

**Operation, Maintenance and Monitoring Report
October 2003**

**NOW Corporation Site
Site 3-14-008**

**Work Assignment No.
D003821-29**

Prepared for:



**SUPERFUND STANDBY PROGRAM
New York State
Department of Environmental Conservation
625 Broadway
Albany, New York 12233**

Prepared by:

**Earth Tech Northeast, Inc.
40 British American Boulevard
Latham, New York 12110**

November 24, 2003

Mr. Carl Hoffman
NYSDEC Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7013

Re: NOW Corporation - Site #3-14-008
Monthly Summary Report – October 2003

Dear Mr. Hoffman:

Enclosed is a monthly summary report for the operation, monitoring and maintenance (OM&M) of the groundwater treatment system at the NOW Corporation site in the Town of Clinton, New York. This report covers the OM&M of the vapor extraction system (VES) and the groundwater pump-and-treat (P&T) system for a 31-day period (**September 30 – October 31, 2003**).

Telephone

518.951.2200

Facsimile

518.951.2300

The P&T and VES systems were online and operational throughout the reporting period. The submersible pump in recovery well TW-3 was offline for the first half of the reporting period, whereas the pump in TW-1 was inoperative for the entire period (details below). Nevertheless, approximately 714,600 gallons of water were treated during the reporting period. Discharge from the treatment system averaged approximately 23,100 gallons per day (gpd). During the prior reporting period, the average discharge was 23,500 gpd.

As of the last day of the reporting period, a total of 34,140,000 gallons of groundwater had been recovered and treated by the system since it became operational.

Table 1 summarizes influent and effluent data for samples collected on October 14, 2003. All effluent discharge requirements were met. A copy of the laboratory data is included in this report. Table 2 summarizes the operation and maintenance data collected on the last day of the reporting period. Table 3 summarizes monitoring well water-level data collected on the sampling date. Table 4 summarizes the VES air sampling data, as well as air-stripper stack emissions (sample PAS).

Earth Tech made two site visits during the reporting period to conduct the required system inspections, maintenance, monitoring well water-level measurements, and monthly sampling. Details follow:

October 14th – Monthly sampling and bi-weekly system inspection. The on-site modem had locked up sometime after September 30, the date of our most recent system inspection, precluding Earth Tech's remote monitoring of system operation. The modem was "reset" on this date, thereby restoring that capability. Technician installed the repaired Red Lion Controls meter in the PLC unit in treatment building, thereby reactivating submersible pump in recovery well TW-3. As



A **tyco** INTERNATIONAL LTD. COMPANY

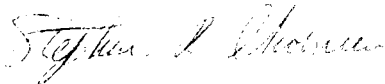
Page 2
Mr. Carl Hoffman
NYSDEC

previously reported, the meter had failed on September 15, shutting off the pump. Technician noted that the Red Lion Controls meter related to the operation of submersible pump TW-1 was displaying a negative water level reading, and the pump was not operating. Pump was taken out of "auto" mode and run "manually" so influent water samples would have a contribution from TW-1. The pump was returned to "auto" mode (effectively shutting it off) after sampling. With remote monitoring capability restored, the datalogger was later downloaded to reveal that the submersible pump in recovery well TW-1 had ceased operating on October 1.

October 31st – Changed oil in VES blower motor. Greased air stripper blower motor. Technician determined that the Red Lion Controls meter was the source of the negative water levels displayed for well TW-1, rather than the in-well pressure transducer. The faulty meter was removed, and shipped out for repair. Successfully tested operation of building propane heater.

Please feel free to contact me at (518) 951-2262 if you have any questions regarding either this report, or the operation of the treatment system.

Sincerely,



Earth Tech Northeast

Stephen R. Choiniere
Project Manager

Attachments

Tables

Table 1
Summary of Influent and Effluent Data
Sampling Date: October 14, 2003
NOW Corporation Site
Town of Clinton, New York

Analytes/ Parameters	Total Influent	Effluent	Recovery Wells			Treatment Requirements	
			TW-1	TW-2A	TW-3	(units)	
Flow		23,052				Monitor	gpd
pH	6.8	7.4	NA	NA	NA	6.5 to 8.5	standard units
TSS	<5	<5	NA	NA	NA	50	mg/L
TDS	260	250	NA	NA	NA	1000	mg/L
Oil and Grease	<1.4	<1.4	NA	NA	NA	15	mg/L
Cyanide	<0.01	<0.01	NA	NA	NA	0.01	mg/L
Zinc	0.004	0.004	NA	NA	NA	0.15	mg/L
Aluminum, Total	0.017	0.022	NA	NA	NA	2	mg/L
Arsenic, Total	<0.004	<0.004	NA	NA	NA	0.05	mg/L
Barium, Total	0.074	0.07	NA	NA	NA	2	mg/L
Copper	0.003	0.003	NA	NA	NA	0.024	mg/L
Chromium	<0.001	<0.001	NA	NA	NA	0.1	mg/L
Iron	0.041	0.043	NA	NA	NA	0.6	mg/L
Manganese	0.228	0.302	NA	NA	NA	0.6	mg/L
Mercury	<0.0002	<0.0002	NA	NA	NA	0.0008	mg/L
Nickel	0.002	0.002	NA	NA	NA	0.2	mg/L
Benzene	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	ug/L
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	5	ug/L
Chloroethane	<0.5	<0.5	0.7	4.7	<0.5	5	ug/L
1,1-Dichloroethane	90	<0.5	60	170	14	5	ug/L
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	ug/L
cis-1,2-Dichloroethene	11	<0.5	2.4	19	<0.5	5	ug/L
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	5	ug/L
1,1-Dichloroethene	26	<0.5	11	46	2.0	0.5	ug/L
Ethylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5	5	ug/L
Methyl tert-butyl ether	<2	<2	<2	<2	<2	None	ug/L
Tetrachloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	1.4	ug/L
Toluene	<0.5	<0.5	<0.5	<0.5	<0.5	5	ug/L
1,1,1-Trichloroethane	420	<0.5	8.7	920	3.9	5	ug/L
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	ug/L
Trichloroethene	180	<0.5	53	340	11	5	ug/L
Vinyl Chloride	3.8	<0.5	<0.5	7.1	<0.5	0.6	ug/L
1,2- and 1,4-Xylenes	<0.5	<0.5	<0.5	<0.5	<0.5	10	ug/L
1,3-Xylene	<0.5	<0.5	<0.5	<0.5	<0.5	5	ug/L

Notes:

- 1) Positive results are presented in **bold** typeface. Numeric values are in units shown in far right column.
- 2) Effluent concentration boxed in **bold** denotes exceedance of treatment requirements.
- 3) NA indicates not analyzed.
- 4) "J" indicates an estimated concentration below the method detection limit.

Table 2
Summary of October 2003 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		10/31/2003	Units
<i>TW-1</i>			
	Pumping Rate	NW	GPM
	Water Level Above Transducer	-	feet
	Flow Meter Reading	832,700	gallons
	Pump Pressure	-	psi
<i>TW-2A</i>			
	Pumping Rate	14	GPM
	Water Level Above Transducer	41.97	feet
	Flow Meter Reading	584,400	gallons
	Pump Pressure	15	psi
<i>TW-3</i>			
	Pumping Rate	5	GPM
	Water Level Above Transducer	34.59	feet
	Flow Meter Reading	7,824,700	gallons
	Pump Pressure	68	psi
<i>Air Stripper</i>			
	Stripper Blower Pressure	18.5	inches H ₂ O
	Air Temperature in Stripper	48	°F
	Pressure Gauge - Left Leg	1.1	inches H ₂ O
	Pressure Gauge - Right Leg	1.2	inches H ₂ O
	Pressure/Vacuum on the Stripper	-	inches H ₂ O
<i>Sand Filter</i>			
	Influent Pressure	-	psi
	Effluent Pressure	-	psi
	<i>Differential Pressure Across Filter</i>	-	psi
<i>Effluent Flow</i>			
	Total System Meter Reading	34,139,800	gallons
	IW-1 Flow Meter Reading	6,881	gallons
	IW-2 Flow Meter Reading	-	gallons
<i>Vapor Extraction System</i>			
	Vapor Blower Vacuum	9	inches Hg
	Vacuum before Filter with Dilution Air	8	inches Hg
	Vacuum on Knock-out Pot	11.5	inches Hg
	Blower Inlet Temperature	64	°F
	Blower Outlet Temperature	185	°F
	Pressure After Blower	42	psi
	Heat Exchanger Outlet Temperature	66	°F

Note: N/A indicates data/measurement is not available.

NW - Not working

Table 3
October 2003 Groundwater Levels

NOW Corporation Site
Town of Clinton, New York

Well ID	MP Elevation	10/14/2003	
		Depth to Water (Ft below MP)	GW Elevation
MW-1	289.50	11.31	278.19
MW-2	332.51	28.55	303.96
MW-3	312.83	25.64	287.19
MW-3S	312.51	23.90	288.61
MW-4	298.29	21.47	276.82
MW-4D	298.16	21.53	276.63
MW-5	285.48	17.91	267.57
MW-6S	287.90	4.58	283.32
MW-6D	287.25	7.87	279.38
MW-7S	292.12	24.88	267.24
MW-7D	292.54	62.97	229.57
OW-1	307.75	46.00	261.75
OW-2	305.96	58.13	247.83
OW-6	294.81	5.42	289.39
IW-1	312.46	8.90	303.56
IW-2	306.56	6.68	299.88
MW-8	283.65	N/A	N/A
MW-9	275.37	N/A	N/A
MW-10	280.92	N/A	N/A
MW-11	283.72	N/A	N/A
OW-3	307.35	N/A	N/A
OW-4	308.30	N/A	N/A
OW-5	307.41	N/A	N/A
TW-2	290.52	N/A	N/A

*Note: N/A indicates groundwater level was not measured.
MP denotes measuring point.*

Table 4
Groundwater Treatment System Air Sampling Data
Sampling Date: October 14, 2003

NOW Corporation Site
Town of Clinton, New York

Analyte	TW-1VE		VE-1VE		VE-2VE		TW-2AVE		ST-1		PAS		SVE-EXH		ST-4	
	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Vinyl Chloride	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	10.0	ND	1.0	ND	1.0
Chloroethane	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	10.0	ND	1.0	ND	1.0
1,1-Dichloroethene	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	32.0	10.0	2.2	1.0	3.0	1.0
1,1-Dichloroethane	ND	1.0	ND	1.0	ND	1.0	ND	1.0	4.6	1.0	310.0	10.0	7.9	1.0	ND	1.0
cis-1,2-Dichloroethene	ND	1.0	ND	1.0	ND	1.0	ND	1.0	1.3	1.0	19.0	10.0	ND	1.0	ND	1.0
1,1,1-Trichloroethane	2.3	1.0	2.7	1.0	3.5	1.0	4.8	1.0	21.0	1.0	1200.0	10.0	ND	1.0	ND	1.0
Benzene	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	10.0	ND	1.0	ND	1.0
1,2-Dichloroethane	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	10.0	ND	1.0	ND	1.0
Trichloroethene	29.0	1.0	30.0	1.0	30.0	1.0	31.0	1.0	48.0	1.0	550.0	10.0	ND	1.0	ND	1.0
Toluene	2.1	1.0	1.9	1.0	2.1	1.0	2.6	1.0	2.0	1.0	ND	10.0	2.1	1.0	2.9	1.0
1,1,2-Trichloroethane	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	10.0	ND	1.0	ND	1.0
Tetrachloroethene	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	18.0	10.0	ND	1.0	ND	1.0
Chlorobenzene	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	10.0	ND	1.0	ND	1.0
Ethylbenzene	ND	1.0	ND	1.0	ND	1.0	1.1	1.0	ND	1.0	ND	10.0	ND	1.0	ND	1.0
p&m -Xylene	2.3	1.0	1.7	1.0	2.7	1.0	4.0	1.0	2.4	1.0	ND	10.0	2.6	1.0	2.3	1.0
o-Xylene	1.3	1.0	ND	1.0	1.3	1.0	1.8	1.0	ND	1.0	ND	10.0	1.1	1.0	ND	1.0

Notes:

- 1) All results are reported in ppbv.
- 2) Positive results are presented in **bold** typeface.
- 3) ND indicates Not Detected (Below RL).
- 4) RL = Reporting Limit

Sample IDs:

TW-1VE = Well TW-1 Dual-Phase Vapor Extraction	ST-1 = Sampling Tap #1 (Raw; Four Vapor Extraction Wells Combined)
TW-2AVE = Well TW-2A Dual-Phase Vapor Extraction	SVE-EXH = Intermediate Sampling Tap, Between (2) 55-gal. drum carbon adsorbers
VE-1VE = Well VE-1 Vapor Extraction	ST-4 = Sampling Tap #4 (Final, After 2nd Carbon Adsorber)
VE-2VE = Well VE-2 Vapor Extraction	PAS = Air-stripper stack emissions

Analytical Data



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045-0370
Tel. (860) 645-1102 Fax (860) 645-0823

Thursday, November 06, 2003

Earthtech
40 British American Blvd
Latham NY 12110

Attention: Mr Steve Chroiniere

Sample ID#: AF14132-14133

This laboratory is in compliance with the QA/QC procedure outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, and SW846 QA/QC requirements of procedures used.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
NY Lab Registration #11301
RI Lab Registration #63
NH Lab Registration #213693-A,B
ME Lab Registration #CT-007
NJ Lab Registration #CT-003



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 06, 2003

FOR: Attn:
Earthtech Inc
40 British American Boulevard
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: RUST-ENV
Rush Request:
P.O.#: ADD ON

Custody Information

Collected by: BS
Received by: KJB
Analyzed by: see "By" below

Date Time

10/14/03 11:45
10/15/03 10:15

Laboratory Data

SDG I.D.: GAF14132
Phoenix I.D.: AF14132

Client ID: NOW CORP EFFLUENT

Parameter	Result	RL	Units	Date	Time	By	Reference
Aluminum	0.022	0.01	mg/L	10/17/03		EK	200.7/6010
Arsenic (Furnace)	BDL	0.004	mg/L	10/16/03		RS	206.2
Barium	0.07	0.002	mg/L	10/17/03		EK	6010/E200.7
Chromium	BDL	0.001	mg/L	10/17/03		EK	200.7/6010
Copper	0.003	0.001	mg/L	10/17/03		EK	6010/E200.7
Iron	0.043	0.002	mg/L	10/17/03		EK	6010/E200.7
Mercury	BDL	0.0002	mg/L	10/17/03		RS	7470/E245.1
Manganese	0.302	0.001	mg/L	10/17/03		EK	200.7/6010
Nickel	0.002	0.001	mg/L	10/17/03		EK	200.7/6010
Zinc	0.004	0.002	mg/L	10/17/03		EK	200.7/6010
Oil and Grease by EPA 1664	BDL	1.4	mg/L	10/20/03		SD	EPA 1664
Total Cyanide	BDL	0.01	mg/L	10/17/03		PJ	9010/335.3
Tot. Diss. Solids	250	5	mg/L	10/16/03		CF	SM2540C
Total Suspended Solids	BDL	5	mg/L	10/16/03		CF	SM2540D
Mercury Digestion	Completed			10/17/03		TR	E245.1
Total Metals Digestion	Completed			10/15/03		AG	

Volatiles

1,1,1-Trichloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
1,1,2-Trichloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
1,1-Dichloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
1,1-Dichloroethene	ND	0.5	ug/L	10/16/03		RM	SW8260
1,2-Dichloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
Benzene	ND	0.5	ug/L	10/16/03		RM	SW8260
Chlorobenzene	ND	0.5	ug/L	10/16/03		RM	SW8260

Client ID: NOW CORP EFFLUENT

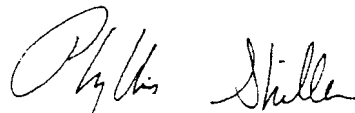
Phoenix I.D.: AF14132

Parameter	Result	RL	Units	Date	Time	By	Reference
Chloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
cis-1,2-Dichloroethene	ND	0.5	ug/L	10/16/03		RM	SW8260
Ethylbenzene	ND	0.5	ug/L	10/16/03		RM	SW8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	10/16/03		RM	SW8260
o-Xylene	ND	0.5	ug/L	10/16/03		RM	SW8260
p&m-Xylene	ND	0.5	ug/L	10/16/03		RM	SW8260
Tetrachloroethene	ND	0.5	ug/L	10/16/03		RM	SW8260
Toluene	ND	0.5	ug/L	10/16/03		RM	SW8260
trans-1,2-Dichloroethene	ND	0.5	ug/L	10/16/03		RM	SW8260
Trichloroethene	ND	0.5	ug/L	10/16/03		RM	SW8260
Vinyl chloride	ND	0.5	ug/L	10/16/03		RM	SW8260
<u>QA/QC Surrogates</u>							
%4-Bromofluorobenzene (Surrogate)	85		%	10/16/03		RM	SW8260

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director

November 06, 2003



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 06, 2003

FOR: Attn:
Earthtech Inc
40 British American Boulevard
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: RUST-ENV
Rush Request:
P.O.#: ADD ON

Custody Information

Collected by: BS
Received by: KJB
Analyzed by: see "By" below

Date Time

10/14/03 11:50
10/15/03 10:15

Laboratory Data

SDG I.D.: GAF14132
Phoenix I.D.: AF14133

Client ID: NOW CORP INFLUENT

Parameter	Result	RL	Units	Date	Time	By	Reference
Aluminum	0.017	0.01	mg/L	10/17/03		EK	200.7/6010
Arsenic (Furnace)	BDL	0.004	mg/L	10/16/03		RS	206.2
Barium	0.074	0.002	mg/L	10/17/03		EK	6010/E200.7
Chromium	BDL	0.001	mg/L	10/17/03		EK	200.7/6010
Copper	0.003	0.001	mg/L	10/17/03		EK	6010/E200.7
Iron	0.041	0.002	mg/L	10/17/03		EK	6010/E200.7
Mercury	BDL	0.0002	mg/L	10/17/03		RS	7470/E245.1
Manganese	0.228	0.001	mg/L	10/17/03		EK	200.7/6010
Nickel	0.002	0.001	mg/L	10/17/03		EK	200.7/6010
Zinc	0.004	0.002	mg/L	10/17/03		EK	200.7/6010
Oil and Grease by EPA 1664	BDL	1.4	mg/L	10/20/03		SD	EPA 1664
Total Cyanide	BDL	0.01	mg/L	10/17/03		PJ	9010/335.3
Tot. Diss. Solids	260	5	mg/L	10/16/03		CF	SM2540C
Total Suspended Solids	BDL	5	mg/L	10/16/03		CF	SM2540D
Mercury Digestion	Completed			10/17/03		TR	E245.1
Total Metals Digestion	Completed			10/15/03		AG	

Volatiles

1,1,1-Trichloroethane	420	10	ug/L	10/16/03		RM	SW8260
1,1,2-Trichloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
1,1-Dichloroethane	90	10	ug/L	10/16/03		RM	SW8260
1,1-Dichloroethene	26	0.5	ug/L	10/16/03		RM	SW8260
1,2-Dichloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
Benzene	ND	0.5	ug/L	10/16/03		RM	SW8260
Chlorobenzene	ND	0.5	ug/L	10/16/03		RM	SW8260

Client ID: NOW CORP INFLUENT

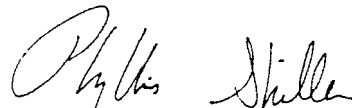
Phoenix I.D.: AF14133

Parameter	Result	RL	Units	Date	Time	By	Reference
Chloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
cis-1,2-Dichloroethene	11	0.5	ug/L	10/16/03		RM	SW8260
Ethylbenzene	ND	0.5	ug/L	10/16/03		RM	SW8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	10/16/03		RM	SW8260
o-Xylene	ND	0.5	ug/L	10/16/03		RM	SW8260
p&m-Xylene	ND	0.5	ug/L	10/16/03		RM	SW8260
Tetrachloroethene	ND	0.5	ug/L	10/16/03		RM	SW8260
Toluene	ND	0.5	ug/L	10/16/03		RM	SW8260
trans-1,2-Dichloroethene	ND	0.5	ug/L	10/16/03		RM	SW8260
Trichloroethene	180	10	ug/L	10/16/03		RM	SW8260
Vinyl chloride	3.8	0.5	ug/L	10/16/03		RM	SW8260
<u>QA/QC Surrogates</u>							
%4-Bromofluorobenzene (Surrogate)	89		%	10/16/03		RM	SW8260

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
November 06, 2003



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2003

FOR: Attn:
Earthtech Inc
40 British American Boulevard
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: RUST-ENV
Rush Request:
P.O.#:

Custody Information

Collected by: BS
Received by: KJB
Analyzed by: see "By" below

Date Time

10/14/03 12:00
10/15/03 10:15

Laboratory Data

SDG I.D.: GAF14132
Phoenix I.D.: AF14134

Client ID: NOW CORP TW-1

Parameter	Result	RL	Units	Date	Time	By	Reference
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Volatiles

1,1,1-Trichloroethane	8.7	0.5	ug/L	10/16/03		RM	SW8260
1,1,2-Trichloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
1,1-Dichloroethane	60	0.5	ug/L	10/16/03		RM	SW8260
1,1-Dichloroethene	11	0.5	ug/L	10/16/03		RM	SW8260
1,2-Dichloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
Benzene	ND	0.5	ug/L	10/16/03		RM	SW8260
Chlorobenzene	ND	0.5	ug/L	10/16/03		RM	SW8260
Chloroethane	0.7	0.5	ug/L	10/16/03		RM	SW8260
cis-1,2-Dichloroethene	2.4	0.5	ug/L	10/16/03		RM	SW8260
Ethylbenzene	ND	0.5	ug/L	10/16/03		RM	SW8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	10/16/03		RM	SW8260
o-Xylene	ND	0.5	ug/L	10/16/03		RM	SW8260
p&m-Xylene	ND	0.5	ug/L	10/16/03		RM	SW8260
Tetrachloroethene	ND	0.5	ug/L	10/16/03		RM	SW8260
Toluene	ND	0.5	ug/L	10/16/03		RM	SW8260
trans-1,2-Dichloroethene	ND	0.5	ug/L	10/16/03		RM	SW8260
Trichloroethene	53	0.5	ug/L	10/16/03		RM	SW8260
Vinyl chloride	ND	0.5	ug/L	10/16/03		RM	SW8260

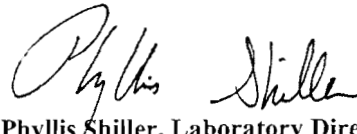
QA/QC Surrogates

%4-Bromofluorobenzene (Surrogate)	86		%	10/16/03		RM	SW8260
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Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in cursive script, reading "Phyllis Shiller".

Phyllis Shiller, Laboratory Director

October 21, 2003



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2003

FOR: Attn:
Earthtech Inc
40 British American Boulevard
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: RUST-ENV
Rush Request:
P.O.#:

Custody Information

Collected by: BS
Received by: KJB
Analyzed by: see "By" below

Date

10/14/03
10/15/03

Time

11:55
10:15

Laboratory Data

SDG I.D.: GAF14132
Phoenix I.D.: AF14135

Client ID: NOW CORP TW-2A

Parameter	Result	RL	Units	Date	Time	By	Reference
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Volatiles

1,1,1-Trichloroethane	920	10	ug/L	10/16/03		RM	SW8260
1,1,2-Trichloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
1,1-Dichloroethane	170	10	ug/L	10/16/03		RM	SW8260
1,1-Dichloroethene	46	0.5	ug/L	10/16/03		RM	SW8260
1,2-Dichloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
Benzene	ND	0.5	ug/L	10/16/03		RM	SW8260
Chlorobenzene	ND	0.5	ug/L	10/16/03		RM	SW8260
Chloroethane	4.7	0.5	ug/L	10/16/03		RM	SW8260
cis-1,2-Dichloroethene	19	0.5	ug/L	10/16/03		RM	SW8260
Ethylbenzene	ND	0.5	ug/L	10/16/03		RM	SW8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	10/16/03		RM	SW8260
o-Xylene	ND	0.5	ug/L	10/16/03		RM	SW8260
p&m-Xylene	ND	0.5	ug/L	10/16/03		RM	SW8260
Tetrachloroethene	ND	0.5	ug/L	10/16/03		RM	SW8260
Toluene	ND	0.5	ug/L	10/16/03		RM	SW8260
trans-1,2-Dichloroethene	ND	0.5	ug/L	10/16/03		RM	SW8260
Trichloroethene	340	10	ug/L	10/16/03		RM	SW8260
Vinyl chloride	7.1	0.5	ug/L	10/16/03		RM	SW8260

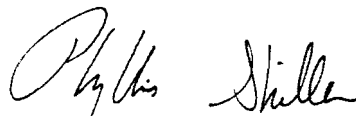
QA/QC Surrogates

%4-Bromofluorobenzene (Surrogate)	87		%	10/16/03		RM	SW8260
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Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller, Laboratory Director

October 21, 2003



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2003

FOR: Attn:
Earthtech Inc
40 British American Boulevard
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: RUST-ENV
Rush Request:
P.O.#:

Custody Information

Collected by: BS
Received by: KJB
Analyzed by: see "By" below

Date Time

10/14/03 12:05
10/15/03 10:15

Laboratory Data

SDG I.D.: GAF14132
Phoenix I.D.: AF14136

Client ID: NOW CORP TW-3

Parameter	Result	RL	Units	Date	Time	By	Reference
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Volatiles

1,1,1-Trichloroethane	3.9	0.5	ug/L	10/17/03		RM	SW8260
1,1,2-Trichloroethane	ND	0.5	ug/L	10/17/03		RM	SW8260
1,1-Dichloroethane	14	0.5	ug/L	10/17/03		RM	SW8260
1,1-Dichloroethene	2.0	0.5	ug/L	10/17/03		RM	SW8260
1,2-Dichloroethane	ND	0.5	ug/L	10/17/03		RM	SW8260
Benzene	ND	0.5	ug/L	10/17/03		RM	SW8260
Chlorobenzene	ND	0.5	ug/L	10/17/03		RM	SW8260
Chloroethane	ND	0.5	ug/L	10/17/03		RM	SW8260
cis-1,2-Dichloroethene	ND	0.5	ug/L	10/17/03		RM	SW8260
Ethylbenzene	ND	0.5	ug/L	10/17/03		RM	SW8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	10/17/03		RM	SW8260
o-Xylene	ND	0.5	ug/L	10/17/03		RM	SW8260
p&m-Xylene	ND	0.5	ug/L	10/17/03		RM	SW8260
Tetrachloroethene	ND	0.5	ug/L	10/17/03		RM	SW8260
Toluene	ND	0.5	ug/L	10/17/03		RM	SW8260
trans-1,2-Dichloroethene	ND	0.5	ug/L	10/17/03		RM	SW8260
Trichloroethene	11	0.5	ug/L	10/17/03		RM	SW8260
Vinyl chloride	ND	0.5	ug/L	10/17/03		RM	SW8260

QA/QC Surrogates

%4-Bromofluorobenzene (Surrogate)	79		%	10/17/03		RM	SW8260
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Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller, Laboratory Director

October 21, 2003



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 21, 2003

FOR: Attn:
Earthtech Inc
40 British American Boulevard
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: RUST-ENV
Rush Request:
P.O.#:

Custody Information

Collected by: BS
Received by: KJB
Analyzed by: see "By" below

Date

10/14/03
10/15/03

Time

0:00
10:15

Laboratory Data

SDG I.D.: GAF14132

Phoenix I.D.: AF14137

Client ID: NOW CORP TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
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Volatiles

1,1,1-Trichloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
1,1,2-Trichloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
1,1-Dichloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
1,1-Dichloroethene	ND	0.5	ug/L	10/16/03		RM	SW8260
1,2-Dichloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
Benzene	ND	0.5	ug/L	10/16/03		RM	SW8260
Chlorobenzene	ND	0.5	ug/L	10/16/03		RM	SW8260
Chloroethane	ND	0.5	ug/L	10/16/03		RM	SW8260
cis-1,2-Dichloroethene	ND	0.5	ug/L	10/16/03		RM	SW8260
Ethylbenzene	ND	0.5	ug/L	10/16/03		RM	SW8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	10/16/03		RM	SW8260
o-Xylene	ND	0.5	ug/L	10/16/03		RM	SW8260
p&m-Xylene	ND	0.5	ug/L	10/16/03		RM	SW8260
Tetrachloroethene	ND	0.5	ug/L	10/16/03		RM	SW8260
Toluene	ND	0.5	ug/L	10/16/03		RM	SW8260
trans-1,2-Dichloroethene	ND	0.5	ug/L	10/16/03		RM	SW8260
Trichloroethene	ND	0.5	ug/L	10/16/03		RM	SW8260
Vinyl chloride	ND	0.5	ug/L	10/16/03		RM	SW8260

QA/QC Surrogates

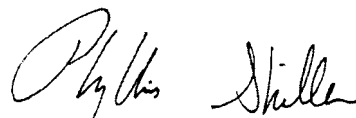
%4-Bromofluorobenzene (Surrogate)	92		%	10/16/03		RM	SW8260
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Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

TRIP BLANK INCLUDED.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller, Laboratory Director

October 21, 2003



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

October 21, 2003

QA/QC Data

SDG I.D.: GAF14132

Parameter	Blank	LCS %	Dup RPD	MS Rec %	MS Dup Rec %	RPD
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QA/QC Batch Sample No: AF12104 (AF14132, AF14133)

Mercury	BDL		NR	100	110	9.5
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QA/QC Batch Sample No: AF14242 (AF14132, AF14133)

Arsenic	BDL	99	NC	84		NC
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QA/QC Batch Sample No: AF14242 (AF14132, AF14133)

ICP Metals - Aqueous

Aluminum	BDL	103	1	99.4	99.1	0.3
Antimony	BDL	98.4	NC	98.6	98.7	0.1
Arsenic	BDL	96.2	NC	96.3	96.7	0.4
Barium	BDL	101	NC	99.1	99.6	0.5
Beryllium	BDL	98.0	NC	97.4	97.4	0.0
Boron	BDL		BDL			
Cadmium	BDL	103	NC	101	101	0.0
Calcium	BDL		BDL			
Chromium	BDL	97.3	NC	98.0	97.0	1.0
Cobalt	BDL	99.5	NC	98.4	98.2	0.2
Copper	0.001	99.2	NC	98.4	98.2	0.2
Iron	BDL	98.2	1.9	97.2	97.0	0.2
Lead	BDL	102	NC	101	101	0.0
Magnesium	BDL		BDL			
Manganese	BDL	99.5	NC	99.1	98.7	0.4
Molybdenum	BDL		BDL			
Nickel	BDL	101	NC	99.7	99.3	0.4
Phosphorus	BDL		BDL			
Selenium	BDL	96.2	NC	96.7	97.2	0.5
Silver	BDL	104	NC	100	98.8	1.2
Thallium	BDL	95.2	NC	93.9	94.3	0.4
Tin	BDL		BDL			
Vanadium	BDL	97.6	NC	96.6	96.6	0.0
Zinc	BDL	97.4	NC	96.6	96.6	0.0

QA/QC Batch Sample No: AF14242 (AF14132, AF14133)

Lead Analysis by Furnace	BDL	104	NC	108		NC
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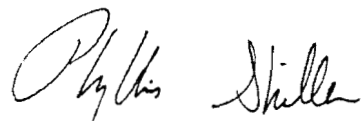
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

RPD - Relative Percent Difference

LCS - Laboratory Control Sample



Phyllis Shiller, Laboratory Director

October 21, 2003



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

October 21, 2003

QA/QC Data

SDG I.D.: GAF14132

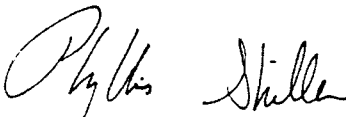
Parameter	Blank	LCS Rec %	MS Rec %	RPD
QA/QC Batch Sample No: AF12843 (AF14132, AF14133)				
Total Cyanide	BDL	101	116	11.0
QA/QC Batch Sample No: AF13733 (AF14132, AF14133)				
Oil and Grease by EPA 1664	BDL	85		NR
QA/QC Batch Sample No: AF14132 (AF14132, AF14133)				
Tot. Diss. Solids	BDL	101	NR	3.9
QA/QC Batch Sample No: AF14132 (AF14132, AF14133)				
Total Suspended Solids	BDL	110	NR	NC

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

LCS - Laboratory Control Sample

MS - Matrix Spike

RPD - Relative Percent Difference
Between Sample and Sample Duplicate


Phyllis Shiller, Laboratory Director
October 21, 2003



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

October 21, 2003

QA/QC Data

SDG I.D.: GAF14132

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch Sample No: AF14158 (AF14132, AF14134, AF14135, AF14137)					
Volatiles Organics					
1,1,1,2-Tetrachloroethane	ND	99			
1,1,1-Trichloroethane	ND	110			
1,1,1,2-Tetrachloroethane	ND	91			
1,1,2-Trichloroethane	ND	99			
1,1-Dichloroethane	ND	89			
1,1-Dichloroethene	ND	111	113	106	6.4
1,1-Dichloropropene	ND	110			
1,2,3-Trichlorobenzene	ND	90			
1,2,3-Trichloropropane	ND	90			
1,2,3-Trimethylbenzene	ND				
1,2,4-Trichlorobenzene	ND	114			
1,2,4-Trimethylbenzene	ND	99			
1,2-Dibromo-3-chloropropane	ND	105			
1,2-Dichlorobenzene	ND	94			
1,2-Dichloroethane	ND	93			
1,2-Dichloropropane	ND	98			
1,3,5-Trimethylbenzene	ND	101			
1,3-Dichlorobenzene	ND	98			
1,3-Dichloropropane	ND	99			
1,4-Dichlorobenzene	ND	99			
1,2-Dichloropropane	ND	131			
2-Chlorotoluene	ND	101			
4-Chlorotoluene	ND	98			
Benzene	ND	100	103	97	6.0
Bromobenzene	ND	96			
Bromochloromethane	ND	96			
Bromodichloromethane	ND	100			
Bromoform	ND	97			
Bromomethane	ND	125			
Carbon Tetrachloride	ND	107			
Chlorobenzene	ND	100	104	95	9.0
Chloroethane	ND	108			

QA/QC Data

SDG I.D.: GAF14132

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Chloroform	ND	99			
Chloromethane	ND	126			
cis-1,2-Dichloroethene	ND	104			
cis-1,3-Dichloropropene	ND	98			
Dibromochloromethane	ND	101			
Dibromoethane	ND	95			
Dibromomethane	ND	90			
Dichlorodifluoromethane	ND				
Ethylbenzene	ND	104			
Hexachlorobutadiene	ND	112			
Isopropylbenzene	ND	104			
m&p-Xylene	ND	100			
Methyl t Butyl Ether (MTBE)	ND				
Methylene Chloride	ND	99			
n-Butylbenzene	ND	119			
n-Propylbenzene	ND	102			
Naphthalene	ND	107			
o-Xylene	ND	104			
p-Isopropyltoluene	ND	107			
sec-Butylbenzene	ND	95			
Styrene	ND	107			
tert-Butylbenzene	ND	100			
Tetrachloroethene	ND	109			
Toluene	ND	104	101	96	5.1
Total Trihalomethanes (TTHM)	ND				
trans-1,2-Dichloroethene	ND	105			
trans-1,3-Dichloropropene	ND	102			
Trichloroethene	ND	103	109	97	11.7
Trichlorofluoromethane	ND	116			
Vinyl Chloride	ND	111			
p-Bromofluorobenzene	92	100	84	82	2.4

Comment: LFB was analyzed with this batch instead of MS/MSD

QA/QC Batch Sample No: AF14696 (AF14132, AF14133, AF14134, AF14135, AF14136, AF14137)

Volatiles Organics

1,1,1,2-Tetrachloroethane	ND	99			
1,1,1-Trichloroethane	ND	110			
1,1,2,2-Tetrachloroethane	ND	91			
1,1,2-Trichloroethane	ND	99			
1,2-Dichloroethane	ND	89			
1,1-Dichloroethene	ND	111	101	106	4.8
1,3-Dichloropropene	ND	110			

QA/QC Data

SDG I.D.: GAF14132

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
1,2,3-Trichlorobenzene	ND	90			
1,2,3-Trichloropropane	ND	90			
1,2,3-Trimethylbenzene	ND				
1,2,4-Trichlorobenzene	ND	114			
1,2,4-Trimethylbenzene	ND	99			
1,2-Dibromo-3-chloropropane	ND	105			
1,2-Dichlorobenzene	ND	94			
1,2-Dichloroethane	ND	93			
1,2-Dichloropropane	ND	98			
1,3,5-Trimethylbenzene	ND	101			
1,3-Dichlorobenzene	ND	98			
1,3-Dichloropropane	ND	99			
1,4-Dichlorobenzene	ND	99			
1,2-Dichloropropane	ND	131			
2-Chlorotoluene	ND	101			
4-Chlorotoluene	ND	98			
Benzene	ND	100	103	106	2.9
Bromobenzene	ND	96			
Bromochloromethane	ND	96			
Bromodichloromethane	ND	100			
Bromoform	ND	97			
Bromomethane	ND	125			
Carbon Tetrachloride	ND	107			
Chlorobenzene	ND	100	103	95	8.1
Chloroethane	ND	108			
Chloroform	ND	99			
Chloromethane	ND	126			
cis-1,2-Dichloroethene	ND	104			
cis-1,3-Dichloropropene	ND	98			
Dibromochloromethane	ND	101			
Dibromoethane	ND	95			
Dibromomethane	ND	90			
Dichlorodifluoromethane	ND				
Ethylbenzene	ND	104			
Hexachlorobutadiene	ND	112			
Isopropylbenzene	ND	104			
m&p-Xylene	ND	100			
Methyl t Butyl Ether (MTBE)	ND				
Methylene Chloride	ND	99			
n-Butylbenzene	ND	119			
n-Propylbenzene	ND	102			
Naphthalene	ND	107			

QA/QC Data

SDG I.D.: GAF14132

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
m-Xylene	ND	104			
p-Isopropyltoluene	ND	107			
m-Butylbenzene	ND	95			
Styrene	ND	107			
tert-Butylbenzene	ND	100			
tetrachloroethene	ND	109			
Toluene	ND	104	101	96	5.1
Total Trihalomethanes (TTHM)	ND				
trans-1,2-Dichloroethene	ND	105			
trans-1,3-Dichloropropene	ND	102			
Trichloroethene	ND	103	109	97	11.7
Trichlorofluoromethane	ND	116			
Vinyl Chloride	ND	111			
p-Bromofluorobenzene	92	100	84	82	2.4

Comment: LFB was analyzed with this batch instead of MS/MSD

QA/QC Batch Sample No: AF15066 (AF14135, AF14136)

Volatiles Organics

1,1,1,2-Tetrachloroethane	ND	95			
1,1,1-Trichloroethane	ND	100			
1,1,2,2-Tetrachloroethane	ND	94			
1,1,2-Trichloroethane	ND	98			
1,1-Dichloroethane	ND	92			
1,1-Dichloroethene	ND	107	103	100	3.0
1,1-Dichloropropene	ND	109			
1,2,3-Trichlorobenzene	ND	120			
1,2,3-Trichloropropane	ND	99			
1,2,3-Trimethylbenzene	ND				
1,2,4-Trichlorobenzene	ND	117			
1,2,4-Trimethylbenzene	ND	108			
1,2-Dibromo-3-chloropropane	ND	96			
1,2-Dichlorobenzene	ND	102			
1,2-Dichloroethane	ND	94			
1,2-Dichloropropane	ND	102			
1,3,5-Trimethylbenzene	ND	112			
1,3-Dichlorobenzene	ND	108			
1,3-Dichloropropane	ND	99			
1,4-Dichlorobenzene	ND	104			
1,2-Dichloropropane	ND	96			
2-Chlorotoluene	ND	108			
4-Chlorotoluene	ND	109			
Benzene	ND	100	97	96	1.0

QA/QC Data

SDG I.D.: GAF14132

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Bromobenzene	ND	100			
Bromochloromethane	ND	97			
Bromodichloromethane	ND	97			
Bromoform	ND	95			
Bromomethane	ND				
Carbon Tetrachloride	ND	100			
Chlorobenzene	ND	102	93	92	1.1
Chloroethane	ND	119			
Chloroform	ND	95			
Chloromethane	ND	125			
cis-1,2-Dichloroethene	ND	103			
cis-1,3-Dichloropropene	ND	98			
Dibromochloromethane	ND	98			
Dibromoethane	ND	96			
Dibromomethane	ND	97			
Dichlorodifluoromethane	ND				
Ethylbenzene	ND	106			
Hexachlorobutadiene	ND	120			
Isopropylbenzene	ND	111			
m&p-Xylene	ND	108			
Methyl t Butyl Ether (MTBE)	ND				
Methylene Chloride	ND	94			
n-Butylbenzene	ND	121			
n-Propylbenzene	ND	112			
Naphthalene	ND	97			
o-Xylene	ND	101			
p-Isopropyltoluene	ND	123			
sec-Butylbenzene	ND	114			
Styrene	ND	101			
tert-Butylbenzene	ND	106			
Tetrachloroethene	ND	110			
Toluene	ND	104	99	98	1.0
Total Trihalomethanes (TTHM)	ND				
trans-1,2-Dichloroethene	ND	100			
trans-1,3-Dichloropropene	ND	95			
Trichloroethene	ND	108	87	82	5.9
Trichlorofluoromethane	ND	112			
Vinyl Chloride	ND	123			
% Bromofluorobenzene	83	93	75	77	2.6

Comment: LFB was analyzed with this batch instead of MS/MSD

QA/QC Batch Sample No: AF15097 (AF14133)

QA/QC Data

SDG I.D.: GAF14132

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Volatiles Organics					
1,1,1,2-Tetrachloroethane	ND	100			
1,1,1-Trichloroethane	ND	101			
1,1,2,2-Tetrachloroethane	ND	106			
1,1,2-Trichloroethane	ND	89			
1,1-Dichloroethane	ND	88			
1,1-Dichloroethene	ND	93	81	84	3.6
1,1-Dichloropropene	ND	92			
1,2,3-Trichlorobenzene	ND	88			
1,2,3-Trichloropropane	ND	99			
1,2,3-Trimethylbenzene	ND				
1,2,4-Trichlorobenzene	ND	101			
1,2,4-Trimethylbenzene	ND	112			
1,2-Dibromo-3-chloropropane	ND	115			
1,2-Dichlorobenzene	ND	100			
1,2-Dichloroethane	ND	84			
1,2-Dichloropropane	ND	80			
1,3,5-Trimethylbenzene	ND	113			
1,3-Dichlorobenzene	ND	106			
1,3-Dichloropropane	ND	102			
1,4-Dichlorobenzene	ND	101			
2,2-Dichloropropane	ND	105			
2-Chlorotoluene	ND	110			
4-Chlorotoluene	ND	106			
Benzene	ND	85	82	80	2.5
Bromobenzene	ND	101			
Bromochloromethane	ND	89			
Bromodichloromethane	ND				
Bromoform	ND	108			
Bromomethane	ND	101			
Carbon Tetrachloride	ND	97			
Chlorobenzene	ND	100	89	91	2.2
Chloroethane	ND	97			
Chloroform	ND	90			
Chloromethane	ND				
cis-1,2-Dichloroethene	ND	93			
cis-1,3-Dichloropropene	ND	98			
Dibromochloromethane	ND	105			
Dibromoethane	ND	96			
Dibromomethane	ND				
Dichlorodifluoromethane	ND				
Ethylbenzene	ND	105			

QA/QC Data

SDG I.D.: GAF14132

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Hexachlorobutadiene	ND	112			
Isopropylbenzene	ND	120			
m&p-Xylene	ND	112			
Methyl t Butyl Ether (MTBE)	ND				
Methylene Chloride	ND	90			
n-Butylbenzene	ND	115			
n-Propylbenzene	ND	108			
Naphthalene	ND	107			
o-Xylene	ND	105			
p-Isopropyltoluene	ND	122			
sec-Butylbenzene	ND	111			
Styrene	ND	101			
tert-Butylbenzene	ND	117			
Tetrachloroethene	ND	106			
Toluene	ND	99	85	84	1.2
Total Trihalomethanes (TTHM)	ND				
trans-1,2-Dichloroethene	ND	92			
trans-1,3-Dichloropropene	ND	101			
Trichloroethene	ND	81	70	71	1.4
Trichlorofluoromethane	ND	98			
Vinyl Chloride	ND	106			
m-Bromofluorobenzene	86	100	83	78	6.2

Comment: LFB was analyzed with this batch instead of MS/MSD

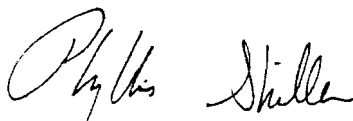
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

RPD - Relative Percent Difference

LCS - Laboratory Control Sample


Phyllis Shiller, Laboratory Director
October 21, 2003

10/22/2003

Earth Tech
ATTN: Steve Choiniere
40 British American Blvd.
Latham, NY 12110

Project Reference: NOW Corp., 55849.01
Lab Number: A3101501-01/08

Enclosed are results for sample(s) received 10/15/03 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.
All results are reported without qualifications.

Results were faxed to Steve Choiniere on 10/21/03.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Enclosures

Note: The cover letter is an integral part of this analytical report.



Client: EarthTech
Attn: Steve Choiniere

Page1 of 1

Client's Project: NOW CORP., 55849.01
Date Received: 10/15/03
Matrix: Air
Units: ppbv

EPA Method TO14

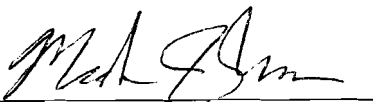
Lab No:		A3101501-01		A3101501-02		A3101501-03		A3101501-04		A3101501-05	
Client Sample I.D.:		TW-1VE 10/03		VE-1VE 10/03		VE-2VE 10/03		TW-2AVE 10/03		ST-1 10/03	
Date Sampled:		10/14/03		10/14/03		10/14/03		10/14/03		10/14/03	
Date Analyzed:		10/16/03		10/16/03		10/16/03		10/16/03		10/16/03	
QC Batch No:		031016MS2A1		031016MS2A1		031016MS2A1		031016MS2A1		031016MS2A1	
Analyst Initials:		SC		SC		SC		SC		SC	
Dilution Factor:		1.0		1.0		1.0		1.0		1.0	
ANALYTE	PQL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Vinyl Chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	4.6	1.0
c-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	1.3	1.0
1,1,1-Trichloroethane	1.0	2.3	1.0	2.7	1.0	3.5	1.0	4.8	1.0	21	1.0
Benzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichloroethene	1.0	29	1.0	30	1.0	30	1.0	31	1.0	48	1.0
Toluene	1.0	2.1	1.0	1.9	1.0	2.1	1.0	2.6	1.0	2.0	1.0
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Ethylbenzene	1.0	ND	1.0	ND	1.0	ND	1.0	1.1	1.0	ND	1.0
p,&m-Xylene	1.0	2.3	1.0	1.7	1.0	2.7	1.0	4.0	1.0	2.4	1.0
o-Xylene	1.0	1.3	1.0	ND	1.0	1.3	1.0	1.8	1.0	ND	1.0

PQL = Practical Quantitation Limit

ND= Not Detected (below RL)

RL = PQL X Dilution Factor

Reviewed/Approved By:



Mark Johnson
Air Toxics Operations Manager

Date 10-21-03

The cover letter is an integral part of this analytical report



Client: EarthTech
Attn: Steve Choiniere

Page 1 of 1

Client's Project: NOW CORP., 55849.01
Date Received: 10/15/03
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:	A3101501-06	A3101501-07	A3101501-08		
Client Sample I.D.:	PAS 10/03	SVE-EXH 10/03	ST-4 10/03		
Date Sampled:	10/14/03	10/14/03	10/14/03		
Date Analyzed:	10/16/03	10/16/03	10/16/03		
QC Batch No:	031016MS2A1	031016MS2A1	031016MS2A1		
Analyst Initials:	SC	SC	SC		
Dilution Factor:	10	1.0	1.0		
ANALYTE	PQL	Result	RL	Result	RL
Vinyl Chloride	1.0	ND	10	ND	1.0
Chloroethane	1.0	ND	10	ND	1.0
1,1-Dichloroethene	1.0	32	10	2.2	1.0
1,1-Dichloroethane	1.0	310	10	7.9	1.0
c-1,2-Dichloroethene	1.0	19	10	ND	1.0
1,1,1-Trichloroethane	1.0	1,200	10	ND	1.0
Benzene	1.0	ND	10	ND	1.0
1,2-Dichloroethane	1.0	ND	10	ND	1.0
Trichloroethene	1.0	550	10	ND	1.0
Toluene	1.0	ND	10	2.1	1.0
1,1,2-Trichloroethane	1.0	ND	10	ND	1.0
Tetrachloroethene	1.0	18	10	ND	1.0
Chlorobenzene	1.0	ND	10	ND	1.0
Ethylbenzene	1.0	ND	10	ND	1.0
p,&m-Xylene	1.0	ND	10	2.6	1.0
o-Xylene	1.0	ND	10	1.1	1.0

PQL = Practical Quantitation Limit

ND= Not Detected (below RL)

RL = PQL X Dilution Factor

Reviewed/Approved By:



Mark Johnson
Air Toxics Operations Manager

Date 10-21-03

The cover letter is an integral part of this analytical report



LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 031016MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	10/16/03		10/16/03		10/16/03						
Data File ID:	16OCT005.D		16OCT002.D		16OCT003.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0						
							Limits				
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	10.0	100	9.8	98	2.6	70	130	25	Pass
Methylene Chloride	0.0	10.0	7.8	78	7.6	76	3.4	70	130	25	Pass
Trichloroethene	0.0	10.0	11.4	114	10.5	105	8.4	70	130	25	Pass
Toluene	0.1	10.0	10.0	99	9.1	90	9.8	70	130	25	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	9.6	96	9.7	97	0.6	70	130	25	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date:

10-21-03

The cover letter is an integral part of this analytical report



A **tyco** INTERNATIONAL LTD. COMPANY

Project Number 55849.01		Project Name/Client EARTH TECH Now Corp		Analysis Required (ANALYTE LIST Per 2/12/48 Bld Form)										Custody Seal #		Earth Tech Cooler #					
Sample Custodian: (Signature) <i>Steve Spas</i>														Matrix							
Item No.	Sample Description (Field ID Number)	Date	Time	Grab	Comp.	PID Reading (ppm)	Label Number											Sample Type		Sample Container	
1	TW-IVE	10/03	10/14/03	11:45	N/A	N/A	01											X		2	
2	VE-IVE	10/03		11:40			02														
3	VE-2VE	10/03		11:35			03														
4	TW-2AVE	10/03		11:30			04														
5	ST-1	10/03		11:25			05														
6	PAS	10/03		11:20			06														
7	SVE-EXH	10/03		11:15			07														
8	ST-4	10/03	↓	11:10	↓	↓	08														
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					

Relinquished by: (Signature) <i>Steve Spas</i>		Date / Time 10/14/03 12:00	Received by: (Signature) <i>[Signature]</i>		Disposed of by: (Signature)		Items:		Date / Time		
Relinquished by: (Signature) <i>Ed Ex</i>		Date / Time 10/15/03 9:12	Received by: (Signature) <i>[Signature]</i>		Disposed of by: (Signature)		Items:		Date / Time		
Send Lab Results To: Steve Chain, etc EARTH TECH 40 British American Bldg. Latham, NY 12110			Remarks: Federal Express Airbill No.: 8426 5462 4393 Lab:			Check Delivery Method: <input type="checkbox"/> Samples delivered in person <input type="checkbox"/> Common carrier			Laboratory Receiving Notes: Custody Seal Intact? Temp. of Shipping Container: Sample Condition:		

