MAY 17 1993

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APPLIED GEOLOGY, INC.
ENVIRONMENTAL CONSULTANTS

May 14, 1993

Mr. Charles B. Schwer
Petroleum Sites Coordinator
Vermont Department of
Environmental Conservation
103 South Main Street
Waterbury, Vermont 05676

RE: C.B. Sports Property, 210 South Street, Bennington, Vermont - Site #93-1363

Dear Mr. Schwer:

On behalf of Mr. C.B. Vaughn, I recently carried out your March 8, 1993 recommendations regarding the South Street property. All existing monitoring wells were resampled and analyzed for volatile organic compounds. The analytical results indicate that the contaminant of concern continues to be trichloroethene (TCE) which is present at very low levels. The results further demonstrate that TCE levels in excess of the Vermont Ground Water Enforcement Standard of 5 parts per billion (ppb) are not actively migrating beyond the property line.

A water quality sampling and analysis survey was conducted on April 9, 1993 at the South Street property. Static water levels were measured and all eleven monitoring wells were properly purged (in excess of three well volumes) and sampled with dedicated bailers. The eleven samples, two duplicate samples, and a trip blank were submitted to Endyne, Inc.'s laboratory for EPA Method 8010 analysis. The samples were analyzed by EPA Equivalent Method 8240 within the specified holding time.

The April 9, 1993 static water level data presented in **Table 1** describes a ground water system approximately 0.5 feet higher in elevation than previously measured. The data was used to construct the ground water contour map shown on **Figure 1**. As shown, the ground water system continues to flow to the north-northwest towards the Wallomsac River. The system slopes steeply along the valley wall (i.e. south side of the property) and becomes gently sloping beneath and downgradient of the property, in response to valley bottom (i.e. floodplain) conditions.

The April 9, 1993 water quality data is presented in **Attachment A** and

summarized in **Table 2**. The data continues to identify the contaminant of concern as trichloroethene (TCE) and indicates its presence in MW-1 (8.4 ppb), MW-7 (1.2 ppb), and MW-9 (32.6 and 38 ppb). All other monitoring wells on or off-site demonstrated non detect (<ppb) levels of TCE during the April 9, 1993 survey. The data also identified the presence of chloromethane at variable levels in all analyzed samples including the trip blank. Although QA/QC checks ultimately diagnosed its presence being attributed to residual methanol from sample bottle washing reacting with the hydrochloric acid sample bottle preservative, a confirmation sample was collected on 5/4/93 from MW-9, along with a trip blank, for EPA Method 8240 analysis. The results are presented in **Attachment A** and **Table 2**, and confirm the presence of TCE in MW-9 (63 ppb) and the absence of chloromethane from both MW-9 and the trip blank. This additional sampling confirms that the chloromethane identified in the April 9, 1993 samples were false positives. Chloroform was quantified in MW 2, 3, 4, and 5. As indicated in the previous assessment reports, the presence of chloroform is attributed to trihalomethane laden water leaking from the municipal water or sewer system.

The historical data summarized in **Table 2** indicates very limited TCE presence in MW-1, MW-4, MW-7, and MW-9. MW-9 is located at the point where (during floor washing activities) small amounts of TCE mixed with wash water were washed down a leaky floor drain between 1946 and 1970 when Bijur Lubricating Corporation occupied the property. Residual TCE adsorbed to the underlying soils appear to be intermittently leached (at levels ranging from 19.1 to 63 ppb) as water levels rise and fall beneath the basement. MW-1 is located directly downgradient of MW-9 at the edge of the property. The data from MW-1 indicates the intermittent low level presence of TCE (<1 to 15.2 ppb) at this point on the property. MW-7 is located downgradient to sidegradient of the subject property and represents one of three off-site compliance points (i.e. MW-5, 6, and 7) for measuring the level of TCE migrating in the ground water system. The data from MW-7 indicates <1 to 1.3 ppb of TCE migrating off-site at this location. MW-4 is located on the property upgradient to sidegradient of the building complex. It has had between <1 and 6.56 ppb of TCE associated with it. All other wells (MW-2, 3, 5, 6, 8, 10, and 11) on and off-site have shown non detect (<1 ppb) levels of TCE. The water quality database compiled since 1991 indicates that TCE is not migrating off the property at levels in excess of the Vermont Ground Water Enforcement Standards (5 ppb).

The overall results of the assessments and water quality surveys conducted since July 1991 lead us to recommend that the C.B. Sports Property owned by Mr. C.B. Vaughn should be granted very low priority closed status. This recommendation is based on the following facts:

1. Trichlorethene (TCE) was used by the Bijur Lubricating Corporation between 1946 and 1970. The chemical has not been used since 1970 and will not be used in the future.

2. TCE was used as a degreaser by Bijur. Over time and during clean up and floor washing events, small amounts of TCE (i.e. drips and drops) were washed down a leaky floor drain (attached to Bennington's Sanitary Sewer) located next to MW-9.

3. Low levels of dissolved TCE in water leaked from the drain resulting in the low level presence of TCE in the unsaturated soil and ground water in the immediate vicinity of the floor drain (i.e. MW-9).

4. Soil gas survey results from July 1991 indicate that the extent of solvent type (i.e. TCE) contamination is limited to the floor drain area.

5. Ground water quality results indicate that continuous low level TCE presence in ground water has only been identified in MW-9 (i.e. the source area). Intermittent low to very low level presence of TCE has been identified in on-site wells MW-1 and MW-4 and off-site well MW-7.

6. Ground water quality results from three off-site downgradient compliance points (i.e. MW-5, 6, and 7) indicate that TCE is <u>not</u> migrating off the property at levels in excess of the Vermont Ground Water Enforcement Standard of 5 ppb.

With regard to our formal recommendation for site closure, we do not believe it is necessary to conduct further ground water sampling surveys. The TCE contamination is an on-site residual level problem affecting the floor drain area of the site. Twenty three years after TCE was used at the property, there

is no evidence of its off-site migration at levels exceeding the Ground Water Enforcement Standards. It is my professional opinion that the TCE identified beneath the South St. property is not a threat to the environment or to public health. I look forward to your concurrence with our recommendation that the site should be closed with no further monitoring.

If you have any questions, please do not hesitate to call me at 453-4384.

Very truly yours,

Steve Revell, CPG

SR/lr
Enclosures
cc: Mr. C.B. Vaughn
Mr. Terry Ehrich

Lincoln Applied Geology, Inc.
Environmental Consultants
RD #1 Box 710 • Bristol, Vermont 05443 • (802) 453-4384 • FAX (802) 453-5399

Table 1
Job Number: 9071-117
Sheet 1 of 1

Project: C.B. Sports/210 South St.
Location: No. Bennington, Vermont

Ground Water Elevation (feet)

Data Point	TOC [2]	7-30-91	8-1-91	10-23-91	10-30-91	4-9-93	5-4-93	
MW-1	100.00 [1]	92.75	92.73	93.10	93.17	93.90		
MW-2	104.12	93.37	93.22	94.12	93.62	94.27		
MW-3	103.64	93.10	93.10	93.64	93.31	94.02		
MW-4	103.85			95.35	94.60	95.01		
MW-5	99.24			92.82	92.74	93.64		
MW-6	99.15			92.40	92.40	92.92		
MW-7	99.23			93.06	92.23	93.58		
MW-8	114.10			103.43	100.43	104.25		
MW-9	102.24			98.66	98.07	98.96	98.89	
MW-10	104.00			99.58	99.00	100.35		
MW-11	100.82			96.82	96.82	97.62		

NOTES:
1 - Elevation datum assumed
2 - Reference elevation is elevation of top of PVC well casing

C.B. Sports - South Street Property
Trichloroethene Ground Water Quality Results (ppb)

Data Point	8-8-91	10-23-91	4-9-93	5-4-93	
MW-1	15.2	ND	8.4		
MW-1 (Duplicate)		ND			
MW-2	ND	ND	ND		
MW-3	ND	ND	ND		
MW-4		6.56	ND		
MW-4 (Duplicate)			ND		
MW-5		ND	ND		
MW-6		ND	ND		
MW-7		ND	1.3		
MW-8		ND	ND		
MW-9		19.1	38	63	
MW-9 (Duplicate)			32.6		
MW-10		ND	ND		
MW-11		ND	ND		

NOTES:
ND - None Detected

ATTACHMENT A

April 9, 1993 and May 4, 1993
Water Quality Results

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

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REPORT OF LABORATORY ANALYSIS

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: April 20, 1993
DATE SAMPLED: April 9, 1993

PROJECT CODE: LACB1406
REF. #: 44,322 - 44,335

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody.

Chain of custody indicated the samples were preserved with HCl.

Although EPA method 8010 was requested, due to scheduling constraints, the samples were analyzed by equivalent EPA method 8240.

All samples were prepared and analyzed by requirements outlined in the referenced method and within the specified holding times.

All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced method.

Blank contamination was not observed at levels affecting the analytical results.

Analytical method precision and accuracy was monitored by laboratory control standards which included matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits.

Reviewed by,

Harry Locker, Ph.D.
Laboratory Director

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LABORATORY REPORT

EPA METHOD 8010 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: April 20, 1993
DATE SAMPLED: April 9, 1993
DATE RECEIVED: April 9, 1993
ANALYSIS DATE: April 14, 1993

PROJECT CODE: LACB1406
REF.#: 44,322
STATION: Trip
TIME SAMPLED: 6:30
SAMPLER: James

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
Dichlorodifluoromethane	10	ND[1]
Vinyl Chloride	10	ND
Chloromethane	10	85.0
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	1	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethane	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND

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REF.#: 44,322

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethane-d4 : 106.%
Toluene-d8 : 75.%
4-Bromofluorobenzene : 101.%

NOTES:
1 None detected

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LABORATORY REPORT

EPA METHOD 8010 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: April 20, 1993
DATE SAMPLED: April 9, 1993
DATE RECEIVED: April 9, 1993
ANALYSIS DATE: April 14, 1993

PROJECT CODE: LACB1406
REF.#: 44,328
STATION: MW-1
TIME SAMPLED: 12:45
SAMPLER: James

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
Dichlorodifluoromethane	10	ND[1]
Vinyl Chloride	10	ND
Chloromethane	10	13.8
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	1	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	TBQ[2]
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethane	1	ND
Benzene	1	ND
Trichloroethene	1	8.4
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND

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REF.#: 44,328

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethane-d4 : 117.%
Toluene-d8 : 99.%
4-Bromofluorobenzene : 96.%

NOTES:

1 None detected
2 Trace below quantitation limit

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LABORATORY REPORT

EPA METHOD 8010 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: April 20, 1993
DATE SAMPLED: April 9, 1993
DATE RECEIVED: April 9, 1993
ANALYSIS DATE: April 14, 1993

PROJECT CODE: LACB1406
REF.#: 44,329
STATION: MW-2
TIME SAMPLED: 12:50
SAMPLER: James

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
Dichlorodifluoromethane	10	ND[1]
Vinyl Chloride	10	ND
Chloromethane	10	TBQ[2]
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	1	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	10.1
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethane	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND

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REF.#: 44,329

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethane-d4 : 111.%
Toluene-d8 : 93.%
4-Bromofluorobenzene : 94.%

NOTES:

1 None detected
2 Trace below quantitation limit

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LABORATORY REPORT

EPA METHOD 8010 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: April 20, 1993
DATE SAMPLED: April 9, 1993
DATE RECEIVED: April 9, 1993
ANALYSIS DATE: April 14, 1993

PROJECT CODE: LACB1406
REF.#: 44,330
STATION: MW-3
TIME SAMPLED: 12:56
SAMPLER: James

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
Dichlorodifluoromethane	10	ND[1]
Vinyl Chloride	10	ND
Chloromethane	10	16.3
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	1	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	14.1
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethane	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND

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REF.#: 44,330

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethane-d4 : 101.%
Toluene-d8 : 94.%
4-Bromofluorobenzene : 102.%

NOTES:
1 None detected

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LABORATORY REPORT

EPA METHOD 8010 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: April 20, 1993
DATE SAMPLED: April 9, 1993
DATE RECEIVED: April 9, 1993
ANALYSIS DATE: April 15, 1993

PROJECT CODE: LACB1406
REF.#: 44,334
STATION: MW-4
TIME SAMPLED: 1:20
SAMPLER: James

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
Dichlorodifluoromethane	10	ND[1]
Vinyl Chloride	10	ND
Chloromethane	10	10.1
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	1	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	15.6
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethane	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND

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REF.#: 44,334

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethane-d4 : 97.%
Toluene-d8 : 95.%
4-Bromofluorobenzene : 103.%

NOTES:
1 None detected

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LABORATORY REPORT

EPA METHOD 8010 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: April 20, 1993
DATE SAMPLED: April 9, 1993
DATE RECEIVED: April 9, 1993
ANALYSIS DATE: April 15, 1993

PROJECT CODE: LACB1406
REF.#: 44,335
STATION: MW-4 Dup
TIME SAMPLED: 1:20
SAMPLER: James

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
Dichlorodifluoromethane	10	ND[1]
Vinyl Chloride	10	ND
Chloromethane	10	10.2
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	1	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	14.9
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethane	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND

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Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

REF.#: 44,335

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethane-d4 : 113.%
Toluene-d8 : 98.%
4-Bromofluorobenzene : 92.%

NOTES:
1 None detected

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LABORATORY REPORT

EPA METHOD 8010 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: April 20, 1993
DATE SAMPLED: April 9, 1993
DATE RECEIVED: April 9, 1993
ANALYSIS DATE: April 14, 1993

PROJECT CODE: LACB1406
REF.#: 44,327
STATION: MW-5
TIME SAMPLED: 12:38
SAMPLER: James

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
Dichlorodifluoromethane	10	ND[1]
Vinyl Chloride	10	ND
Chloromethane	10	TBQ[2]
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	1	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	TBQ
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethane	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND

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FAX 879-7103

REF.#: 44,327

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethane-d4 : 112.%
Toluene-d8 : 114.%
4-Bromofluorobenzene : 99.%

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NOTES:

1 None detected
2 Trace below quantitation limit

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LABORATORY REPORT

EPA METHOD 8010 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: April 20, 1993
DATE SAMPLED: April 9, 1993
DATE RECEIVED: April 9, 1993
ANALYSIS DATE: April 14, 1993

PROJECT CODE: LACB1406
REF.#: 44,323
STATION: MW-6
TIME SAMPLED: 12:17
SAMPLER: James

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
Dichlorodifluoromethane	10	ND[1]
Vinyl Chloride	10	ND
Chloromethane	10	TBQ[2]
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	1	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	TBQ
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethane	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND

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REF.#: 44,323

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethane-d4 : 104.%
Toluene-d8 : 101.%
4-Bromofluorobenzene : 105.%

NOTES:

1 None detected
2 Trace below quantitation limit

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LABORATORY REPORT

EPA METHOD 8010 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: April 20, 1993
DATE SAMPLED: April 9, 1993
DATE RECEIVED: April 9, 1993
ANALYSIS DATE: April 14, 1993

PROJECT CODE: LACB1406
REF.#: 44,324
STATION: MW-7
TIME SAMPLED: 12:25
SAMPLER: James

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
Dichlorodifluoromethane	10	ND[1]
Vinyl Chloride	10	ND
Chloromethane	10	TBQ[2]
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	1	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethane	1	ND
Benzene	1	ND
Trichloroethene	1	1.3
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND

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REF.#: 44,324

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethane-d4 : 100.%
Toluene-d8 : 100.%
4-Bromofluorobenzene : 99.%

NOTES:

1 None detected
2 Trace below quantitation limit

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LABORATORY REPORT

EPA METHOD 8010 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: April 20, 1993
DATE SAMPLED: April 9, 1993
DATE RECEIVED: April 9, 1993
ANALYSIS DATE: April 14, 1993

PROJECT CODE: LACB1406
REF.#: 44,326
STATION: MW-8
TIME SAMPLED: 12:09
SAMPLER: James

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
Dichlorodifluoromethane	10	ND[1]
Vinyl Chloride	10	ND
Chloromethane	10	21.7
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	1	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethane	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND

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REF.#: 44,326

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethane-d4 : 97.%
Toluene-d8 : 86.%
4-Bromofluorobenzene : 96.%

NOTES:

1 None detected

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LABORATORY REPORT

EPA METHOD 8010 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: April 20, 1993
DATE SAMPLED: April 9, 1993
DATE RECEIVED: April 9, 1993
ANALYSIS DATE: April 15, 1993

PROJECT CODE: LACB1406
REF.#: 44,332
STATION: MW-9
TIME SAMPLED: 1:25
SAMPLER: James

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
Dichlorodifluoromethane	10	ND[1]
Vinyl Chloride	10	ND
Chloromethane	10	23.1
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	1	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethane	1	ND
Benzene	1	ND
Trichloroethene	1	38.0
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND

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REF.#: 44,332

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethane-d4 : 122.%
Toluene-d8 : 95.%
4-Bromofluorobenzene : 98.%

NOTES:
1 None detected

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LABORATORY REPORT

EPA METHOD 8010 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: April 20, 1993
DATE SAMPLED: April 9, 1993
DATE RECEIVED: April 9, 1993
ANALYSIS DATE: April 15, 1993

PROJECT CODE: LACB1406
REF.#: 44,333
STATION: MW-9 Dup
TIME SAMPLED: 1:25
SAMPLER: James

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
Dichlorodifluoromethane	10	ND[1]
Vinyl Chloride	10	ND
Chloromethane	10	21.8
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	1	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethane	1	ND
Benzene	1	ND
Trichloroethene	1	32.6
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND

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REF.#: 44,333

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethane-d4 : 107.%
Toluene-d8 : 93.%
4-Bromofluorobenzene : 104.%

NOTES:
1 None detected

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LABORATORY REPORT

EPA METHOD 8010 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: April 20, 1993
DATE SAMPLED: April 9, 1993
DATE RECEIVED: April 9, 1993
ANALYSIS DATE: April 14, 1993

PROJECT CODE: LACB1406
REF.#: 44,325
STATION: MW-10
TIME SAMPLED: 12:31
SAMPLER: James

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
Dichlorodifluoromethane	10	ND[1]
Vinyl Chloride	10	ND
Chloromethane	10	TBQ[2]
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	1	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethane	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND

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REF.#: 44,325

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 6

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethane-d4 : 106.%
Toluene-d8 : 99.%
4-Bromofluorobenzene : 102.%

NOTES:

1 None detected
2 Trace below quantitation limit

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LABORATORY REPORT

EPA METHOD 8010 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: April 20, 1993
DATE SAMPLED: April 9, 1993
DATE RECEIVED: April 9, 1993
ANALYSIS DATE: April 14, 1993

PROJECT CODE: LACB1406
REF.#: 44,331
STATION: MW-11
TIME SAMPLED: 1:14
SAMPLER: James

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
Dichlorodifluoromethane	10	ND[1]
Vinyl Chloride	10	ND
Chloromethane	10	22.9
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	1	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethane	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethane	1	ND
Benzene	1	ND
Trichloroethene	1	ND
1,2-Dichloropropane	1	ND
Bromodichloromethane	1	ND

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REF.#: 44,331

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethane-d4 : 104.%
Toluene-d8 : 99.%
4-Bromofluorobenzene : 100.%

NOTES:
1 None detected

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CHAIN-OF-CUSTODY RECORD

006111

Project Name: C.B. Sports Site Location: Bennington	Reporting Address: RD1 Box 710 Bristol, VT 05443	Billing Address: SAME
Endyne Project Number: LACB1[illegible]	Company: LAG Contact Name/Phone #: 453-4354	Sampler Name: James Phone #: 453-4354

Lab #	Sample Location	Matrix	GRAB	COMP	Date/Time	Sample Containers No.	Sample Containers Type/Size	Field Results/Remarks	Analysis Required	Sample Preservation	Rush
44322	Trip	H_2O	✓		4-9-93 6:30 AM	1	40 mill		8010	HCL	
44323	MW-6				12:17	2	40 mill		8010	HCL	
44324	MW-7				12:[illegible]5	2	40 mill		8010	HCL	
44325	MW-10				12:31	2	40 mill		8010	HCL	
44326	MW-5				12:09	2	40 mill		8010	HCL	
44327	MW-5				12:38	2	40 mill		8010	HCL	
44328	MW-1				12:45	2	40 mill		8010	HCL	
44329	MW-2				12:50	2	40 mill		8010	HCL	
44330	MW-3				12:56	2	40 mill		8010	HCL	
44331	MW-11				1:14	2	40 mill		8010	HCL	
44332	MW-9				1:25	2	40 mill		8010	HCL	
44333	MW-9 DUP				1:25	2	40 mill		8010	HCL	

Relinquished by: Signature [signature]	Received by: Signature [signature]	Date/Time 4/9/93 4:15 pm
Relinquished by: Signature	Received by: Signature	Date/Time

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Requested Analyses

1	pH	6	TKN	11	Total Solids	16	Metals (Specify)	21	EPA 624	26	EPA 8270 B/N or Acid
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	EPA 625 B/N or A	27	EPA 8010/8020
3	Ammonia N	8	Total Diss P	13	TDS	18	COD	23	EPA 418.1	28	EPA 8080 Pest/PCB
4	Nitrite N	9	BOD_5	14	Turbidity	19	BTEX	24	EPA 608 Pest/PCB		
5	Nitrate N	10	Alkalinity	15	Conductivity	20	EPA 601/602	25	EPA 8240		
29	TCLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides)										
30	Other (Specify):										

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CHAIN-OF-CUSTODY RECORD

006106

Project Name: C.B. SPORTS Site Location: Bennington	Reporting Address: RD1 Box 710 Brisbane Square	Billing Address: SAME
Endyne Project Number:	Company: LAG Contact Name/Phone #: 455-4554	Sampler Name: JAMES Phone #: 455-4554

Lab #	Sample Location	Matrix	GRAB	COMP	Date/Time	Sample Containers No.	Sample Containers Type/Size	Field Results/Remarks	Analysis Required	Sample Preservation	Rush
44331	MW-4	H2O	X		4-9-93 1:20	2	40 mill		8010	HCL	
44332	MW-4 DUP		X		1:20	2	40 mill		8010	HCL	

Relinquished by: Signature	Received by: Signature	Date/Time 4/9/93 4:15 pm
Relinquished by: Signature	Received by: Signature	Date/Time

LINCOLN APPLIED GEOLOGY, INC.

Requested Analyses

1	pH	6	TKN	11	Total Solids	16	Metals (Specify)	21	EPA 624	26	EPA 8270 B/N or Acid
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	EPA 625 B/N or A	27	EPA 8010/8020
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	EPA 418.1	28	EPA 8080 Pest/PCB
4	Nitrite N	9	BOD	14	Turbidity	19	BTEX	24	EPA 608 Pest/PCB		
5	Nitrate N	10	Alkalinity	15	Conductivity	20	EPA 601/602	25	EPA 8240		
29	TCLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides)										
30	Other (Specify):										

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

REPORT OF LABORATORY ANALYSIS

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
DATE REPORTED: May 10, 1993
DATE SAMPLED: May 4, 1993

PROJECT CODE: LACB1546
REF. #: 45,333 - 45,334

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody record.

Chain of custody indicated samples were preserved with HCl.

Although EPA Method 8010 analysis was requested, due to scheduling constraints the samples were analyzed by equivalent EPA Method 8240.

All samples were prepared and analyzed by requirements outlined in the referenced methods and within the specified holding times.

All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced methods.

Blank contamination was not observed at levels affecting the analytical results.

Analytical method precision and accuracy was monitored by laboratory control standards which included matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits.

Individual sample performance was monitored by the addition of surrogate analytes to each sample. All surrogate data was determined to be within Laboratory QA/QC guidelines unless otherwise noted.

Reviewed by,

Harry B. Locker, Ph.D.
Laboratory Director

enclosures

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
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FAX 879-7103

LABORATORY REPORT

EPA METHOD 8010 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: May 10, 1993
DATE SAMPLED: May 4, 1993
DATE RECEIVED: May 4, 1993
ANALYSIS DATE: May 6, 1993

PROJECT CODE: LACB1546
REF #: 45,333
STATION: Trip Blank
TIME SAMPLED: 6:20
SAMPLER: James

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
Dichlorodifluoromethane	10	ND[1]
Chloromethane	10	ND
Vinyl Chloride	10	ND
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	7	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethene	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethene	1	ND
Benzene	1	ND
Trichloroethene	1	ND
12-Dichloropropane	1	ND
Bromodichloromethane	1	ND

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REF #: 45,333

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS: 0

ANALYTICAL SURROGATE RECOVERY:
1,2-Dichloroethene-d4: 101.%
Toluene-d8: 98.%
4-Bromofluorobenzene: 101.%

Notes:

1 None detected

ENDYNE, INC.

Laboratory Services

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FAX 879-7103

LABORATORY REPORT

EPA METHOD 8010 COMPOUNDS BY EPA METHOD 8240

CLIENT: Lincoln Applied Geology
PROJECT NAME: C.B. Sports
REPORT DATE: May 10, 1993
DATE SAMPLED: May 4, 1993
DATE RECEIVED: May 4, 1993
ANALYSIS DATE: May 6, 1993

PROJECT CODE: LACB1546
REF #: 45,334
STATION: MW-9
TIME SAMPLED: 10:25
SAMPLER: James

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
Dichlorodifluoromethane	10	ND[1]
Chloromethane	10	ND
Vinyl Chloride	10	ND
Bromomethane	5	ND
Chloroethane	5	ND
Trichlorofluoromethane	2	ND
Acetone	50	ND
1,1-Dichloroethene	2	ND
Methylene Chloride	20	ND
Carbon Disulfide	7	ND
MTBE	3	ND
trans-1,2-Dichloroethene	2	ND
1,1-Dichloroethene	2	ND
2-Butanone	20	ND
Chloroform	10	ND
1,1,1-Trichloroethane	1	ND
Carbon Tetrachloride	1	ND
1,2-Dichloroethene	1	ND
Benzene	1	ND
Trichloroethene	1	63.0
12-Dichloropropane	1	ND
Bromodichloromethane	1	ND

ENDYNE, INC.
Laboratory Services
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Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

REF #: 45,334

Parameter	Detection Limit (ug/L)	Concentration (ug/L)
4-Methyl-2-Pentanone	10	ND
cis-1,3-Dichloropropene	1	ND
Toluene	2	ND
trans-1,2-Dichloropropene	1	ND
1,1,2-Trichloroethane	2	ND
2-Hexanone	10	ND
Tetrachloroethene	2	ND
Dibromochloromethane	2	ND
Chlorobenzene	2	ND
Ethyl Benzene	1	ND
Total Xylenes	3	ND
Styrene	1	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	1	ND
1,3 Dichlorobenzene	2	ND
1,4 Dichlorobenzene	2	ND
1,2 Dichlorobenzene	2	ND

NUMBER OF UNIDENTIFIED PEAKS: 0

ANALYTICAL SURROGATE RECOVERY:

1,2-Dichloroethene-d4: 102.%
Toluene-d8: 97.%
4-Bromofluorobenzene: 100.%

Notes:

1 None detected

ENDYNE, INC.

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333

CHAIN-OF-CUSTODY RECORD

006114

Project Name: C·B Sports Site Location: Bennington VT	Reporting Address: RD1 Box 710 Bristol, VT 05443	Billing Address: Same
Endyne Project Number: LACB1346	Company: LAG Contact Name/Phone #: 453-4384	Sampler Name: JAMES Phone #: 453-4384

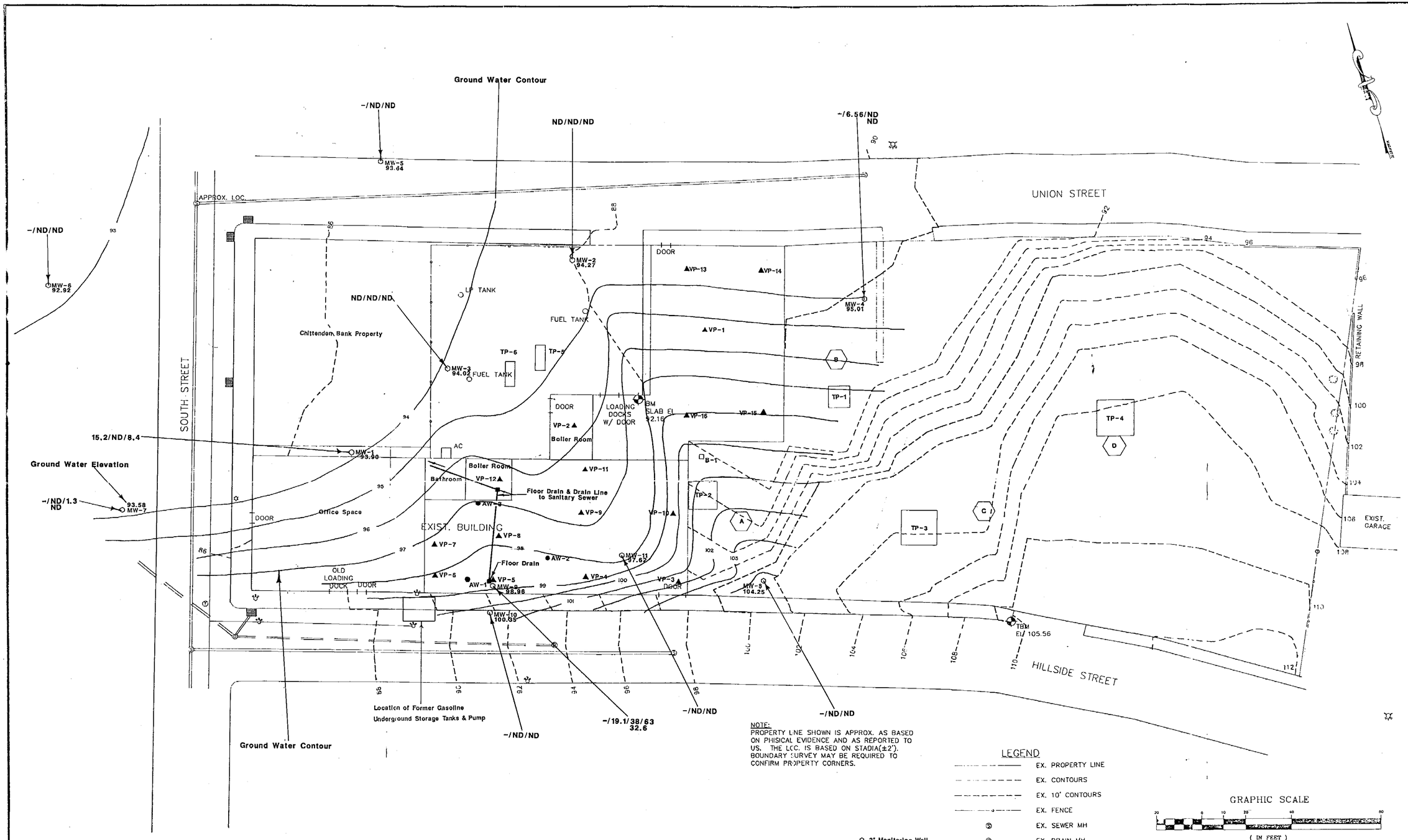
Lab #	Sample Location	Matrix	GRAB	COMP	Date/Time	Sample Containers No.	Sample Containers Type/Size	Field Results/Remarks	Analysis Required	Sample Preservation	Rush
45333	TRIP				5-4-93 6:20	1	40 mil		8010	HCl	
45334	MW-9				10:25	2	40 mil		8010	HCl	

*5 DAY Turn Around

Relinquished by: Signature [signature]	Received by: Signature Tonia M. Chambers	Date/Time 5/4/93 3:05
Relinguished by: Signature	Received by: Signature	Date/Time

Requested Analyses

1	pH	6	TKN	11	Total Solids	16	Metals (Specify)	21	EPA 624	26	EPA 8270 B/N or Acid
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	EPA 625 B/N or A	27	EPA 8010/8020
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	EPA 418.1	28	EPA 8080 Pest/PCB
4	Nitrite N	9	BOD_5	14	Turbidity	19	BTEX	24	EPA 608 Pest/PCB		
5	Nitrate N	10	Alkalinity	15	Conductivity	20	EPA 601/602	25	EPA 8240		
29	TCLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides)										
30	Other (Specify):										



NOTE:
PROPERTY LINE SHOWN IS APPROX. AS BASED ON PHISICAL EVIDENCE AND AS REPORTED TO US. THE LOC. IS BASED ON STADIA(±2'). BOUNDARY SURVEY MAY BE REQUIRED TO CONFIRM PROPERTY CORNERS.

LEGEND

- EX. PROPERTY LINE
- EX. CONTOURS
- EX. 10' CONTOURS
- EX. FENCE
- EX. SEWER MH
- EX. DRAIN MH
- EX. CATCH BASIN
- EX. WATER SHUTOFF
- EX. GAS SHUTOFF
- EX. HYDRANT
- EX. LIGHT POLE
- EX. 12" MAPLE TREE

- 2" Monitoring Well
- Vapor Point
- Soil Boring
- Accessway
- A Former Building Structure Location

GRAPHIC SCALE

20 0 10 20 40 60

(IN FEET)
1 inch = 20 ft.

Trichloroethene(TCE) Concentration Legend

4/9/93
5/4/93
8/8/91
-/19.1/38/63
32.6
10/23/91
Duplicate Result

*The location of all Monitoring Wells, Test Pits, Vapor points, Underground Storage Tanks and interior walls are approximated utilizing the "Grading Plan" submitted to Lincoln Applied Geology, Inc. by Enman Engineering. All modifications to the "Grading Plan" have been performed by Lincoln Applied Geology, Inc. with out review by Enman Engineering.

Upon completion of construction, and prior to building occupancy and the engineer issuing his final construction report, the contractor responsible for construction supervision and management shall certify in writing that all systems were installed in accordance with the approved plans and conditions. Any deviations from the plans must be noted on a set of as-builts and furnished with the certification.

REVISIONS:

HEMMINGS MOTOR NEWS

P.O. BOX 256
BENNINGTON, VT

Enman Engineering
Environmental • Civil • Sanitary
Route 7B • P.O. Box 127
North Clarendon, Vermont 05759
(802)775-3437

THE SIGNATURE BELOW INDICATES MY APPROVAL FOR SUBMITTAL TO THE REVIEW AGENCIES FOR THEIR REVIEW AND PERMIT APPROVALS ONLY. THIS DOCUMENT IS NOT APPROVED FOR CONSTRUCTION UNTIL SUCH TIME AS ALL PERMITS ARE ISSUED, APPROPRIATE APPROVALS ARE GRANTED, AND MY PROFESSIONAL ENGINEERING STAMP IS APPLIED ON THIS DOCUMENT.

REGULATORY APPROVAL STAMP

Figure 1

DETAILED SITE MAP with 4/9/93 Ground Water Contours and Historical Trichloroethene Data

SCALE:	AS NOTED
DATE:	6/27/91
DESIGN BY:	BJE
DRAWN BY:	JBT
SHEET NO:	1 OF 1
PROJECT NO:	8722.06

MAY 17 1993