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Customer-Focused Solutions

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May 2, 2006

Mr. Larry Lampman, P.E., Project Manager
Remedial Bureau A – Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7015

Re: Interim Report
Golden Horseshoe Shopping Center
NYSDEC Voluntary Cleanup Program
Site Number V – 00309-3
Index No. D3-0001-00-05

Dear Mr. Lampman:

The purpose of this interim report is to present the results of the recent round of groundwater, sub-slab vapor and indoor air sampling at the Golden Horseshoe Shopping Center in Scarsdale, New York (the "Site"). The sampling was performed in accordance with the approved Remedial Action Work Plan Addendum, dated February 2006 (the "RAWP Addendum"). Figure 1 shows the location of the Site.

Background

The Golden Horseshoe Shopping Center is a single story shopping mall in Scarsdale, New York. A former dry cleaner (Sabrina's Cleaners) had occupied a space at the Site from 1984 to 1997. This past use resulted in elevated levels of chlorinated solvents in the soil and groundwater. Remediation of soil and groundwater was performed in accordance with a Remedial Action Work Plan for the Site, dated December 2, 2002. Currently, the United States Postal Service (USPS) occupies the former Sabrina's dry cleaner space (the "Post Office"). Other occupants of the Site near the Post Office include a nail salon and a different dry cleaner. Their relative location to the Post Office is shown on Figure 2.

Scope

TRC implemented the scope of testing proposed in the RAWP Addendum. This work consisted of the following:

a) Sampling of six existing monitoring wells at the Site, and analysis of groundwater

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samples for Target Compound List volatile organic compounds (TCL VOCs),

b) Collecting three sub-slab vapor and three indoor air samples inside the Post Office and one outdoor air sample upwind of the Post Office (the "background" sample) for TO-15 list VOCs, and

c) Characterizing groundwater conditions in monitoring well MW-5 to evaluate the performance of prior remediation at this location ("Performance Groundwater Sampling").

TRC also inventoried chemicals utilized at the nearby dry cleaners because TRC believes that this upwind commercial space may have contributed to or be the source of some of the PCE identified in the indoor and outdoor air samples.

Results

The implementation of the RAWP Addendum field activities occurred on March 9, 2006. The results of the sub-slab vapor and air sampling are summarized on the enclosed Tables 1 and 2 and Figure 3. The results of the groundwater sampling are summarized on the enclosed Table 3 and Figure 4. The Performance Groundwater Sampling results are summarized on the enclosed Table 4.

TRC inventoried chemicals at the Post Office and the drycleaner at the Site. The findings of this chemical inventorying are presented in Appendix A.

TRC validated the groundwater sample results, and a copy of the Data Usability Summary Report is included in Appendix B. As indicated by the data validation, groundwater sampling results are usable for the project objectives with the exception of acetone, 2-hexanone, and 2-butanone due to a low response factor.

Evaluation Criteria

Solely for purposes of discussion in this report, the sub-slab vapor, background, and indoor air sampling results were compared to the criteria in the New York State Department of Health (NYSDOH) draft document titled *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*[1].

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1 Scarsdale Shopping Center Associates does not agree that this guidance is necessarily applicable to this matter. This guidance does not contain validly promulgated standards or criteria. In addition, in Scarsdale Shopping Center

The groundwater sampling results were compared to the New York State Ambient Water Quality Standards and Guidance Values for Class GA groundwater, as presented in the Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1. The results of the Performance Groundwater Sampling were compared to evaluation criteria provided in the RAWP Addendum.

Conclusions

The groundwater sampling results indicate that there are no exceedances of Class GA standards or guidance values for TCL VOCs in the wells at the Site. According to the NYSDOH draft guidance document, subslab vapor and indoor air sampling results may indicate a need for further monitoring of VOCs in the Post Office space, if the contaminants detected in indoor air samples are attributable to the former (i.e. remediated) soil or groundwater contamination as opposed to background or other sources of VOCs at the Site. In addition, in comparison to OSHA standards, no further action is warranted.

Other significant conclusions based upon the results of the first round of sampling are listed below.

1. The previous groundwater remediation undertaken at the Site has achieved the remedial objectives of restoring groundwater conditions to Class GA standards. Continuation of groundwater sampling at the Site therefore is no longer necessary. The groundwater monitoring wells should be properly abandoned.

2. The results of the performance groundwater sampling at MW-5 indicate that groundwater conditions are favorable for enhanced anaerobic bioremediation. After purging of MW-5, levels of dissolved oxygen were less than 1 mg/L, oxidation-reduction potential (ORP) was measured at negative values below –100 millivolts (mV), and nitrates were not detected in the well. In addition, a high concentration of soluble iron (greater than 10,000 parts per million or ppm) was measured, indicating a lack of available oxygen.

3. The concentrations of tetrachloroethene (PCE) detected in the indoor air of the Post Office may be attributed to other sources at the Site that are unrelated to the former soil and groundwater contamination that was remediated under the voluntary agreement. The concentration of PCE detected in the background air sample (32.38 ug/m^3) was

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Associates' view, this guidance is not relevant, appropriate or applicable. Therefore, the indoor air sampling results have also been compared to applicable OSHA standards.

approximately equal to or greater than that detected in the indoor air samples collected in the Post Office. The nearby Wilmot dry cleaners, is located three stores to the east of the Post Office and utilizes PCE in connection with its normal operations. The dry cleaner represents a potential source for the PCE detected in the outdoor air and indoor air of the Post Office because the drycleaner was upwind of the Post Office at the time of TRC's sampling.

4. With the exception of PCE and trichloroethene (TCE), the compounds detected in the subslab vapor are inconsistent with the known past use of the Post Office space and soil and groundwater sampling results reported as part of previous investigations. Likely chemical use at the nearby and upwind nail salon and truck traffic associated with the Post Office may account for the other chemicals detected in the indoor air and subslab vapor.

Please do not hesitate to contact me at (212) 221-7822 if you have any questions.

Very truly yours,
TRC ENGINEERS, INC.

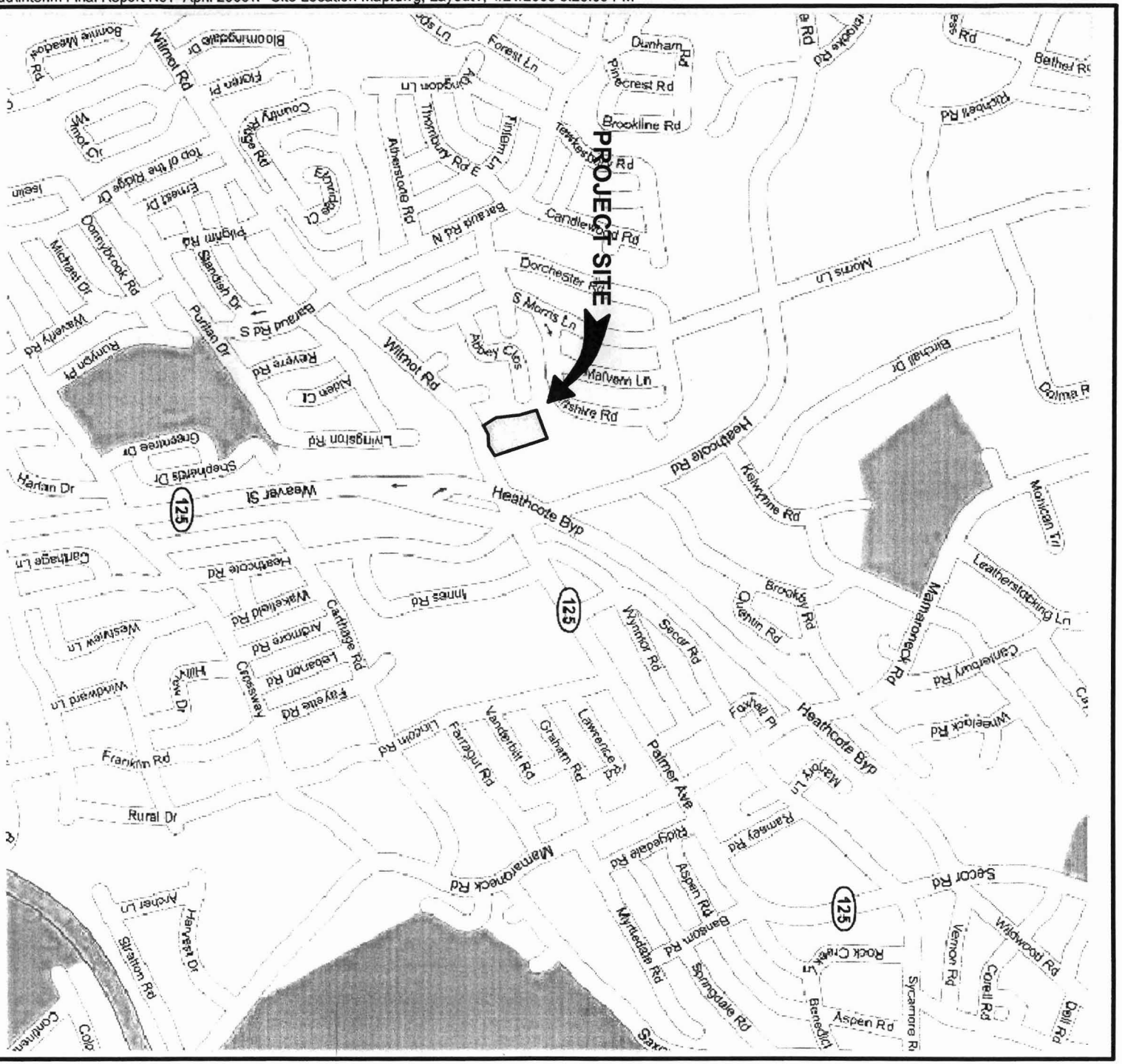
William V. Silveri.
Senior Project Manager

Attachments

Table 1	Results of Sub-Slab Vapor Analyses
Table 2	Results of Air Sampling Analyses
Table 3	Results of Groundwater Sampling Anlayses
Tables 4A-4B	Results of Groundwater Performance Monitoring
Figure 1	Project Site Location
Figure 2	Potential Airborne Sources of VOCs at the Site
Figure 3	Summary of Results of Sub-Slab Vapor and Indoor Air Sampling
Figure 4	Groundwater Sample Locations and Results
Appendix A	Inventory of Chemical Usage at the Site
Appendix B	Data Usability Summary Report

cc: D. Glass

I:\Projects\49632 - Goldenhorse Shoe Mall\Cadd\Interim Final Report No1- April 2006\1- Site Location Map.dwg, Layout1, 4/21/2006 3:25:09 PM



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Project No.:	Design By:
49632	JE
Scale:	Check By:
NTS	WS
CAD File:	Approve By:

INTERIM FINAL REPORT NO. 1
GOLDEN HORSESHOE SHOPPING CENTER
SCARSDALE, NEW YORK

Date: NOVEMBER 2005

SITE LOCATION MAP

Figure: FIGURE 1

OA–1

TRICHLOROETHENE WAS FOUND TO BE UTILIZED AT THIS DRY CLEANER LOCATED UPWIND OF THE BACKGROUND SAMPLE.

KATZENBURG CAFE

GRISTEDES

POST OFFICE

DOCK

WORK AREA

CONC. FLOOR

BOILER ROOM

STORAGE

BREAK ROOM

LIFT

CORRIDOR

LOCKER SPACE

REST ROOM

LADY'S

TILE FLOOR

TILE LOCKER ROOM

PO BOX TILE

CUSTOMER AREA

STATION MANAGER OFFICE

REM ROOM TILE FLOOR

CHINESE RESTAURANT

LEAH'S HAIR SALON

WILMONT DRY CLEANERS

BEGINNING'S MEN

EYE Q OPTOMOSTRIST

N–NEAL'S CAMPING

SOPHIA'S NAILS

THE GOUREMET CHEF

BANK OF AMERICA

1 HOUR PHOTO

CHERYL'S CLOSET

THIS NAIL SALON IS LOCATED UPWIND OF THE BACKGROUND AIR SAMPLE.

N

LEGEND

STORE BOUNDARY

OA–1 OUTDOOR AIR SAMPLE LOCATION

AREA OF POST OFFICE FORMERLY OCCUPIED BY DRY CLEANER

EXTERNAL REFERENCES:
I:\Projects\49632 - Goldenhorse Shoe Mall\Cadd\Basemap.dwg

INTERIM FINAL REPORT NO. 1
GOLDEN HORSESHOE SHOPPING CENTER
SCARSDALE, NEW YORK

TRC
TRC ENGINEERS, INC.
1430 BROADWAY
NEW YORK, NEW YORK 10018

DESIGNED BY:	DATE:
WVS	4/21/2006
DRAWN BY:	SCALE:
SMOR	NTS
CHECKED BY:	PROJECT NUMBER:
	49632-0000-00003

FIGURE 2

DRAWING TITLE:

POTENTIAL AIRBORNE SOURCES OF VOCS AT THE SITE

TABLE 1
GOLDEN HORSESHOE SHOPPING CENTER
SCARSDALE, NEW YORK
RESULTS OF SUB-SLAB VAPOR ANALYSES
March 9, 2006

Sample Location	SS-1	SS-2	SS-3
Date Collected	03/09/06	03/09/06	03/09/06
Dilution	4	10	10
Compound	ug/m^3	ug/m^3	ug/m^3
1,1,2,2-Tetrachloroethane	1.31U	3.24U	3.24U
1,1,1-Trichloroethane	0.6U	1.53U	1.53U
1,1,2-Trichloroethane	0.93U	2.34U	2.34U
1,2,4-Trichlorobenzene	1.48U	3.78U	3.78U
1,1,2-Trichlorotrifluoroethane	0.74U	1.84U	1.84U
1,2,4-Trimethylbenzene	1.57	2.46U	2.46U
1,3,5-Trimethylbenzene	1.08U	2.66U	2.66U
2,2,4-Trimethylpentane	91.57	21.49	28.5
Acetone	41.6	113.39	80.82
Allyl Chloride	0.32U	0.79U	0.79U
Benzene	3.07	8.31	15.98
Benzyl Chloride	0.81U	2.02U	2.02U
Bromoform	1.45U	3.63U	3.63U
Bromodichloromethane	0.94U	2.35U	2.35U
Bromoethene	0.75U	1.84U	1.84U
Bromomethane	0.34U	0.86U	0.86U
2-Butanone	0.83U	2.07U	2.07U
1,3-Butadiene	0.62U	1.53U	1.53U
Carbon disulfide	1.12	0.69U	0.69U
Carbon Tetrachloride	1.51U	3.85U	3.85U
Chlorobenzene	0.88U	2.18U	2.18U
Chloroform	5.07	10.73	3.41
Chloromethane	0.49	1.64	1.23
Chloroethane	0.26U	0.64U	0.64U
Cyclohexane	0.94U	2.35U	2.35U
Dibromochloromethane	1.36U	3.50U	3.50U
1,2- Dibromoethane	1.23U	3.16U	3.16U
1,2-Dichlorobenzene	1.20U	2.95U	2.95U
1,3-Dichlorobenzene	1.57U	3.92U	3.92U
1,4-Dichlorobenzene	1.33U	3.25U	3.25U
1,1-Dichloroethane	0.49U	1.22U	1.22U
1,2-Dichloroethane	1.05U	2.64U	2.64U
1,1-Dichloroethene	0.56U	1.35U	1.35U
cis-1,2-Dichloroethene	0.68U	1.71U	1.71U

TABLE 1
GOLDEN HORSESHOE SHOPPING CENTER
SCARSDALE, NEW YORK
RESULTS OF SUB-SLAB VAPOR ANALYSES
March 9, 2006

Sample Location	SS-1	SS-2	SS-3
Date Collected	03/09/06	03/09/06	03/09/06
Dilution	4	10	10
Compound	ug/m^3	ug/m^3	ug/m^3
trans-1,2-Dichloroethene	0.60U	1.51U	1.51U
1,2-Dichloropropane	1.02U	2.50U	2.50U
Cis-1,3-Dichloropropene	0.44U	1.09U	1.09U
Trans-1,3-Dichloropropene	0.86U	2.14U	2.14U
1,4-Dioxane	0.79U	1.95U	1.95U
Dichloro-difluoro-methane (Freon 12)	3.37	21.32	176.54
Dichlorotertafluoroethane	0.77U	1.96U	1.96U
Ethyl Acetate	179.61	988.2 D***	1060.33 D***
Ethylbenzene	1.22	1.48U	1.48U
4-Ethyltoluene	0.69U	1.77U	1.77U
Heptane	0.45U	1.15U	1.15U
Hexane	0.34U	0.85U	0.85U
2-Hexanone	0.66U	1.64U	1.64U
Hexachloro -1,3-butadiene	3.42B	7.06U	7.06U
Isopropyl Alcohol	5.02	26.07	8.11
m, p-Xylene	4.52	3.91	3.65U
Methylene chloride	11.43B	9.06B	8.71B
Methyl tert-butyl ether	0.61U	1.55U	1.55U
4-Methyl-2-pentanone	4.1	2.87	5.33
Propene	5.78	0.81U	0.81U
o-Xylene	1.39	2.17U	2.17U
Styrene	0.68U	1.70U	1.70U
Tetrachloroethene (PCE)	214.3	153.07	474.87
Tetrahydrofuran	0.71U	1.77U	1.77U
Toluene	63.34	120.66	70.51
Trichloroethene (TCE)	0.86U	3.76	12.35
Trichlorofluoromethane (Freon 11)	1.57	2.25U	2.25U
Vinyl Acetate	0.28U	0.70U	0.70U
Vinyl Chloride	0.31U	0.77U	0.77U

Notes:
ug/m^3= micrograms per cubic meter
U=Not detected above laboratory reporting limit
B = Analyte found in associated method blank
D*** = Concentration for analyte for sample diluted at 20x

TABLE 2
GOLDEN HORSESHOE SHOPPING CENTER
SCARSDALE, NEW YORK
RESULTS OF INDOOR/AMBIENT AIR ANALYSES
March 9, 2006

Sample Location	NY State Background Levels	OSHA PEL	OA-1: Site-Specific Background Sample	IA-1	IA-2	IA-3
Date Collected			03/09/06	03/09/06	03/09/06	03/09/06
Dilution			4	2	4	4
Compound	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,1,2,2-Tetrachloroethane	<0.25	35,000	1.31U	0.65U	1.31U	1.31U
1,1,1-Trichloroethane	0.38	45,000	0.60U	0.44	0.65	0.65
1,1,2-Trichloroethane	<0.25	45,000	0.93U	0.47U	0.93U	0.93U
1,2,4-Trichlorobenzene	NA	NS	2.08	0.74U	1.48U	1.48U
1,1,2-Trichlorotrifluoroethane	NA	7,600,000	0.74U	0.61	0.74U	0.74U
1,2,4-Trimethylbenzene	1.0	NS	6.30	6.69	3.54	5.7
1,3,5-Trimethylbenzene	0.44	NS	1.97	1.97	1.18	1.77
2,2,4-Trimethylpentane	NA	NS	1.12	0.24U	0.47U	0.93
Acetone	23	2,400,000	51.11	55.62	54.2	68.7
Allyl Chloride	NA	3,000	0.32U	0.16U	0.32U	0.32U
Benzene	2.6	3,190	6.52	6.14	6.39	7.03
Benzyl Chloride	NA	5,000	0.81U	0.40U	0.81U	0.81U
Bromoform	NA	5,000	1.45U	0.73U	1.45U	1.45U
Bromodichloromethane	NA	NS	0.94U	0.47U	0.94U	0.94U
Bromoethene	NA	NS	0.75U	0.37U	0.75U	0.75U
Bromomethane	<0.25	80,000	0.34U	0.17U	0.34U	0.34U
2-Butanone	NA	590,000	0.83U	0.41U	0.83U	0.83U
1,3-Butadiene	NA	2,210	0.62U	0.31U	0.62U	0.62U
Carbon disulfide	NA	62,200	0.27U	0.14U	0.27U	0.27U
Carbon Tetrachloride	0.68	629,000	1.51U	0.76U	1.51U	1.51U
Chlorobenzene	<0.25	350,000	0.88U	0.44U	0.88U	0.88U
Chloroform	<0.25	240,000	0.78	0.88	0.59	0.78
Chloroethane	NA	2,560	0.26U	0.13U	0.26U	0.26U
Chloromethane	NA	207,000	1.23	1.07	1.15	1.23
Cyclohexane	NA	1,050,000	0.94U	0.47U	0.94U	0.94U
Dibromochloromethane	NA	NS	1.36U	0.70U	1.36U	1.36U
1,2- Dibromomethane	<0.25	NS	1.23U	0.63U	1.23U	1.23U
1,2-Dichlorobenzene	<0.25	300,000	1.20U	0.59U	1.20U	1.20U
1,3-Dichlorobenzene	<0.25	NS	1.57U	0.78U	1.57U	1.57U
1,4-Dichlorobenzene	NA	450,000	1.69	1.2	1.33U	1.33U
1,1-Dichloroethane	<0.25	400,000	0.49U	0.24U	0.49U	0.49U
1,2-Dichloroethane	<0.25	202,500	1.05U	0.53U	1.05U	1.05U
1,1-Dichloroethene	<0.25	NS	0.56U	0.27U	0.56U	0.56U

TABLE 2
GOLDEN HORSESHOE SHOPPING CENTER
SCARSDALE, NEW YORK
RESULTS OF INDOOR/AMBIENT AIR ANALYSES
March 9, 2006

Sample Location	NY State Background Levels	OSHA PEL	OA-1: Site-Specific Background Sample	IA-1	IA-2	IA-3
Date Collected			03/09/06	03/09/06	03/09/06	03/09/06
Dilution			4	2	4	4
Compound	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
cis-1,2-Dichloroethene	<0.25	NS	0.68U	0.34U	0.68U	0.68U
trans-1,2-Dichloroethene	NA	790,000	0.60U	0.30U	0.60U	0.60U
1,2-Dichloropropane	<0.25	350,000	1.02U	0.51U	1.02U	1.02U
Cis-1,3-Dichloropropene	NA	NS	0.44U	0.22U	0.44U	0.44U
Trans-1,3-Dichloropropene	NA	NS	0.86U	0.43U	0.86U	0.86U
1,4-Dioxane	NA	360,000	0.79U	0.40U	0.79U	0.79U
Dichloro-difluoro-methane (Freon 12)	NA	4,950,000	3.17	3.07	3.37	3.97
Dichlorotertafluoroethane	NA	7,000,000	0.77U	0.39U	0.77U	0.77U
Ethyl Acetate	NA	1,400,000	157.97	172.39 D*	280.95	595.08 D**
Ethylbenzene	0.61	435,000	2.43	2.26	1.56	2.09
4-Ethyltoluene	NA	NS	2.36	2.26	1.38	2.16
Heptane	NA	2,000,000	1.64	1.72	1.48	1.97
Hexane	NA	1,800,000	0.34U	0.17U	0.34U	0.17U
2-Hexanone	NA	410,000	0.66U	0.33U	0.66U	0.66U
Hexachloro -1,3-butadiene	NA	NS	3.42B	1.71B	3.00B	3.00B
Isopropyl Alcohol	NA	980,000	12.59	12.69	8.26	13.97
m, p-Xylene	0.69	435,000	7.30	7.12	4.87	6.43
Methylene chloride	2.0	86,750	6.69B	7.25B	7.94B	4.47B
Methyl tert-butyl ether	1.0	NS	0.61U	0.31U	0.61U	0.61U
4-Methyl-2-pentanone	NA	410000	1.8	1.8	1.48	2.46
Propene	NA	NS	2.43	5.71	5.44	0.33U
o-Xylene	0.74	435,000	2.43	2.43	1.56	2.09
Styrene	<0.25	426,000	0.68	0.68	0.68U	0.68U
Tetrachloroethene (PCE)	0.34	678,000	32.38	29.93	30.75	34.29
Tetrahydrofuran	NA	590,000	0.71U	0.35U	0.71U	0.71U
Toluene	3.3	754,000	208.89	220.57 D*	144.41	234.15
Trichloroethene (TCE)	<0.25	537,000	0.91U	0.43U	5.15	4.08
Trichlorofluoromethane (Freon 11)	NA	5,600,000	1.8	1.68	1.57	1.8
Vinyl Acetate	NA	NS	0.35U	0.18U	0.36U	0.35U
Vinyl Chloride	<0.25	2,560	0.31U	0.16U	0.31U	0.31U

Notes:
New York State Background Levels based upon NYSDOH Summary of Indoor and Outdoor Levels of Volatile Organic Compounds From Fuel Oil Heated Homes in NYS, 1997 to 2003. Unpublished. New York State Department of Health, Bureau of Toxic Substance Assessment.
ug/m^3= micrograms per cubic meter
NA = Not established
NS = No Standard
U=Not detected above laboratory reporting limit
B = Analyte found in associated method blank
Bold/shaded= Exceeds NYSDOH Study for outdoor concentrations
D* = Concentration for anlayte for sample diluted at 4x
D** = Concentration for analyte for sample diluted at 10x

TABLE 3
GOLDEN HORSESHOE SHOPPING CENTER
SCARSDALE, NEW YORK
RESULTS OF GROUNDWATER SAMPLING ANALYSES
March 9, 2006

Sample ID	Class GA Standards and Guidance Values	TRC-MW-1	TRC-MW-2	TRC-MW-3	TRC-MW-4	TRC-MW-5	TRC-MW-6	FIELDBLANK	TRIPBLANK
Lab Sample Number		X1904-01	X1904-02	X1904-03	X1904-04	X1904-05	X1904-06	X1904-07	X1904-08
Sampling Date		3/9/2006	3/9/2006	3/9/2006	3/9/2006	3/9/2006	3/9/2006	3/9/2006	3/9/2006
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		1	1	1	1	1	1	1	1
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND									
1,1,1,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50.0	ND -R	ND -R	ND -R	ND -R	ND -R	ND -R	ND -R	2.1 B
2-Chloroethyl vinyl ether	5.0	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND -R	0.78 R	ND -R	ND -R	ND -R	ND -R	ND -R	ND -R
4-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	NE	ND	ND	ND	ND	1.2 J	ND	ND	ND
Acetone	50.0	ND -R	ND -R	ND -R	ND -R	ND -R	ND -R	ND -R	ND -R
Acrolein	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1.0	ND	ND	ND	ND	0.86 J	ND	ND	ND
Bromobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50.0	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50.0	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NE	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5.0	ND	ND	ND	ND	0.89 J	ND	ND	ND
Chlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7.0	0.38 J	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50.0	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 3
GOLDEN HORSESHOE SHOPPING CENTER
SCARSDALE, NEW YORK
RESULTS OF GROUNDWATER SAMPLING ANALYSES
March 9, 2006

Sample ID	Class GA Standards and Guidance Values	TRC-MW-1	TRC-MW-2	TRC-MW-3	TRC-MW-4	TRC-MW-5	TRC-MW-6	FIELDBLANK	TRIPBLANK
Lab Sample Number		X1904-01	X1904-02	X1904-03	X1904-04	X1904-05	X1904-06	X1904-07	X1904-08
Sampling Date		3/9/2006	3/9/2006	3/9/2006	3/9/2006	3/9/2006	3/9/2006	3/9/2006	3/9/2006
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		1	1	1	1	1	1	1	1
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND									
Dichlorodifluoromethane	**5.0**	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	**5.0**	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	**0.5**	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	**5.0**	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylenes	**5.0**	ND	ND	0.65 J	ND	ND	ND	ND	ND
Methyl tert-butyl Ether	**10.0**	0.63 J	ND	ND	ND	1.5	5.3	ND	ND
Methylene Chloride	**5.0**	ND -B	ND -B	ND -B	ND	ND -B	ND	1.4	1.4
Naphthalene	**10.0**	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	**5.0**	ND	ND	ND	ND	ND	ND	ND	ND
n-propylbenzene	**5.0**	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	**5.0**	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	**5.0**	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	**5.0**	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	**5.0**	ND	ND	ND	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	**0.4**	ND	ND	ND	ND	ND	ND	ND	ND
Tert butyl alcohol	**5.0**	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	**5.0**	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	**5.0**	0.50J	ND	ND	3.1	ND	ND	ND	ND
Toluene	**5.0**	ND	ND	0.32 J	ND	0.35 J	ND	ND	ND
trans-1,2-Dichloroethene	**5.0**	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	**5.0**	ND	ND	0.55 J	0.41 J	ND	0.67 J	ND	ND
Trichlorofluoromethane	**5.0**	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	**NE**	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	**2.0**	0.40 J	ND	ND	ND	ND	ND	ND	ND

Qualifiers:
U - The compound was not detected at the indicated concentration.
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
R - The nondetect or results for these compounds were rejected due to a low response factor (rf) .
* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
NR -Not analyzed
E - The reported result exceeds the calibrated range of the instrument for that test
ug/l - microgram per liter
NE- Criteria not establised
Bold indicates concentration exceeds Class GA value.

TABLE 4A
GOLDEN HORSESHOE SHOPPING CENTER
SCARSDALE, NEW YORK
HRC PERFORMANCE MONITORING FIELD MEASUREMENTS
MARCH 2006

Well	Date	Time	Gallons Purged	pH	Dissolved Oxygen (mg/L)	Temperature 0C	Conductivity (mS/Cm)	Oxidation Reduction Potential (mV)	Turbidity (NTUs)	PID (ppm)
										NA
MW-5	3/9/2006	Initial	0	9.14	1.5	11.14	24.5	-170	198	
			0.6	7.35	0.74	11.2	14.2	-168	12	
			1.2	7.27	0.66	11.2	11	-166	0	
			1.8	7.22	0.62	11.2	9.7	-164	0	
			2	7.23	0.6	11.2	9.4	-163	0	

Notes:

Parameters were collected using a Horiba U-22 water meter
NA - not available
mg/L - milligrams per liter
mS/cm - millisiemens per centimeter
mV - millivolts
NTUs - nephelometric turbidity unit
PID - photo ionization detector
ppm - parts per million

TABLE 4B
GOLDEN HORSESHOE SHOPPING CENTER
SCARSDALE, NEW YORK
HRC PERFORMANCE MONITORING RESULTS
MARCH 2006

	MW-5
Sample Date	3/9/2006
Metabolic Acids (mg/L):	
Lactic	<1.0
Acetic	<1.0
Pyruvic	<1.0
n-Butryic	<1.0
Prioponic	<1.0
Nitrates/Sulfates (mg/L)	
Nitrates	ND
Sulfates	10
Field Kits:	
Chemets Kit (K-7512) Dissolved Oxygen 1-12 ppm range	<1.0
Chemets Kit (K-6502) Dissolved Manganese 0-2 ppm range	0
Chemets Kit (K-6502D) Dissolved Manganese 0-50 ppm range	0
Chemets Kit (K-6010) Soluble Iron 0-10 ppm range	>10
Chemets Kit (K-6010) Total Iron 0-10 ppm range	>10
Chemets Kit (K-6010C) Soluble Iron 0-10,000 ppm range	>10,000
Hach Kit (1R-18C) Ferrous Iron 0 - 10 ppm range	>10

Notes:

mg/L= milligrams per liter (parts per million)

ND = Compound not detected abouve laboratory practical quantitation limit

Chemets and Hach Kits test were run during sample collection from flow cell or disposable teflon bailer except for dissolved oxygen

Dissolved Oxygen sample was collected using an in-situ snapper sampler.

*High range tests not necessary due to low range results.

NA - Not Available

ppm - parts per million

APPENDIX A
INVENTORY OF CHEMICAL USAGE

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Jennifer Guido Date/Time Prepared April 20, 2006

Preparer's Affiliation TRC Engineers Phone No. 212-221-7822

Purpose of Investigation Chemical inventory to assess background sample result

1. OCCUPANT:

Interviewed: ~~Y~~ / N

Last Name: Crenshaw First Name: Tara, Post Office Supervisor

Address: Golden Horseshoe Post Office, Wilmot Road, New Rochelle, New York

County: Westchester

Home Phone: _____ Office Phone: 914-725-8142

Number of Occupants/persons at this location 25 Age of Occupants Greater than 18

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: Fine First Name: Leah

Address: _____

County: _____

Home Phone: 203-715-2384 Office Phone: 914-472-6326

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	~~Commercial/Multi-use~~
Industrial	Church	Other: Post Office

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Strip Mall. Unit of concern is the post office.

Does it include residences (i.e., multi-use)? Y / ~~N~~ If yes, how many? _____

Other characteristics:

Number of floors 1 - split level Building age_____

Is the building insulated? ~~Y~~ / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

NA

Airflow near source

Outdoor air infiltration

Doors to loading dock often left open to allow access to delivery trucks.

Infiltration into air ducts

5. **BASEMENT AND CONSTRUCTION CHARACTERISTICS** (Circle all that apply)

a. Above grade construction:	wood frame	concrete	~~stone~~	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with tiling	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / ~~N~~			
k. Water in sump?	Y / N / ~~not applicable~~			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

_____

_____

6. **HEATING, VENTING and AIR CONDITIONING** (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	~~Hot water baseboard~~	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

~~Natural Gas~~	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in: Basement Outdoors ~~Main Floor~~ Other_____

Air conditioning: ~~Central Air~~ Window units Open Windows None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Air is retrieved from outdoor at the roof. It is pumped through an air conditioning unit that uses hydronic anitfreeze and pumped through baseboards within the post office.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	
1st Floor	Mail sorting and customer service. Some office space for supervisors.
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / ~~N~~

b. Does the garage have a separate heating unit? Y / N / ~~NA~~

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / ~~N~~ / NA
Please specify_____

d. Has the building ever had a fire? Y / ~~N~~ When?_____

e. Is a kerosene or unvented gas space heater present? Y / ~~N~~ Where?_____

f. Is there a workshop or hobby/craft area? Y / ~~N~~ Where & Type? _____

g. Is there smoking in the building? Y / ~~N~~ How frequently? _____

h. Have cleaning products been used recently? ~~Y~~ / N When & Type? _____

Cleaning is conducted twice per day at 6 am and 1:30 pm for approximately two hours each shift.

i. Have cosmetic products been used recently? Y / ~~N~~ When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / ~~N~~ Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / ~~N~~ Where & When? _____

l. Have air fresheners been used recently? ~~Y~~ / N When & Type? Bathrooms since 4/6/06

m. Is there a kitchen exhaust fan? Y / ~~N~~ If yes, where vented?_____

n. Is there a bathroom exhaust fan? ~~Y~~ / N If yes, where vented?_____

o. Is there a clothes dryer? Y / ~~N~~ If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / ~~N~~ When & Type?_____

Are there odors in the building? Y / ~~N~~
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / ~~N~~
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) ~~Unknown~~
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / ~~N~~ Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: ~~Public Water~~ Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: ~~Public Sewer~~ Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

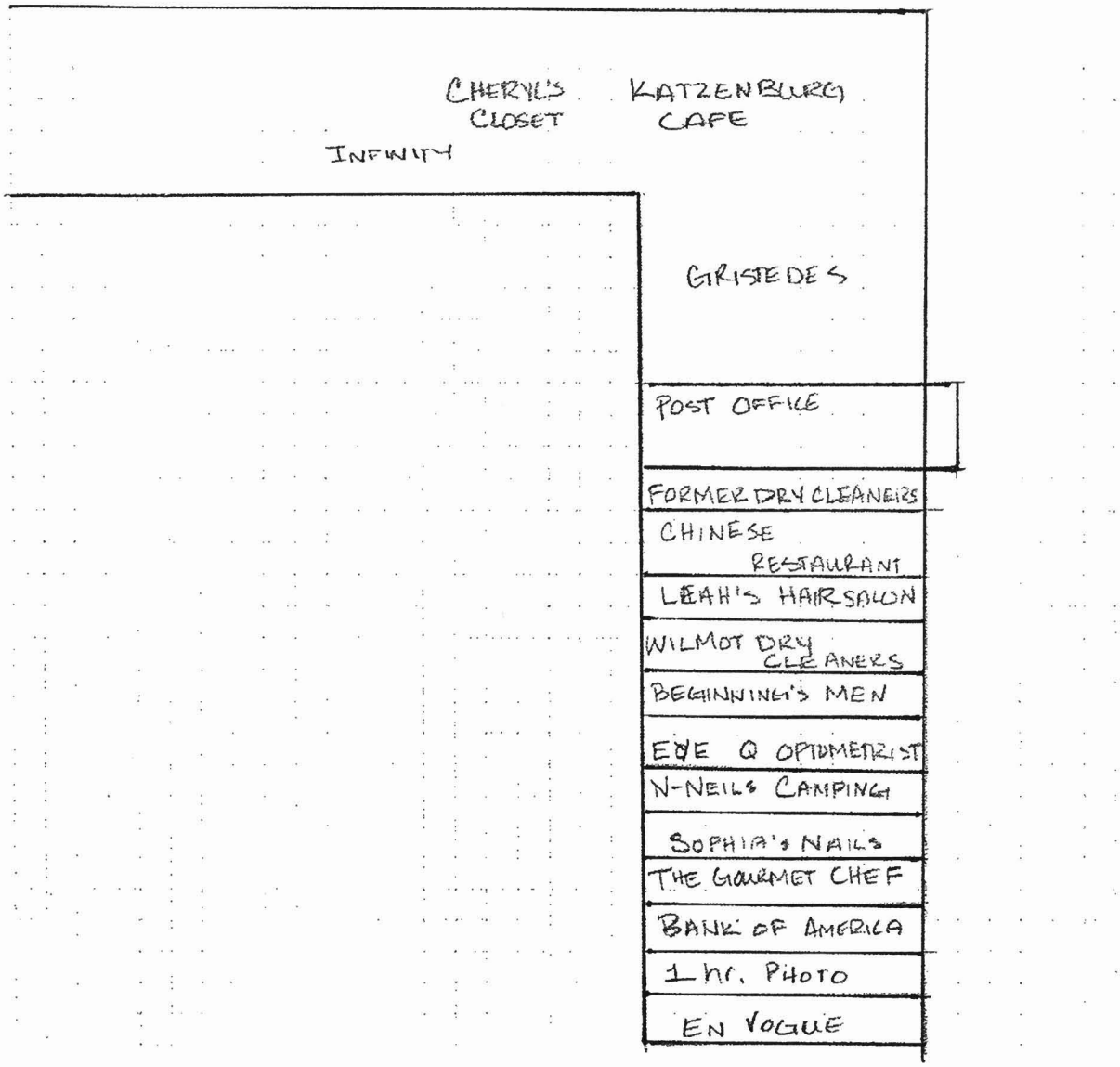
a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



c. Responsibility for costs associated with reimbursement explained? Y / N

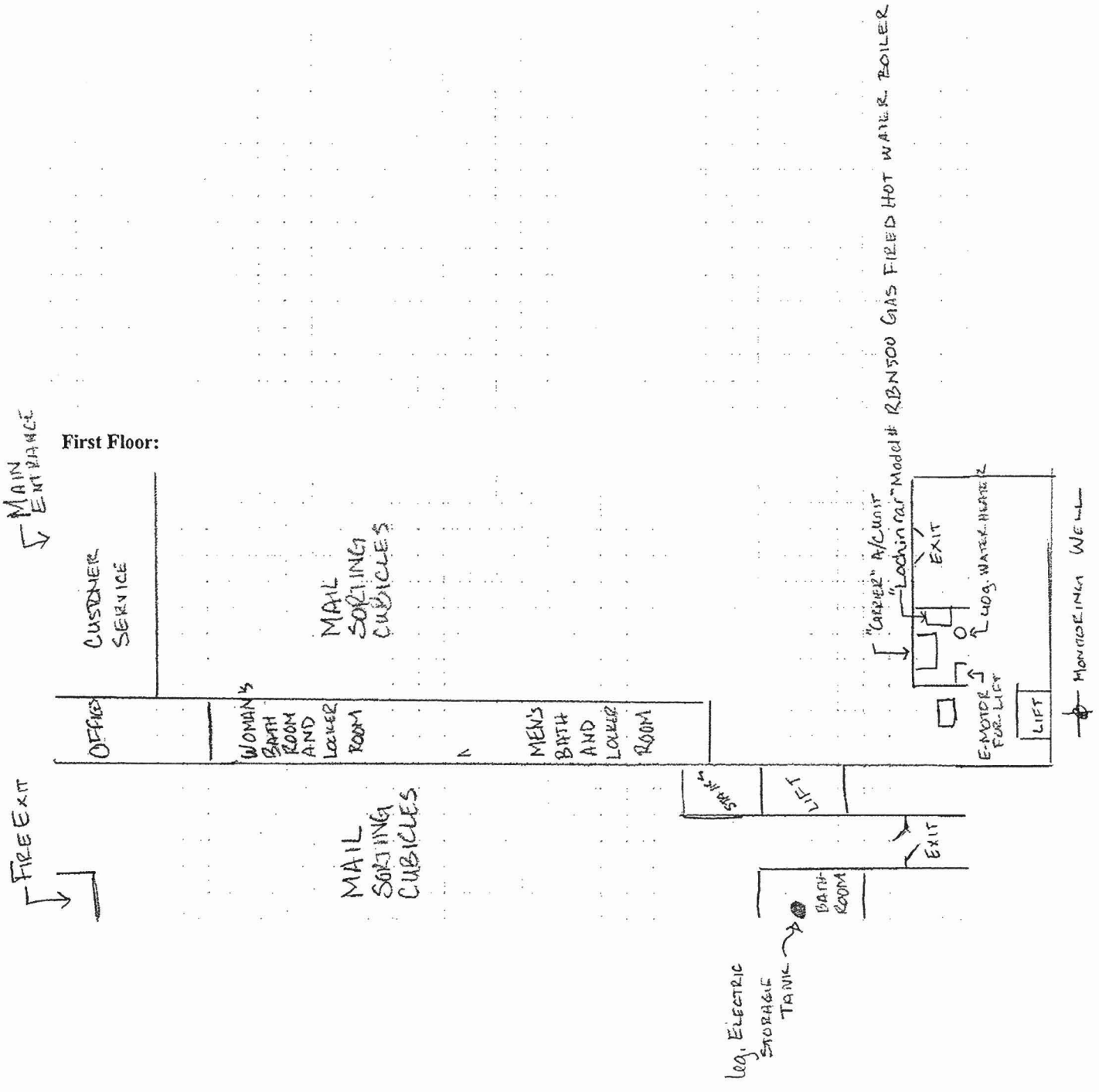
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

First Floor:



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: None

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
storage closet in back of building at lunchroom	2 - "So-sure" deicing/ defrosting liquid	14 oz Aero	Used	Nitrogen and methylene alcohol		
	"Turner Labs" Deicer	11.5 oz Aero	Used	Methyl alcohol		
	"Krylon" metal flake spray paint	13 oz Aero	Used	colors sebring green #3305 and rallye red #3301		
	"Krylon" upside down marking paint	17 oz Aero	Used			
	"Last n Last" ultra clear wood finish gloss	32 oz	Used	acrylic urethane; max VOC=410 g/L		
	2 - "Pine Oil" Disinfectant Detergent	32 oz	Used	60% pine oil, 40% inert ingredients		
	"State" High Gloss Protectant	10 oz	Used	Water, polydimethylsiloxane (#63148-62-9), butane (#106-97-8), propane (#74-98-6)		
	"Nuco" Citrisolv all purpose cleaner & deodorizer	1 ga	Used	D-limonene (#5989-27-5), sodium metasilicate (#6834-92-0), water, nonylphenolethoxylate (#9016-45-9), tetrapotassium pyrophosphate (7320-34-5)		
	"Kinzua" KC-77C natural degreaser	1 ga	Used	Petroleum distillate (#64742-96-7), D-limonene (#5989-27-5)		
	"Aqua-Wise" universal bowl cleaner	1 L	Used			
boiler room	Transmission fluid	1 L	Used			

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Jennifer Guido Date/Time Prepared April 20, 2006

Preparer's Affiliation TRC Engineers Phone No. 212-221-7822

Purpose of Investigation Chemical inventory to assess background sample result

1. OCCUPANT:

Interviewed: ~~Y~~ / N

Last Name: Mooshyun, Business Owner First Name: Lee

Address: Wilmot Dry Cleaners, 1126 Wilmot Road, New Rochelle, New York

County: Westchester

Home Phone: _____ Office Phone: 914-725-7722

Number of Occupants/persons at this location 7 Age of Occupants Greater than 18

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: Fine First Name: Leah

Address: _____

County: _____

Home Phone: 203-715-2384 Office Phone: 914-472-6326

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	~~Commercial/Multi-use~~
Industrial	Church	Other: Dry Cleaner

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: None

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
Near dry	(4) Pyrate stain remover "RR Street & Co."	12 oz	Used			
cleaner in center of	"Zuds" synthetic detergent	12 oz	Used			
store.	"Chemspec" Paint, oil and grease remover	1 L	Used	Amelyacetic (#628-63-7), linear primary alchohol ethoxylate (#68131-39-5)		
	"Wilson-go-product" Rust Go	14 oz	Used			
	"Yellow-go-dye" stripper	1 L	Used			
	"Crown Pince" Low T	14 oz	Used			
	detergent, bleach, and enzyme laundry product					
	"Kleens All" Soap	10 ga	Used			
	"RSR" digestive agent	16 oz	Used			
	(2) "Logos" Sodium Perbate	12 oz	Used			
	"Streets" Picrin touch up	1 ga	Used			
	"Kirkland" Institutional laundry detergent	32 lbs	Used			
	"CPS" Paint and oil grease spotter	1 ga	Used			
	"Laidlaw" mothproofing sol.	1 ga	Used			
	"Streets" Aqua Ammonia	1 ga	Used			
	"Streets" Streetex spray	1 ga	Used			
	spotter "Shower pruf west side"	1 ga	Used	no solvents		
	water repellent "Kurts & Wolfe" Amyl Acetate	1 ga	Used	Amyl acetate (#628-63-7)		
	Near back are approximately a dozen of the 32 ga buckets of "Kirkland" laundry detergent.					

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

***Tetrachloroethene is contained in the Victory 5000 dry cleaner by Sovrana located in the center of the store. Tetrachloroethene is not stored anywhere else within the facility.

APPENDIX B
Data Usability Summary Report

Data Usability Summary Report

Site:	Golden Horseshoe Shopping Center, Scarsdale, New York
Laboratory:	Chemtech, Mountainside, NJ
Case No.:	X1904
Reviewer:	Lorie MacKinnon/TRC Environmental Corporation
Date:	April 10, 2006

Samples Reviewed and Evaluation Summary

VOC:	6/Groundwater/	TRC-MW-1, TRC-MW-2, TRC-MW-3, TRC-MW-4, TRC-MW-5, TRC-MW-6
	1/Field Blank/	Field Blank-Equipment Blank
	1/Trip Blank/	Trip Blank

The above-listed samples were collected on March 9, 2006 and analyzed for site-specific volatile organic compounds (VOCs) by SW-846 method 8260B. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999), modified as necessary to accommodate the non-CLP methodology used, the project specific QC criteria detailed in the Quality Assurance Project Plan (QAPP), and Region II validation actions.

The organic data were evaluated based on the following parameters:

	• Overall Evaluation of Data and Potential Usability Issues
*	• Data Completeness
*	• Holding Times and Sample Preservation
*	• Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	• Initial and Continuing Calibrations
	• Blanks
*	• Surrogate Recoveries
	• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
*	• Internal Standards
*	• Laboratory Control Sample (LCS) Results
NA	• Field Duplicate Results
	• Sample Quantitation and Reported Quantitation Limits
	• Target Compound Identification

* - All criteria were met.

NA – A field duplicate pair was not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives with the exception of acetone and 2-hexanone in all samples and 2-butanone in samples TRC-MW-1, TRC-MW-2, TRC-MW-3, TRC-MW-4, TRC-MW-5, TRC-MW-6, and Field Blank-Equipment Blank.

Qualifications applied to the data as a result of sampling error are discussed below.

- The positive results for methylene chloride in samples TRC-MW-1, TRC-MW-2, TRC-MW-3, and TRC-MW-5 were qualified as nondetects due to field blank contamination. These results are still usable for project objectives. This qualification may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select VOC results which were below the lowest calibration standard and quantitation limit. These results were qualified as estimated (J) in the associated samples by the laboratory. These results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The nondetect results for acetone and 2-hexanone in all samples and 2-butanone in samples TRC-MW-1, TRC-MW-2, TRC-MW-3, TRC-MW-4, TRC-MW-5, TRC-MW-6, and Field Blank were rejected (R) due to a low response factor (RF). The results are not usable for project objectives which may have a major impact on the data usability.

- The positive result for 2-butanone in sample Trip Blank was qualified as estimated (J) due to a low RF. This result can be used for project objectives as an estimated value which may have a minor impact on the data usability.

The validation recommendation listed above was based on the following information.

Data Completeness

The data packages were complete as defined under the requirements for the NYSDEC ASP Category B deliverables.

Holding Times and Sample Preservation

All analytical holding time and sample preservation criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

The percent relative standard deviation (%RSD) of acetone (58.6) was outside of the acceptance criteria in the initial calibration associated with all samples. Validation actions were not required as these results were subsequently rejected due to low RF.

The response factors for acetone (0.020, 0.016), 2-butanone (0.048, 0.047), and 2-hexanone (0.043, 0.041) were outside of the acceptance criteria in the initial and continuing calibration standards associated with all samples. The positive result for 2-butanone in sample Trip Blank was qualified as estimated (J). The nondetect results for acetone and 2-hexanone in all samples and 2-butanone in samples TRC-MW-1, TRC-MW-2, TRC-MW-3, TRC-MW-4, TRC-MW-5, TRC-MW-6, and Field Blank-Equipment Blank were rejected (R) due to the low response factors.

Blanks

Target compounds were detected in the laboratory method blanks, field blank, and trip blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established for these compounds at 10x the highest concentrations detected. The following table summarizes the ALs.

Compound	Blank ID	Concentration Detected (µg/L)	Action Level (µg/L)
2-Butanone	Method Blank	1.1	11
Methylene chloride	Trip Blank	1.4	14
2-Butanone	Trip Blank	2.1	21

Sample results were qualified as follows:

•If sample concentration was < the quantitation limit (QL) and ≤ the Action Level, qualify the result as a nondetect (U) at the quantitation limit (QL).
•If sample concentration was ≥ the QL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
•If the sample concentration was > the QL and > the Action Level, qualification of the data was not required.

The positive results for methylene chloride in samples TRC-MW-1, TRC-MW-2, TRC-MW-3, and TRC-MW-5 were qualified as nondetects due to the field blank contamination.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

The laboratory performed MS/MSD analyses on sample TRC-MW-1. The percent recoveries and the relative percent differences (RPDs) of these target compounds were within the acceptance criteria with the exception of 2-butanone (MS 164%, 43% RPD). Validation action was not required on this basis.

Internal Standards

All criteria were met.

LCS Results

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group. Validation action was not required on this basis.

Sample Quantitation and Reported Quantitation Limits

Sample calculations were spot-checked; there were no errors noted. All quantitation limits (QLs) were found to be less than or equal to the project-required QLs.

Select VOC results were reported which were below the lowest calibration standard level and quantitation limit. These results were qualified as estimated (J) by the laboratory.

Target Compound Identification

All criteria were met with the exception of 2-hexanone in sample TRC-MW-2. Upon review of the raw data, the relative intensities of the characteristic ions and compound retention time did not meet acceptance criteria. The validator changed the result for 2-hexanone to nondetect at the QL.

Qualified Form Is

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	TRC Environmental Corp., NY	Date Collected:	3/9/2006
Project:	Proj# 49632 Golden HorseShoe, Scar	Date Received:	3/10/2006
Client Sample ID:	TRC-MW-1	SDG No.:	X1904
Lab Sample ID:	X1904-01	Matrix:	WATER
Analytical Method:	8260-Low	% Moisture:	100
Sample Wt/Vol:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF001470.D	1	3/22/2006	VF031906

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
74-87-3	Chloromethane	0.08	U	1.0	0.08	ug/L
75-01-4	Vinyl chloride	0.40	J	1.0	0.09	ug/L
74-83-9	Bromomethane	0.18	U	1.0	0.18	ug/L
75-00-3	Chloroethane	0.46	U	1.0	0.46	ug/L
75-69-4	Trichlorofluoromethane	0.10	U	1.0	0.10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.13	U	1.0	0.13	ug/L
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L
67-64-1	Acetone	~~1.6~~ R	~~U~~	5.0	1.6	ug/L
75-15-0	Carbon disulfide	0.11	U	1.0	0.11	ug/L
1634-04-4	Methyl tert-butyl Ether	0.63	J	1.0	0.22	ug/L
79-20-9	Methyl Acetate	0.16	U	1.0	0.16	ug/L
75-09-2	Methylene Chloride	1.5 U		1.0	0.42	ug/L
156-60-5	trans-1,2-Dichloroethene	0.10	U	1.0	0.10	ug/L
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L
110-82-7	Cyclohexane	0.15	U	1.0	0.15	ug/L
78-93-3	2-Butanone	~~0.23~~ R	~~U~~	5.0	0.23	ug/L
56-23-5	Carbon Tetrachloride	0.16	U	1.0	0.16	ug/L
74-97-5	Bromochloromethane	0.14	U	1.0	0.14	ug/L
67-66-3	Chloroform	0.38	J	1.0	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14	ug/L
71-43-2	Benzene	0.15	U	1.0	0.15	ug/L
107-06-2	1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L
79-01-6	Trichloroethene	0.12	U	1.0	0.12	ug/L
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L
75-27-4	Bromodichloromethane	0.14	U	1.0	0.14	ug/L
108-10-1	4-Methyl-2-Pentanone	0.46	U	5.0	0.46	ug/L
108-88-3	Toluene	0.11	U	1.0	0.11	ug/L
10061-02-6	t-1,3-Dichloropropene	0.10	U	1.0	0.10	ug/L
142-28-9	1,3-Dichloropropane	0.14	U	1.0	0.14	ug/L
591-78-6	2-Hexanone	~~0.57~~ R	~~U~~	5.0	0.57	ug/L
124-48-1	Dibromochloromethane	0.13	U	1.0	0.13	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	TRC Environmental Corp., NY	Date Collected:	3/9/2006
Project:	Proj# 49632 Golden HorseShoe, Scar	Date Received:	3/10/2006
Client Sample ID:	TRC-MW-1	SDG No.:	X1904
Lab Sample ID:	X1904-01	Matrix:	WATER
Analytical Method:	8260-Low	% Moisture:	100
Sample Wt/Vol:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF001470.D	1	3/22/2006	VF031906

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L
127-18-4	Tetrachloroethene	0.50	J	1.0	0.12	ug/L
108-90-7	Chlorobenzene	0.11	U	1.0	0.11	ug/L
100-41-4	Ethyl Benzene	0.11	U	1.0	0.11	ug/L
126777-61-2	m&p-Xylenes	0.24	U	1.0	0.24	ug/L
95-47-6	o-Xylene	0.13	U	1.0	0.13	ug/L
100-42-5	Styrene	0.11	U	1.0	0.11	ug/L
98-82-8	Isopropylbenzene	0.12	U	1.0	0.12	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.09	U	1.0	0.09	ug/L
96-18-4	1,2,3-Trichloropropane	0.17	U	1.0	0.17	ug/L
103-65-1	n-propylbenzene	0.10	U	1.0	0.10	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.09	U	1.0	0.09	ug/L
98-06-6	tert-Butylbenzene	0.15	U	1.0	0.15	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.10	U	1.0	0.10	ug/L
135-98-8	Sec-butylbenzene	0.13	U	1.0	0.13	ug/L
99-87-6	4-Isopropyltoluene	0.13	U	1.0	0.13	ug/L
541-73-1	1,3-Dichlorobenzene	0.10	U	1.0	0.10	ug/L
106-46-7	1,4-Dichlorobenzene	0.12	U	1.0	0.12	ug/L
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.08	U	1.0	0.08	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.20	U	1.0	0.20	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.08	U	1.0	0.08	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.10	U	1.0	0.10	ug/L
SURROGATES						
1868-53-7	Dibromofluoromethane	10.46	105 %	85 - 115		SPK: 10
17060-07-0	1,2-Dichloroethane-d4	11.13	111 %	72 - 119		SPK: 10
2037-26-5	Toluene-d8	10.23	102 %	81 - 120		SPK: 10
460-00-4	4-Bromofluorobenzene	10.47	105 %	76 - 119		SPK: 10
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1186228	7.97			
540-36-3	1,4-Difluorobenzene	1542679	9.29			
3114-55-4	Chlorobenzene-d5	1244813	15.24			

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Report of Analysis

Client:	TRC Environmental Corp., NY	Date Collected:	3/9/2006
Project:	Proj# 49632 Golden HorseShoe, Scar	Date Received:	3/10/2006
Client Sample ID:	TRC-MW-1	SDG No.:	X1904
Lab Sample ID:	X1904-01	Matrix:	WATER
Analytical Method:	8260-Low	% Moisture:	100
Sample Wt/Vol:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF001470.D	1	3/22/2006	VF031906

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
3855-82-1	1,4-Dichlorobenzene-d4	704802	20.61			
TENTITIVE IDENTIFIED COMPOUNDS						
000156-60-5	Ethene, 1,2-dichloro-, (E)-	6.5	J	6.90		ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	TRC Environmental Corp., NY	Date Collected:	3/9/2006
Project:	Proj# 49632 Golden HorseShoe, Scar	Date Received:	3/10/2006
Client Sample ID:	TRC-MW-2	SDG No.:	X1904
Lab Sample ID:	X1904-02	Matrix:	WATER
Analytical Method:	8260-Low	% Moisture:	100
Sample Wt/Vol:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF001469.D	1	3/22/2006	VF031906

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
74-87-3	Chloromethane	0.08	U	1.0	0.08	ug/L
75-01-4	Vinyl chloride	0.09	U	1.0	0.09	ug/L
74-83-9	Bromomethane	0.18	U	1.0	0.18	ug/L
75-00-3	Chloroethane	0.46	U	1.0	0.46	ug/L
75-69-4	Trichlorofluoromethane	0.10	U	1.0	0.10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.13	U	1.0	0.13	ug/L
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L
67-64-1	Acetone	~~1.6~~ R.	~~U~~	5.0	1.6	ug/L
75-15-0	Carbon disulfide	0.11	U	1.0	0.11	ug/L
1634-04-4	Methyl tert-butyl Ether	0.22	U	1.0	0.22	ug/L
79-20-9	Methyl Acetate	0.16	U	1.0	0.16	ug/L
75-09-2	Methylene Chloride	1.3 U		1.0	0.42	ug/L
156-60-5	trans-1,2-Dichloroethene	0.10	U	1.0	0.10	ug/L
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L
110-82-7	Cyclohexane	0.15	U	1.0	0.15	ug/L
78-93-3	2-Butanone	~~0.23~~ R.	~~U~~	5.0	0.23	ug/L
56-23-5	Carbon Tetrachloride	0.16	U	1.0	0.16	ug/L
74-97-5	Bromochloromethane	0.14	U	1.0	0.14	ug/L
67-66-3	Chloroform	0.16	U	1.0	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14	ug/L
71-43-2	Benzene	0.15	U	1.0	0.15	ug/L
107-06-2	1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L
79-01-6	Trichloroethene	0.12	U	1.0	0.12	ug/L
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L
75-27-4	Bromodichloromethane	0.14	U	1.0	0.14	ug/L
108-10-1	4-Methyl-2-Pentanone	0.46	U	5.0	0.46	ug/L
108-88-3	Toluene	0.11	U	1.0	0.11	ug/L
10061-02-6	t-1,3-Dichloropropene	0.10	U	1.0	0.10	ug/L
142-28-9	1,3-Dichloropropane	0.14	U	1.0	0.14	ug/L
591-78-6	2-Hexanone	R. ~~0.78~~ ~~0.57~~	~~J U~~	5.0	0.57	ug/L
124-48-1	Dibromochloromethane	0.13	U	1.0	0.13	ug/L

U = Not Detected
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E = Value Exceeds Calibration Range

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	TRC Environmental Corp., NY	Date Collected:	3/9/2006
Project:	Proj# 49632 Golden HorseShoe, Scar	Date Received:	3/10/2006
Client Sample ID:	TRC-MW-2	SDG No.:	X1904
Lab Sample ID:	X1904-02	Matrix:	WATER
Analytical Method:	8260-Low	% Moisture:	100
Sample Wt/Vol:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF001469.D	1	3/22/2006	VF031906

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12	ug/L
108-90-7	Chlorobenzene	0.11	U	1.0	0.11	ug/L
100-41-4	Ethyl Benzene	0.11	U	1.0	0.11	ug/L
126777-61-2	m&p-Xylenes	0.24	U	1.0	0.24	ug/L
95-47-6	o-Xylene	0.13	U	1.0	0.13	ug/L
100-42-5	Styrene	0.11	U	1.0	0.11	ug/L
98-82-8	Isopropylbenzene	0.12	U	1.0	0.12	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.09	U	1.0	0.09	ug/L
96-18-4	1,2,3-Trichloropropane	0.17	U	1.0	0.17	ug/L
103-65-1	n-propylbenzene	0.10	U	1.0	0.10	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.09	U	1.0	0.09	ug/L
98-06-6	tert-Butylbenzene	0.15	U	1.0	0.15	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.10	U	1.0	0.10	ug/L
135-98-8	Sec-butylbenzene	0.13	U	1.0	0.13	ug/L
99-87-6	4-Isopropyltoluene	0.13	U	1.0	0.13	ug/L
541-73-1	1,3-Dichlorobenzene	0.10	U	1.0	0.10	ug/L
106-46-7	1,4-Dichlorobenzene	0.12	U	1.0	0.12	ug/L
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.08	U	1.0	0.08	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.20	U	1.0	0.20	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.08	U	1.0	0.08	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.10	U	1.0	0.10	ug/L
SURROGATES						
1868-53-7	Dibromofluoromethane	9.68	97 %	85 - 115		SPK: 10
17060-07-0	1,2-Dichloroethane-d4	9.85	99 %	72 - 119		SPK: 10
2037-26-5	Toluene-d8	10.17	102 %	81 - 120		SPK: 10
460-00-4	4-Bromofluorobenzene	9.89	99 %	76 - 119		SPK: 10
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1343545	7.98			
540-36-3	1,4-Difluorobenzene	1752504	9.30			
3114-55-4	Chlorobenzene-d5	1404660	15.25			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	TRC Environmental Corp., NY	Date Collected:	3/9/2006
Project:	Proj# 49632 Golden HorseShoe, Scar	Date Received:	3/10/2006
Client Sample ID:	TRC-MW-2	SDG No.:	X1904
Lab Sample ID:	X1904-02	Matrix:	WATER
Analytical Method:	8260-Low	% Moisture:	100
Sample Wt/Vol:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF001469.D	1	3/22/2006	VF031906

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
3855-82-1	1,4-Dichlorobenzene-d4	775028	20.61			

U = Not Detected
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	TRC Environmental Corp., NY	Date Collected:	3/9/2006
Project:	Proj# 49632 Golden HorseShoe, Scar	Date Received:	3/10/2006
Client Sample ID:	TRC-MW-3	SDG No.:	X1904
Lab Sample ID:	X1904-03	Matrix:	WATER
Analytical Method:	8260-Low	% Moisture:	100
Sample Wt/Vol:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF001468.D	1	3/21/2006	VF031906

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
74-87-3	Chloromethane	0.08	U	1.0	0.08	ug/L
75-01-4	Vinyl chloride	0.09	U	1.0	0.09	ug/L
74-83-9	Bromomethane	0.18	U	1.0	0.18	ug/L
75-00-3	Chloroethane	0.46	U	1.0	0.46	ug/L
75-69-4	Trichlorofluoromethane	0.10	U	1.0	0.10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.13	U	1.0	0.13	ug/L
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L
67-64-1	Acetone	~~1.6~~ R	~~U~~	5.0	1.6	ug/L
75-15-0	Carbon disulfide	0.11	U	1.0	0.11	ug/L
1634-04-4	Methyl tert-butyl Ether	0.22	U	1.0	0.22	ug/L
79-20-9	Methyl Acetate	0.16	U	1.0	0.16	ug/L
75-09-2	Methylene Chloride	1.1 U		1.0	0.42	ug/L
156-60-5	trans-1,2-Dichloroethene	0.10	U	1.0	0.10	ug/L
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L
110-82-7	Cyclohexane	0.15	U	1.0	0.15	ug/L
78-93-3	2-Butanone	~~0.23~~ R	~~U~~	5.0	0.23	ug/L
56-23-5	Carbon Tetrachloride	0.16	U	1.0	0.16	ug/L
74-97-5	Bromochloromethane	0.14	U	1.0	0.14	ug/L
67-66-3	Chloroform	0.16	U	1.0	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14	ug/L
71-43-2	Benzene	0.15	U	1.0	0.15	ug/L
107-06-2	1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L
79-01-6	Trichloroethene	0.55	J	1.0	0.12	ug/L
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L
75-27-4	Bromodichloromethane	0.14	U	1.0	0.14	ug/L
108-10-1	4-Methyl-2-Pentanone	0.46	U	5.0	0.46	ug/L
108-88-3	Toluene	0.32	J	1.0	0.11	ug/L
10061-02-6	t-1,3-Dichloropropene	0.10	U	1.0	0.10	ug/L
142-28-9	1,3-Dichloropropane	0.14	U	1.0	0.14	ug/L
591-78-6	2-Hexanone	~~0.57~~ R	~~U~~	5.0	0.57	ug/L
124-48-1	Dibromochloromethane	0.13	U	1.0	0.13	ug/L

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RL = Reporting Limit
MDL = Method Detection Limit
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	TRC Environmental Corp., NY	Date Collected:	3/9/2006
Project:	Proj# 49632 Golden HorseShoe, Scar	Date Received:	3/10/2006
Client Sample ID:	TRC-MW-3	SDG No.:	X1904
Lab Sample ID:	X1904-03	Matrix:	WATER
Analytical Method:	8260-Low	% Moisture:	100
Sample Wt/Vol:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF001468.D	1	3/21/2006	VF031906

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12	ug/L
108-90-7	Chlorobenzene	0.11	U	1.0	0.11	ug/L
100-41-4	Ethyl Benzene	0.11	U	1.0	0.11	ug/L
126777-61-2	m&p-Xylenes	0.65	J	1.0	0.24	ug/L
95-47-6	o-Xylene	0.13	U	1.0	0.13	ug/L
100-42-5	Styrene	0.11	U	1.0	0.11	ug/L
98-82-8	Isopropylbenzene	0.12	U	1.0	0.12	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.09	U	1.0	0.09	ug/L
96-18-4	1,2,3-Trichloropropane	0.17	U	1.0	0.17	ug/L
103-65-1	n-propylbenzene	0.10	U	1.0	0.10	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.09	U	1.0	0.09	ug/L
98-06-6	tert-Butylbenzene	0.15	U	1.0	0.15	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.10	U	1.0	0.10	ug/L
135-98-8	Sec-butylbenzene	0.13	U	1.0	0.13	ug/L
99-87-6	4-Isopropyltoluene	0.13	U	1.0	0.13	ug/L
541-73-1	1,3-Dichlorobenzene	0.10	U	1.0	0.10	ug/L
106-46-7	1,4-Dichlorobenzene	0.12	U	1.0	0.12	ug/L
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.08	U	1.0	0.08	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.20	U	1.0	0.20	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.08	U	1.0	0.08	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.10	U	1.0	0.10	ug/L
SURROGATES						
1868-53-7	Dibromofluoromethane	10.44	104 %	85 - 115		SPK: 10
17060-07-0	1,2-Dichloroethane-d4	11.59	116 %	72 - 119		SPK: 10
2037-26-5	Toluene-d8	10.16	102 %	81 - 120		SPK: 10
460-00-4	4-Bromofluorobenzene	10.45	105 %	76 - 119		SPK: 10
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1144672	7.97			
540-36-3	1,4-Difluorobenzene	1516035	9.29			
3114-55-4	Chlorobenzene-d5	1228258	15.26			

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MDL = Method Detection Limit
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	TRC Environmental Corp., NY	Date Collected:	3/9/2006
Project:	Proj# 49632 Golden HorseShoe, Scar	Date Received:	3/10/2006
Client Sample ID:	TRC-MW-3	SDG No.:	X1904
Lab Sample ID:	X1904-03	Matrix:	WATER
Analytical Method:	8260-Low	% Moisture:	100
Sample Wt/Vol:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF001468.D	1	3/21/2006	VF031906

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
3855-82-1	1,4-Dichlorobenzene-d4	716368	20.61			

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Report of Analysis

Client:	TRC Environmental Corp., NY	Date Collected:	3/9/2006
Project:	Proj# 49632 Golden HorseShoe, Scar	Date Received:	3/10/2006
Client Sample ID:	TRC-MW-4	SDG No.:	X1904
Lab Sample ID:	X1904-04	Matrix:	WATER
Analytical Method:	8260-Low	% Moisture:	100
Sample Wt/Wol:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF001440.D	1	3/19/2006	VF031906

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
74-87-3	Chloromethane	0.08	U	1.0	0.08	ug/L
75-01-4	Vinyl chloride	0.09	U	1.0	0.09	ug/L
74-83-9	Bromomethane	0.18	U	1.0	0.18	ug/L
75-00-3	Chloroethane	0.46	U	1.0	0.46	ug/L
75-69-4	Trichlorofluoromethane	0.10	U	1.0	0.10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.13	U	1.0	0.13	ug/L
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L
67-64-1	Acetone	~~1.6~~ R.	~~U~~	5.0	1.6	ug/L
75-15-0	Carbon disulfide	0.11	U	1.0	0.11	ug/L
1634-04-4	Methyl tert-butyl Ether	0.22	U	1.0	0.22	ug/L
79-20-9	Methyl Acetate	0.16	U	1.0	0.16	ug/L
75-09-2	Methylene Chloride	0.42	U	1.0	0.42	ug/L
156-60-5	trans-1,2-Dichloroethene	0.10	U	1.0	0.10	ug/L
75-34-3	1,1-Dichloroethane	0.17	U	1.0	0.17	ug/L
110-82-7	Cyclohexane	0.15	U	1.0	0.15	ug/L
78-93-3	2-Butanone	~~0.23~~ R.	~~U~~	5.0	0.23	ug/L
56-23-5	Carbon Tetrachloride	0.16	U	1.0	0.16	ug/L
74-97-5	Bromochloromethane	0.14	U	1.0	0.14	ug/L
67-66-3	Chloroform	0.16	U	1.0	0.16	ug/L
71-55-6	1,1,1-Trichloroethane	0.16	U	1.0	0.16	ug/L
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14	ug/L
71-43-2	Benzene	0.15	U	1.0	0.15	ug/L
107-06-2	1,2-Dichloroethane	0.13	U	1.0	0.13	ug/L
79-01-6	Trichloroethene	0.41	J	1.0	0.12	ug/L
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15	ug/L
75-27-4	Bromodichloromethane	0.14	U	1.0	0.14	ug/L
108-10-1	4-Methyl-2-Pentanone	0.46	U	5.0	0.46	ug/L
108-88-3	Toluene	0.11	U	1.0	0.11	ug/L
10061-02-6	t-1,3-Dichloropropene	0.10	U	1.0	0.10	ug/L
142-28-9	1,3-Dichloropropane	0.14	U	1.0	0.14	ug/L
591-78-6	2-Hexanone	~~0.57~~ R.	~~U~~	5.0	0.57	ug/L
124-48-1	Dibromochloromethane	0.13	U	1.0	0.13	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	TRC Environmental Corp., NY	Date Collected:	3/9/2006
Project:	Proj# 49632 Golden HorseShoe, Scar	Date Received:	3/10/2006
Client Sample ID:	TRC-MW-4	SDG No.:	X1904
Lab Sample ID:	X1904-04	Matrix:	WATER
Analytical Method:	8260-Low	% Moisture:	100
Sample Wt/Vol:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF001440.D	1	3/19/2006	VF031906

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
106-93-4	1,2-Dibromoethane	0.12	U	1.0	0.12	ug/L
127-18-4	Tetrachloroethene	3.1		1.0	0.12	ug/L
108-90-7	Chlorobenzene	0.11	U	1.0	0.11	ug/L
100-41-4	Ethyl Benzene	0.11	U	1.0	0.11	ug/L
126777-61-2	m&p-Xylenes	0.24	U	1.0	0.24	ug/L
95-47-6	o-Xylene	0.13	U	1.0	0.13	ug/L
100-42-5	Styrene	0.11	U	1.0	0.11	ug/L
98-82-8	Isopropylbenzene	0.12	U	1.0	0.12	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.09	U	1.0	0.09	ug/L
96-18-4	1,2,3-Trichloropropane	0.17	U	1.0	0.17	ug/L
103-65-1	n-propylbenzene	0.10	U	1.0	0.10	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.09	U	1.0	0.09	ug/L
98-06-6	tert-Butylbenzene	0.15	U	1.0	0.15	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.10	U	1.0	0.10	ug/L
135-98-8	Sec-butylbenzene	0.13	U	1.0	0.13	ug/L
99-87-6	4-Isopropyltoluene	0.13	U	1.0	0.13	ug/L
541-73-1	1,3-Dichlorobenzene	0.10	U	1.0	0.10	ug/L
106-46-7	1,4-Dichlorobenzene	0.12	U	1.0	0.12	ug/L
104-51-8	n-Butylbenzene	0.12	U	1.0	0.12	ug/L
95-50-1	1,2-Dichlorobenzene	0.08	U	1.0	0.08	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.20	U	1.0	0.20	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.08	U	1.0	0.08	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.10	U	1.0	0.10	ug/L
SURROGATES						
1868-53-7	Dibromofluoromethane	10.33	103 %	85 - 115		SPK: 10
17060-07-0	1,2-Dichloroethane-d4	11.16	112 %	72 - 119		SPK: 10
2037-26-5	Toluene-d8	10.16	102 %	81 - 120		SPK: 10
460-00-4	4-Bromofluorobenzene	10.68	107 %	76 - 119		SPK: 10
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1339492	7.98			
540-36-3	1,4-Difluorobenzene	1723010	9.30			
3114-55-4	Chlorobenzene-d5	1391476	15.25			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	TRC Environmental Corp., NY	Date Collected:	3/9/2006
Project:	Proj# 49632 Golden HorseShoe, Scar	Date Received:	3/10/2006
Client Sample ID:	TRC-MW-4	SDG No.:	X1904
Lab Sample ID:	X1904-04	Matrix:	WATER
Analytical Method:	8260-Low	% Moisture:	100
Sample Wt/Vol:	25.0 Units: mL	Soil Extract Vol:	uL
Soil Aliquot Vol:	uL		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF001440.D	1	3/19/2006	VF031906

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
3855-82-1	1,4-Dichlorobenzene-d4	825667	20.60			

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