



Jan 15 10 36 AM '99

January 13, 1999

Ms. Barb Tomlinson
PO Box 425
Morrisville, VT 05661

RE: Results of Confirmatory Soil Sample Analysis, Windshield World, Morrisville, VT,
(VTDEC Site #98-2441)

Dear Ms. Tomlinson:

On December 4, 1998, a Griffin International, Inc., (Griffin) representative screened soils and collected two confirmatory soil samples (designated Excavation Soils #1 and Excavation Soils #2) for laboratory analysis from the bottom of the former underground storage tank (UST) excavation at the above referenced site. These samples were collected as recommended by Griffin in a telephone conversation with Mr. Chuck Schwer of the Vermont Department of Environmental Conservation (VTDEC) and in response to Mr. Schwer's letter, dated November 23, 1998, to you. Before sampling, the soil samples were screened for volatile organic contaminants (VOCs) using an HNu Model HW-101 portable photoionization detector (PID). No VOCs were detected in the soil samples collected from the former tank pit.

The soil samples were analyzed via EPA Method 8260 for VOCs. The laboratory analysis results indicate that no VOCs were detected in either soil sample collected on December 4, 1998. Attached are copies of the laboratory analytical results for the soil samples. These results document the excavation of all contaminated soils from the former UST excavation. Based on these results, the results of the soil screening conducted on December 4, 1998, and the results of the soil screening conducted during the UST removal on July 7, 1998, Griffin recommends that no further investigative action be performed at this site.

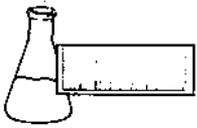
Please call me if you have any questions regarding these results.

Sincerely,

Timothy J. Kelly, PG
Senior Staff Geologist

Enclosures

c: Chuck Schwer, VTDEC
GI#129841458



ENDYNE, INC.

Laboratory Services

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

REPORT OF LABORATORY ANALYSIS

CLIENT: Griffin International
PROJECT NAME: Windshield World/69841288
DATE REPORTED: December 14, 1998
DATE SAMPLED: December 4, 1998

PROJECT CODE: GIWW1949
REF. #: 132,409 - 132,410

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

Chain of custody indicated proper sample preservation.

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.

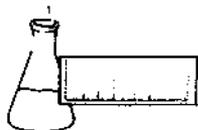
Analytical method precision and accuracy was monitored by laboratory control standards which included matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits.

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

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LABORATORY REPORT

EPA METHOD 8021B COMPOUNDS BY EPA METHOD 8260

CLIENT: Griffin International

PROJECT NAME: Windshield World/69841288

REPORT DATE: December 14, 1998

DATE SAMPLED: December 4, 1998

DATE RECEIVED: December 7, 1998

ANALYSIS DATE: December 11, 1998

PROJECT CODE: GIWW1949

REF.#: 132,409

STATION: UST Excavation Soils #1

TIME SAMPLED: 12:43

SAMPLER: W.J.D.

<u>Parameter</u>	<u>Detection Limit (ug/kg)</u>	<u>Concentration (ug/kg)</u>
Benzene	10	ND ¹
Toluene	10	ND
Ethylbenzene	10	ND
Xylenes	20	ND
MTBE	50	ND
1,2,4-Trimethylbenzene	10	ND
1,3,5-Trimethylbenzene	10	ND
Naphthalene	50	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane: 101.%

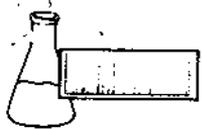
Toluene-d8: 114.%

4-Bromofluorobenzene: 98.%

PERCENT SOLIDS: 96.%

NOTES:

1 None Detected



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LABORATORY REPORT

EPA METHOD 8021B COMPOUNDS BY EPA METHOD 8260

CLIENT: Griffin International

PROJECT NAME: Windshield World/69841288

REPORT DATE: December 14, 1998

DATE SAMPLED: December 4, 1998

DATE RECEIVED: December 7, 1998

ANALYSIS DATE: December 11, 1998

PROJECT CODE: GIWW1949

REF.#: 132,410

STATION: UST Excavation Soils #2

TIME SAMPLED: 12:56

SAMPLER: W.J.D.

<u>Parameter</u>	<u>Detection Limit (ug/kg)</u>	<u>Concentration (ug/kg)</u>
Benzene	10	ND ¹
Toluene	10	ND
Ethylbenzene	10	ND
Xylenes	20	ND
MTBE	50	ND
1,2,4-Trimethylbenzene	10	ND
1,3,5-Trimethylbenzene	10	ND
Naphthalene	50	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane: 102. %
Toluene-d8: 105. %
4-Bromofluorobenzene: 99. %

PERCENT SOLIDS: 96. %

NOTES:

1 None Detected

69841288

CHAIN-OF-CUSTODY RECORD

31018

Project Name: WINDSHIELD WORLD Site Location: MORRISVILLE VT	Reporting Address: GRIFFIN INT'L	Billing Address: GRIFFIN INT'L
Endyne Project Number: GTWW1949	Company: GRIFFIN INT'L Contact Name/Phone #: BETH STOFFORD 865 4298	Sampler Name: WJD Phone #: 865 4288

Lab #	Sample Location	Matrix	G R A B	C O M P	Date/Time	Sample Containers		Field Results/Remarks	Analysis Required	Sample Preservation	Rush
						No.	Type/Size				
132409	VST EXCAVATION SOILS #1	S	✓		12/4/98	2	40Z CLR-90L		EPA 8021 B	ICE	
132410	VST EXCAVATION SOILS #2	S	✓		12/5/98	2	"		"	"	

Relinquished by: Signature <i>Willys Don</i>	Received by: Signature <i>Tim Desrochers</i>	Date/Time 12/4/98 1530
Relinquished by: Signature <i>Tim Desrochers</i>	Received by: Signature <i>W. T. Fernald (CD)</i>	Date/Time 12/7/98 10:00 am

 New York State Project: Yes No 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	TCPLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides)										
30	Other (Specify):										