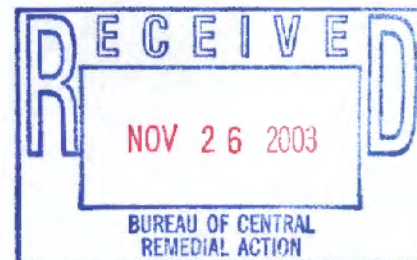


HydroTech**Consulting, LLC**PH: (585) 385-0609
FX: (585) 218-0221
uhtc@rochester.ny.com

November 21, 2003

Mr. Jack Harmon, On-Scene Coordinator
Removal Action Branch
Emergency and Remedial Response Division
U.S. Environmental Protection Agency
Woodbridge Avenue
Edison, New Jersey 08837



Re: Analytical Data Package, November 2003 Sampling Event
Apple Valley Shopping Center Superfund Site, LaGrange, New York

Dear Mr. Harmon:

I am enclosing the analytical data package for the monitoring event that was conducted on November 6 and 7, 2003, by Conrad Geoscience Corp. of Poughkeepsie, NY. The analytical results for this sampling event were received by UHTC on November 15, 2003. The Level 5 deliverables have not yet been received. When they become available, I will forward them to you by email.

We were not given access to Lot 11 for sampling. Ms. Stacy Alben denied access to her property for reasons that are unrelated to this matter. On behalf of James A. Klein and Apple Valley Corporation, David Engel previously discussed this matter with USEPA attorney Douglas Fischer.

The following table provides a summary of the results for influent samples in ug/l. The AVS discharge again had low levels of contaminants. The AVS was clean at the time of sampling, and the discharge met groundwater standards. Our next sampling event at Apple Valley is scheduled for May 2004. If you have any questions, please contact me.

Sincerely,
Upstate HydroTech Consulting, LLC

Theresa A. Beddoe, CPG
Designated Coordinator

Enclosures

Cc: D. Engel
J. Klein
M. MacCabe
G. Heitzman
J. Olm
D. MacDougal

Sample Point	Sample Date	PCE	TCE	Cis-DCE	Vinyl Chloride	MTBE
Lot 10 Upstream	Sept. 2001	7.8	3.4	4.0	ND	18.0
	March 2002	3.7	2.1	2.6	ND	14.0
	Sept. 2002	ND	ND	ND	ND	0.94
	April 2003	2.1	2.2	1.9	ND	6.3
	November 2003	1.8	2.2	2.6	ND	8.4
AVS Influent	Sept. 2001	270	25	25	ND	ND
	March 2002	110	10	9.2	ND	ND
	Sept. 2002	120	13	13	ND	3.7
	April 2003	170	21	25	0.67	1.9
	November 2003	170	15	19	0.52	2.4

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: Upstate Hydrotech Consultants LLC Laboratory Job Number: L0311479
Address: 8 Mill Road
Fairport, NY 14450 Date Received: 11-NOV-2003
Attn: Ms. Theresa A. Beddoe Date Reported: 18-NOV-2003
Project Number: A1-01 Delivery Method: UPS
Site: A1-01

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0311479-01	L-10 MID	POUGHKEEPSIE, NY
L0311479-02	L-10 UP	POUGHKEEPSIE, NY
L0311479-03	AVS-IN	POUGHKEEPSIE, NY
L0311479-04	AVS-EFF	POUGHKEEPSIE, NY
L0311479-05	TRIP BLANK	POUGHKEEPSIE, NY

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0311479

Volatile Organics

L0311479-03 was re-analyzed on dilution in order to quantitate the sample within the range of the calibration. The result is reported as a greater than value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the range of the calibration.

The MS % recoveries for Vinyl Chloride (136%) and Chloroethane (136%) are above the acceptance criteria for the method. The LCS % recoveries are acceptable.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0311479-01

L-10 MID

Sample Matrix:

WATER

Date Collected: 06-NOV-2003 08:44

Date Received : 11-NOV-2003

Date Reported : 18-NOV-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 524.2				16 524.2			1113 12:24 AR
Methylene chloride	ND	ug/l	0.50				
1,1-Dichloroethane	ND	ug/l	0.50				
Chloroform	ND	ug/l	0.50				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	0.50				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.50				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	0.50				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.50				
Ethylbenzene	ND	ug/l	0.50				
p/m-Xylene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	0.50				
Bromomethane	ND	ug/l	0.50				
Vinyl chloride	ND	ug/l	0.50				
Chloroethane	ND	ug/l	0.50				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	0.50				
1,3-Dichlorobenzene	ND	ug/l	0.50				
1,4-Dichlorobenzene	ND	ug/l	0.50				
Styrene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	0.50				
2,2-Dichloropropane	ND	ug/l	0.50				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
1,2,3-Trichloropropane	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0311479-01
L-10 MID

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 524.2 continued				16 524.2	1113 12:24 AR		
Bromochloromethane	ND	ug/l	0.50				
n-Butylbenzene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	0.50				
Hexachlorobutadiene	ND	ug/l	0.50				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	0.50				
n-Propylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	0.50				
1,2,4-Trichlorobenzene	ND	ug/l	0.50				
1,2,4-Trimethylbenzene	ND	ug/l	0.50				
1,3,5-Trimethylbenzene	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	0.50				
p-Chlorotoluene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	0.50				
1,2-Dibromoethane	ND	ug/l	0.50				
1,2-Dibromo-3-chloropropane	ND	ug/l	0.50				
1,3-Dichloropropane	ND	ug/l	0.50				
Methyl tert butyl ether	5.7	ug/l	0.50				
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichlorobenzene-d4	110.	%					
4-Bromofluorobenzene	101.	%					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0311479-02

L-10 UP

Date Collected: 06-NOV-2003 08:50

Date Received : 11-NOV-2003

Sample Matrix:

WATER

Date Reported : 18-NOV-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 524.2				16 524.2		1113 13:27 AR	
Methylene chloride	ND	ug/l	0.50				
1,1-Dichloroethane	ND	ug/l	0.50				
Chloroform	ND	ug/l	0.50				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	0.50				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.50				
Tetrachloroethene	1.8	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	0.50				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.50				
Ethylbenzene	ND	ug/l	0.50				
p/m-Xylene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	0.50				
Bromomethane	ND	ug/l	0.50				
Vinyl chloride	ND	ug/l	0.50				
Chloroethane	ND	ug/l	0.50				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	2.6	ug/l	0.50				
Trichloroethene	2.2	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	0.50				
1,3-Dichlorobenzene	ND	ug/l	0.50				
1,4-Dichlorobenzene	ND	ug/l	0.50				
Styrene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	0.50				
2,2-Dichloropropane	ND	ug/l	0.50				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
1,2,3-Trichloropropane	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0311479-02
L-10 UP

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 524.2 continued				16 524.2	1113 13:27 AR		
Bromochloromethane	ND	ug/l	0.50				
n-Butylbenzene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	0.50				
Hexachlorobutadiene	ND	ug/l	0.50				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	0.50				
n-Propylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	0.50				
1,2,4-Trichlorobenzene	ND	ug/l	0.50				
1,2,4-Trimethylbenzene	ND	ug/l	0.50				
1,3,5-Trimethylbenzene	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	0.50				
p-Chlorotoluene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	0.50				
1,2-Dibromoethane	ND	ug/l	0.50				
1,2-Dibromo-3-chloropropane	ND	ug/l	0.50				
1,3-Dichloropropane	ND	ug/l	0.50				
Methyl tert butyl ether	8.4	ug/l	0.50				
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichlorobenzene-d4	110.	%					
4-Bromofluorobenzene	101.	%					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0311479-03

Date Collected: 07-NOV-2003 11:52

AVS-IN

Date Received : 11-NOV-2003

Sample Matrix:

WATER

Date Reported : 18-NOV-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 524.2				16 524.2		1113 13:58 AR	
Methylene chloride	ND	ug/l	0.50				
1,1-Dichloroethane	ND	ug/l	0.50				
Chloroform	ND	ug/l	0.50				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	0.50				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.50				
Tetrachloroethene	>80	ug/l	0.5				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	0.50				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.50				
Ethylbenzene	ND	ug/l	0.50				
p/m-Xylene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	0.50				
Bromomethane	ND	ug/l	0.50				
Vinyl chloride	0.52	ug/l	0.50				
Chloroethane	ND	ug/l	0.50				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	19.	ug/l	0.50				
Trichloroethene	15.	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	0.50				
1,3-Dichlorobenzene	ND	ug/l	0.50				
1,4-Dichlorobenzene	ND	ug/l	0.50				
Styrene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	0.50				
2,2-Dichloropropane	ND	ug/l	0.50				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
1,2,3-Trichloropropane	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0311479-03
AVS-IN

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 524.2 continued				16 524.2		1113 13:58 AR	
Bromochloromethane	ND	ug/l	0.50				
n-Butylbenzene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	0.50				
Hexachlorobutadiene	ND	ug/l	0.50				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	0.50				
n-Propylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	0.50				
1,2,4-Trichlorobenzene	ND	ug/l	0.50				
1,2,4-Trimethylbenzene	ND	ug/l	0.50				
1,3,5-Trimethylbenzene	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	0.50				
p-Chlorotoluene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	0.50				
1,2-Dibromoethane	ND	ug/l	0.50				
1,2-Dibromo-3-chloropropane	ND	ug/l	0.50				
1,3-Dichloropropane	ND	ug/l	0.50				
Methyl tert butyl ether	2.4	ug/l	0.50				
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichlorobenzene-d4	111.	%					
4-Bromofluorobenzene	105.	%					
Volatile Organics by GC/MS 524.2				16 524.2		1113 16:45 AR	
Tetrachloroethene	170	ug/l	2.5				
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichlorobenzene-d4	109.	%					
4-Bromofluorobenzene	98.0	%					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0311479-04

Date Collected: 07-NOV-2003 11:44

AVS-EFF

Date Received : 11-NOV-2003

Sample Matrix:

WATER

Date Reported : 18-NOV-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 524.2				16 524.2	1113 15:29 AR		
Methylene chloride	ND	ug/l	0.50				
1,1-Dichloroethane	ND	ug/l	0.50				
Chloroform	ND	ug/l	0.50				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	0.50				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.50				
Tetrachloroethene	1.4	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	0.50				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.50				
Ethylbenzene	ND	ug/l	0.50				
p/m-Xylene	ND	ug/l	0.50				
Chloromethane	0.98	ug/l	0.50				
Bromomethane	ND	ug/l	0.50				
Vinyl chloride	ND	ug/l	0.50				
Chloroethane	ND	ug/l	0.50				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	0.97	ug/l	0.50				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	0.50				
1,3-Dichlorobenzene	ND	ug/l	0.50				
1,4-Dichlorobenzene	ND	ug/l	0.50				
Styrene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	0.50				
2,2-Dichloropropane	ND	ug/l	0.50				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
1,2,3-Trichloropropane	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

Laboratory Sample Number: L0311479-04
AVS-EFF

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 524.2 continued				16 524.2		1113 15:29 AR	
Bromochloromethane	ND	ug/l	0.50				
n-Butylbenzene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	0.50				
Hexachlorobutadiene	ND	ug/l	0.50				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	0.50				
n-Propylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	0.50				
1,2,4-Trichlorobenzene	ND	ug/l	0.50				
1,2,4-Trimethylbenzene	ND	ug/l	0.50				
1,3,5-Trimethylbenzene	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	0.50				
p-Chlorotoluene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	0.50				
1,2-Dibromoethane	ND	ug/l	0.50				
1,2-Dibromo-3-chloropropane	ND	ug/l	0.50				
1,3-Dichloropropane	ND	ug/l	0.50				
Methyl tert butyl ether	1.3	ug/l	0.50				
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichlorobenzene-d4	107.	%					
4-Bromofluorobenzene	100.	%					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0311479-05

Date Collected: 15-OCT-2003 15:00

Sample Matrix: TRIP BLANK

Date Received : 11-NOV-2003

Sample Matrix: WATER

Date Reported : 18-NOV-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 524.2				16 524.2	1113 16:00 AR		
Methylene chloride	ND	ug/l	0.50				
1,1-Dichloroethane	ND	ug/l	0.50				
Chloroform	ND	ug/l	0.50				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	0.50				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.50				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	0.50				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.50				
Ethylbenzene	ND	ug/l	0.50				
p/m-Xylene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	0.50				
Bromomethane	ND	ug/l	0.50				
Vinyl chloride	ND	ug/l	0.50				
Chloroethane	ND	ug/l	0.50				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	0.50				
1,3-Dichlorobenzene	ND	ug/l	0.50				
1,4-Dichlorobenzene	ND	ug/l	0.50				
Styrene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	0.50				
2,2-Dichloropropane	ND	ug/l	0.50				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
1,2,3-Trichloropropane	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0311479-05
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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 524.2 continued				16 524.2		1113 16:00 AR	
Bromochloromethane	ND	ug/l	0.50				
n-Butylbenzene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	0.50				
Hexachlorobutadiene	ND	ug/l	0.50				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	0.50				
n-Propylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	0.50				
1,2,4-Trichlorobenzene	ND	ug/l	0.50				
1,2,4-Trimethylbenzene	ND	ug/l	0.50				
1,3,5-Trimethylbenzene	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	0.50				
p-Chlorotoluene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	0.50				
1,2-Dibromoethane	ND	ug/l	0.50				
1,2-Dibromo-3-chloropropane	ND	ug/l	0.50				
1,3-Dichloropropane	ND	ug/l	0.50				
Methyl tert butyl ether	ND	ug/l	0.50				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichlorobenzene-d4	113.	%					
4-Bromofluorobenzene	100.	%					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0311479

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 for sample(s) 01-05 (L0311479-01, WG156423)					
Methylene chloride	ND	ND	ug/l	NC	
1,1-Dichloroethane	ND	ND	ug/l	NC	
Chloroform	ND	ND	ug/l	NC	
Carbon tetrachloride	ND	ND	ug/l	NC	
1,2-Dichloropropane	ND	ND	ug/l	NC	
Dibromochloromethane	ND	ND	ug/l	NC	
1,1,2-Trichloroethane	ND	ND	ug/l	NC	
Tetrachloroethene	ND	ND	ug/l	NC	
Chlorobenzene	ND	ND	ug/l	NC	
Trichlorofluoromethane	ND	ND	ug/l	NC	
1,2-Dichloroethane	ND	ND	ug/l	NC	
1,1,1-Trichloroethane	ND	ND	ug/l	NC	
Bromodichloromethane	ND	ND	ug/l	NC	
trans-1,3-Dichloropropene	ND	ND	ug/l	NC	
cis-1,3-Dichloropropene	ND	ND	ug/l	NC	
Bromoform	ND	ND	ug/l	NC	
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC	
Benzene	ND	ND	ug/l	NC	
Toluene	ND	ND	ug/l	NC	
Ethylbenzene	ND	ND	ug/l	NC	
p/m-Xylene	ND	ND	ug/l	NC	
Chloromethane	ND	ND	ug/l	NC	
Bromomethane	ND	ND	ug/l	NC	
Vinyl chloride	ND	ND	ug/l	NC	
Chloroethane	ND	ND	ug/l	NC	
1,1-Dichloroethene	ND	ND	ug/l	NC	
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	
cis-1,2-Dichloroethene	ND	ND	ug/l	NC	
Trichloroethene	ND	ND	ug/l	NC	
1,2-Dichlorobenzene	ND	ND	ug/l	NC	
1,3-Dichlorobenzene	ND	ND	ug/l	NC	
1,4-Dichlorobenzene	ND	ND	ug/l	NC	
Styrene	ND	ND	ug/l	NC	
o-Xylene	ND	ND	ug/l	NC	
1,1-Dichloropropene	ND	ND	ug/l	NC	
2,2-Dichloropropane	ND	ND	ug/l	NC	
1,1,1,2-Tetrachloroethane	ND	ND	ug/l	NC	
1,2,3-Trichloropropane	ND	ND	ug/l	NC	
Bromochloromethane	ND	ND	ug/l	NC	
n-Butylbenzene	ND	ND	ug/l	NC	
Dichlorodifluoromethane	ND	ND	ug/l	NC	
Hexachlorobutadiene	ND	ND	ug/l	NC	
Isopropylbenzene	ND	ND	ug/l	NC	
p-Isopropyltoluene	ND	ND	ug/l	NC	
Naphthalene	ND	ND	ug/l	NC	
n-Propylbenzene	ND	ND	ug/l	NC	
sec-Butylbenzene	ND	ND	ug/l	NC	
tert-Butylbenzene	ND	ND	ug/l	NC	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0311479

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Volatile Organics by GC/MS 524.2 for sample(s) 01-05 (L0311479-01, WG156423)					
1,2,3-Trichlorobenzene	ND	ND	ug/l	NC	
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC	
1,2,4-Trimethylbenzene	ND	ND	ug/l	NC	
1,3,5-Trimethylbenzene	ND	ND	ug/l	NC	
Bromobenzene	ND	ND	ug/l	NC	
o-Chlorotoluene	ND	ND	ug/l	NC	
p-Chlorotoluene	ND	ND	ug/l	NC	
Dibromomethane	ND	ND	ug/l	NC	
1,2-Dibromoethane	ND	ND	ug/l	NC	
1,2-Dibromo-3-chloropropane	ND	ND	ug/l	NC	
1,3-Dichloropropane	ND	ND	ug/l	NC	
Methyl tert butyl ether	5.7	6.2	ug/l	8	

Surrogate(s)	Recovery				QC Criteria
1,2-Dichlorobenzene-d4	110.	110.	%	0	
4-Bromofluorobenzene	101.	101.	%	0	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0311479

Parameter	% Recovery QC Criteria
Volatile Organics by GC/MS 524.2 SPIKE for sample(s) 01-05 (L0311479-01, WG156423)	
Methylene chloride	117
1,1-Dichloroethane	124
Chloroform	112
Carbon tetrachloride	113
1,2-Dichloropropane	96
Dibromochloromethane	86
1,1,2-Trichloroethane	92
Tetrachloroethene	94
Chlorobenzene	96
Trichlorofluoromethane	119
1,2-Dichloroethane	101
1,1,1-Trichloroethane	101
Bromodichloromethane	96
trans-1,3-Dichloropropene	82
cis-1,3-Dichloropropene	84
Bromoform	93
1,1,2,2-Tetrachloroethane	99
Benzene	96
Toluene	93
Ethylbenzene	96
p/m-Xylene	96
Chloromethane	99
Bromomethane	101
Vinyl chloride	136
Chloroethane	136
1,1-Dichloroethene	126
trans-1,2-Dichloroethene	124
cis-1,2-Dichloroethene	118
Trichloroethene	94
1,2-Dichlorobenzene	95
1,3-Dichlorobenzene	91
1,4-Dichlorobenzene	95
Styrene	93
o-Xylene	92
1,1-Dichloropropene	98
2,2-Dichloropropane	121
1,1,1,2-Tetrachloroethane	96
1,2,3-Trichloropropane	101
Bromochloromethane	100
n-Butylbenzene	98
Dichlorodifluoromethane	106
Hexachlorobutadiene	110
Isopropylbenzene	96
p-Isopropyltoluene	78
Naphthalene	87
n-Propylbenzene	101
sec-Butylbenzene	103
tert-Butylbenzene	100

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0311479

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 524.2 SPIKE for sample(s) 01-05 (L0311479-01, WG156423)		
1,2,3-Trichlorobenzene	103	
1,2,4-Trichlorobenzene	101	
1,2,4-Trimethylbenzene	101	
1,3,5-Trimethylbenzene	98	
Bromobenzene	96	
o-Chlorotoluene	98	
p-Chlorotoluene	98	
Dibromomethane	92	
1,2-Dibromoethane	86	
1,2-Dibromo-3-chloropropane	95	
1,3-Dichloropropane	89	
Methyl tert butyl ether	115	
Surrogate(s)		
1,2-Dichlorobenzene-d4	105	
4-Bromofluorobenzene	104	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0311479

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-05 (WG156423-4)							
Volatile Organics by GC/MS 524.2				16 524.2	1113 11:38 AR		
Methylene chloride	ND	ug/l	0.50				
1,1-Dichloroethane	ND	ug/l	0.50				
Chloroform	ND	ug/l	0.50				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	0.50				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.50				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	0.50				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
Bromoform	ND	ug/l	0.50				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.50				
Ethylbenzene	ND	ug/l	0.50				
p/m-Xylene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	0.50				
Bromomethane	ND	ug/l	0.50				
Vinyl chloride	ND	ug/l	0.50				
Chloroethane	ND	ug/l	0.50				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	0.50				
1,3-Dichlorobenzene	ND	ug/l	0.50				
1,4-Dichlorobenzene	ND	ug/l	0.50				
Styrene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	0.50				
2,2-Dichloropropane	ND	ug/l	0.50				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
1,2,3-Trichloropropane	ND	ug/l	0.50				
Bromochloromethane	ND	ug/l	0.50				
n-Butylbenzene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	0.50				
Hexachlorobutadiene	ND	ug/l	0.50				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	0.50				
n-Propylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0311479

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-05 (WG156423-4)							
Volatile Organics by GC/MS 524.2 continued				16 524.2		1113 11:38 AR	
tert-Butylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	0.50				
1,2,4-Trichlorobenzene	ND	ug/l	0.50				
1,2,4-Trimethylbenzene	ND	ug/l	0.50				
1,3,5-Trimethylbenzene	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	0.50				
o-Chlorotoluene	ND	ug/l	0.50				
p-Chlorotoluene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	0.50				
1,2-Dibromoethane	ND	ug/l	0.50				
1,2-Dibromo-3-chloropropane	ND	ug/l	0.50				
1,3-Dichloropropane	ND	ug/l	0.50				
Methyl tert butyl ether	ND	ug/l	0.50				
Surrogate(s)	Recovery			QC Criteria			
1,2-Dichlorobenzene-d4	108.	%					
4-Bromofluorobenzene	102.	%					

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

16. Methods for the Determination of Organic Compounds in Drinking Water - Supplement II. EPA/600/R-92/129, August 1992.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

CHAIN OF CUSTODY

PAGE OF

Date Rec'd in Lab:

11/11/03

ALPHA Job #:

L0311479

Client Information

Client: Theresa A Beddoe

Address: Upstate HydroTech, 8 Mill Rd.

Fairport, NY 14450

Phone: 585-385-0609

Fax: 585-218-0221

Email: uhtc@rochester.nm.com

☒ These samples have been previously analyzed by Alpha

Project Information

Project Name: Apple Valley

Project Location: Poughkeepsie, NY

Project #: A1-01

Project Manager: Theresa A Beddoe

ALPHA Quote #:

Turn-Around Time

 Standard

☐ **RUSH** (only confirmed if pre-approved!)

Date Due:

11/18/03

Time:

Other Project Specific Requirements/Comments/Detection Limits:

James A. Klein
Apple Valley Corp.
2029 Route 9

Fishkill, NY 12524

[illegible]

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR
PROJECT
MCP ?

Container Type	NOA
----------------	-----

VOA

Preservative

441

Relinquished By:

Date/Time

Received 

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.