ND	1.0	ND	0.22
4-Methyl-2-pentanone	ND	1.0	ND	0.24

ELAP ID No.:11221

Comments: TR = Detected Below Indicated Reporting Limit  
ND = Not Detected  
Date analyzed: 8/4/99

Approved By:   
Laboratory Director

File ID: TO14-99-10C1BLK





SVE Operation and Maintenance Log  
 City of Rochester - Court St. Garage  
 Marcor Job Number RO-00950-034

Date: 2/23/99

- Vacuum (inches of water) @ blower: 16"
- Vacuum (inches of water) @ Moisture Separator: 0.5
- Volume of water drained from Moisture Separator: Full / 2590ll
- Effluent VOC Concentration (ppm): 0.8
- Moisture Separator VOC Concentration: 0.8 - Full system shut off

Notes: system shut off - High Water Restart  
water in B-C cell

Condition	Vacuum @ Blower	Vacuum @ Separator	Vacuum @ Cell A	Vacuum @ Cell B	Vacuum @ Cell C	Vacuum @ Cell D	Effluent	% Open @ MAX
As Was	16	0.5					0.8	
Cell A Only	16	1					0.5	1/4
Cell B Only	18	1.7					0.7	OPEN FULL
Cell C Only	16	0.4					1.9	OPEN FULL
Cell D Only	16	1.4					0.3	1/4
Maximized	16	0.3					1.2	-

VATEC →

**SVE Operation and Maintenance Log**  
**City of Rochester - Court St. Garage**  
**Marcor Job Number RO-00950-034**

Date: 5-26-99

*Doug Stamp*

- Vacuum (inches of water) @ blower: 7"
- Vacuum (inches of water) @ Moisture Separator: 0.45"
- Volume of water drained from Moisture Separator: 30 gals (Full)
- Effluent VOC Concentration (ppm): 2.0
- Moisture Separator VOC Concentration: 0.0

Notes: System DOA - drained knockout (Full) -  
system would not restart on "Auto" - traced  
problem to float switch - bypassed float  
switch + restarted system

Condition	Vacuum @ Blower	Vacuum @ Separator	Vacuum @ Cell A	Vacuum @ Cell B	Vacuum @ Cell C	Vacuum @ Cell D	Effluent	% Open
As Was	7"	0.45"	—	—	—	—	2.0	—
Cell A Only	8"	1.15"					3.2	100
Cell B Only	8-20"	1.5-5.4"					4.8	100
Cell C Only	7"	0.5					0.9	25
Cell D Only	8"	1.4					5.0	100
Maximized	7"	0.43"					3.7	—