

**Operation, Maintenance and Monitoring Report
November 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**

January 29, 2004

FEB - 5 2004

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 – November 2003**

Dear Mr. Hoffman:

Telephone

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 describes the OM&M of the soil vapor extraction (SVE) system and the groundwater pump-and-treat (P&T) system for a 26-day period (**October 31 – November 26, 2003**).

518.951.2200

Facsimile

518.951.2300

The P&T and SVE systems were online and operational throughout the reporting period, although the pump in TW-1 was inoperative for the entire period (details below). Nevertheless, approximately 691,600 gallons of water were treated during the reporting period. Discharge from the treatment system averaged approximately 26,600 gallons per day (gpd). During the prior reporting period, the average discharge was 23,100 gpd.

As of the last day of the reporting period, a total of 34,831,000 gallons of groundwater had been recovered and treated by the system since it became operational.

Table 1 summarizes influent and effluent data for water samples collected on November 11, 2003. All effluent discharge requirements were met. Table 2 summarizes the operation and maintenance data recorded 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 SVE system air sampling data, as well as air-stripper stack emissions (sample PAS). A copy of each laboratory data report (water and air) is included in this report.

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:

November 11th – Monthly sampling and bi-weekly system inspection. Before collecting the air samples, the technicians changed out the upstream carbon adsorber of the pair of adsorbers treating the SVE system influent air. They also replaced the flex hose connecting the two adsorbers, and changed the oil in the SVE system blower motor.



A **tyco** INTERNATIONAL LTD. COMPANY

Page 2
Mr. Carl Hoffman
NYSDEC

November 26th – Technician installed the repaired Red Lion Controls meter that directs the operation of the submersible pump in recovery well TW-1. The pump still would not run on “auto” mode, so it was put in manual mode at a low discharge rate so the well wouldn’t be pumped dry. Technician contacted CBG Instruments and Control Systems, Inc. to discuss possible causes for the failure of the pump to operate in auto mode. He was unable to reach any technicians at CBG. The heat-exchanger filter was changed.

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: November 11, 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		26,600				Monitor	gpd
pH	6.8	7.1	NA	NA	NA	6.5 to 8.5	standard units
TSS	<5	<5	NA	NA	NA	50	mg/L
TDS	240	240	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	0.005	0.005	NA	NA	NA	0.15	mg/L
Aluminum, Total	0.021	0.020	NA	NA	NA	2	mg/L
Arsenic, Total	<0.004	<0.004	NA	NA	NA	0.05	mg/L
Barium, Total	0.064	0.066	NA	NA	NA	2	mg/L
Copper	0.001	<0.001	NA	NA	NA	0.024	mg/L
Chromium	<0.001	<0.001	NA	NA	NA	0.1	mg/L
Iron	<0.002	<0.002	NA	NA	NA	0.6	mg/L
Manganese	0.103	0.093	NA	NA	NA	0.6	mg/L
Mercury	<0.0002	<0.0002	NA	NA	NA	0.0008	mg/L
Nickel	<0.001	<0.001	NA	NA	NA	0.2	mg/L
Benzene	<5	<0.5	<5	<50	<5	0.8	ug/L
Chlorobenzene	<5	<0.5	<5	<50	<5	5	ug/L
Chloroethane	<5	<0.5	<5	<50	<5	5	ug/L
1,1-Dichloroethane	140	<0.5	45	210	20	5	ug/L
1,2-Dichloroethane	<5	<0.5	<5	<50	<5	1.6	ug/L
cis-1,2-Dichloroethene	10	<0.5	2.4	<50	<5	5	ug/L
trans-1,2-Dichloroethene	<5	<0.5	<5	<50	<5	5	ug/L
1,1-Dichloroethene	11	<0.5	9.8	<50	<5	0.5	ug/L
Ethylbenzene	<5	<0.5	<5	<50	<5	5	ug/L
Methyl tert-butyl ether	<20	<2	<20	<200	<20	None	ug/L
Tetrachloroethene	<5	<0.5	<5	<50	<5	1.4	ug/L
Toluene	<5	<0.5	<5	<50	<5	5	ug/L
1,1,1-Trichloroethane	470	<0.5	7.3	940	8.7	5	ug/L
1,1,2-Trichloroethane	<5	<0.5	<5	<50	<5	1.2	ug/L
Trichloroethene	290	<0.5	51	450	17	5	ug/L
Vinyl Chloride	<5	<0.5	<5	<50	<5	0.6	ug/L
1,2- and 1,4-Xylenes	<5	<0.5	<5	<50	<5	10	ug/L
1,3-Xylene	<5	<0.5	<5	<50	<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 November 2003 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		11/26/2003	Units
<i>TW-1</i>			
	Pumping Rate	3	GPM
	Water Level Above Transducer	-	feet
	Flow Meter Reading	833,500	gallons
	Pump Pressure	75	psi
<i>TW-2A</i>			
	Pumping Rate	13	GPM
	Water Level Above Transducer	40.73	feet
	Flow Meter Reading	1,147,900	gallons
	Pump Pressure	12	psi
<i>TW-3</i>			
	Pumping Rate	5	GPM
	Water Level Above Transducer	38.87	feet
	Flow Meter Reading	8,022,000	gallons
	Pump Pressure	68	psi
<i>Air Stripper</i>			
	Stripper Blower Pressure	18	inches H ₂ O
	Air Temperature in Stripper	46	°F
	Pressure Gauge - Left Leg	1.2	inches H ₂ O
	Pressure Gauge - Right Leg	1.5	inches H ₂ O
	Pressure/Vacuum on the Stripper	0	inches H ₂ O
<i>Effluent Flow</i>			
	Total System Meter Reading	34,831,400	gallons
	IW-1 Flow Meter Reading	12,938	gallons
	IW-2 Flow Meter Reading	14,534	gallons
<i>Vapor Extraction System</i>			
	Vapor Blower Vacuum	8	inches Hg
	Vacuum before Filter with Dilution Air	8.5	inches Hg
	Vacuum on Knock-out Pot	11.5	inches Hg
	Blower Inlet Temperature	52	°F
	Blower Outlet Temperature	192	°F
	Pressure After Blower	46	psi
	Heat Exchanger Outlet Temperature	64	°F

Note: N/A indicates data/measurement is not available.
NW - Not working

Table 3
November 2003 Groundwater Levels

NOW Corporation Site
Town of Clinton, New York

Well ID	MP Elevation	11/11/2003	
		Depth to Water (Ft below MP)	GW Elevation
MW-1	289.50	10.51	278.99
MW-2	332.51	26.53	305.98
MW-3	312.83	23.28	289.55
MW-3S	312.51	21.03	291.48
MW-4	298.29	21.53	276.76
MW-4D	298.16	21.35	276.81
MW-5	285.48	17.72	267.76
MW-6S	287.90	4.75	283.15
MW-6D	287.25	7.32	279.93
MW-7S	292.12	22.84	269.28
MW-7D	292.54	58.85	233.69
OW-1	307.75	44.53	263.22
OW-2	305.96	63.05	242.91
OW-6	294.81	4.91	289.90
IW-1	312.46	8.80	303.66
IW-2	306.56	4.62	301.94
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
SVE and Groundwater Treatment System Air Sampling Data
Sampling Date: November 11, 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	37.0	10.0	ND	1.0	2.0	1.0
1,1-Dichloroethane	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	370.0	10.0	ND	1.0	1.5	1.0
cis-1,2-Dichloroethene	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	59.0	10.0	ND	1.0	ND	1.0
1,1,1-Trichloroethane	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	1300.0	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	12.0	1.0	12.0	1.0	13.0	1.0	15.0	1.0	15.0	1.0	570.0	10.0	ND	1.0	ND	1.0
Toluene	1.5	1.0	1.4	1.0	1.4	1.0	2.8	1.0	2.7	1.0	ND	10.0	2.1	1.0	2.8	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	ND	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	ND	1.0	ND	1.0	ND	10.0	ND	1.0	ND	1.0
p&m -Xylene	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	10.0	ND	1.0	ND	1.0
o-Xylene	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	10.0	ND	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

PHOENIX
Environmental Laboratories, Inc.

Tuesday, December 09, 2003

Earthtech
40 British American Blvd
Latham NY 12110

Attention: Mr Steve Chroiniere

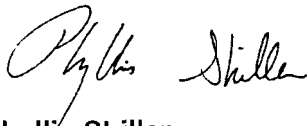
Sample ID#: AF20845-20849

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 06045-0370
Tel. (860) 645-1102 Fax (860) 645-0823

Monday, November 24, 2003

Earthtech
40 British American Blvd
Latham NY 12110

Attention: Mr. Steve Choinere

Sample ID#: AF20844-20849

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.

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 24, 2003

FOR: Attn: Mr. Steve Choiniere
Earthtech Inc
40 British American Boulevard
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: RUST-ENV
Rush Request:
P.O.#: 5584901

Custody Information

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

Date

11/11/03
11/12/03

Time

11:50
10:50

SDG I.D.: GAF20844

Phoenix I.D.: AF20844

Laboratory Data

Client ID: NOW CORP EFFLUENT

Parameter	Result	RL	Units	Date	Time	By	Reference
Aluminum	0.020	0.010	mg/L	11/17/03		EK	200.7/6010
Arsenic (Furnace)	BDL	0.004	mg/L	11/13/03		R/D	206.2
Barium	0.066	0.002	mg/L	11/17/03		EK	6010/E200.7
Chromium	BDL	0.001	mg/L	11/17/03		EK	200.7/6010
Copper	BDL	0.001	mg/L	11/17/03		EK	6010/E200.7
Iron	BDL	0.002	mg/L	11/17/03		EK	6010/E200.7
Mercury	BDL	0.0002	mg/L	11/13/03		R/D	7470/E245.1
Manganese	0.093	0.001	mg/L	11/17/03		EK	200.7/6010
Nickel	BDL	0.001	mg/L	11/17/03		EK	200.7/6010
Zinc	0.005	0.002	mg/L	11/17/03		EK	200.7/6010
Oil and Grease by EPA 1664	BDL	1.4	mg/L	11/18/03		SD	EPA 1664
Total Cyanide	BDL	0.01	mg/L	11/12/03		PJ	9010/335.3
Tot. Diss. Solids	240	5	mg/L	11/14/03		CF	SM2540C
Total Suspended Solids	BDL	5	mg/L	11/13/03		CF	SM2540D
Mercury Digestion	Completed			11/13/03		TR	E245.1
Total Metals Digestion	Completed			11/12/03		AG	
Volatiles							
1,1,1-Trichloroethane	ND	0.5	ug/L	11/13/03		RM	SW8260
1,1,2-Trichloroethane	ND	0.5	ug/L	11/13/03		RM	SW8260
1,1-Dichloroethane	ND	0.5	ug/L	11/13/03		RM	SW8260
1,1-Dichloroethene	ND	0.5	ug/L	11/13/03		RM	SW8260
1,2-Dichloroethane	ND	0.5	ug/L	11/13/03		RM	SW8260
Benzene	ND	0.5	ug/L	11/13/03		RM	SW8260
Chlorobenzene	ND	0.5	ug/L	11/13/03		RM	SW8260

Client ID: NOW CORP EFFLUENT

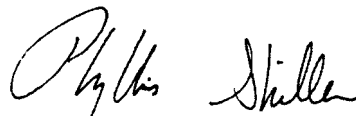
Phoenix I.D.: AF20844

Parameter	Result	RL	Units	Date	Time	By	Reference
Chloroethane	ND	0.5	ug/L	11/13/03		RM	SW8260
cis-1,2-Dichloroethene	ND	0.5	ug/L	11/13/03		RM	SW8260
Ethylbenzene	ND	0.5	ug/L	11/13/03		RM	SW8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	11/13/03		RM	SW8260
o-Xylene	ND	0.5	ug/L	11/13/03		RM	SW8260
p&m-Xylene	ND	0.5	ug/L	11/13/03		RM	SW8260
Tetrachloroethene	ND	0.5	ug/L	11/13/03		RM	SW8260
Toluene	ND	0.5	ug/L	11/13/03		RM	SW8260
trans-1,2-Dichloroethene	ND	0.5	ug/L	11/13/03		RM	SW8260
Trichloroethene	ND	0.5	ug/L	11/13/03		RM	SW8260
Vinyl chloride	ND	0.5	ug/L	11/13/03		RM	SW8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	97		%	11/13/03		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 24, 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

December 09, 2003

FOR: Attn: Mr. Steve Choiniere
Earthtech Inc
40 British American Boulevard
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: RUST-ENV
Rush Request:
P.O.#: 5584901

Custody Information

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

Date

11/11/03
11/12/03

Time

12:20
10:50

SDG I.D.: GAF20844

Phoenix I.D.: AF20845

Laboratory Data

Client ID: NOW CORP INFLUENT

Parameter	Result	RL	Units	Date	Time	By	Reference
Aluminum	0.021	0.010	mg/L	11/17/03		EK	200.7/6010
Arsenic (Furnace)	BDL	0.004	mg/L	11/13/03		R/D	206.2
Barium	0.064	0.002	mg/L	11/17/03		EK	6010/E200.7
Chromium	BDL	0.001	mg/L	11/17/03		EK	200.7/6010
Copper	0.001	0.001	mg/L	11/17/03		EK	6010/E200.7
Iron	BDL	0.002	mg/L	11/17/03		EK	6010/E200.7
Mercury	BDL	0.0002	mg/L	11/13/03		R/D	7470/E245.1
Manganese	0.103	0.001	mg/L	11/17/03		EK	200.7/6010
Nickel	BDL	0.001	mg/L	11/17/03		EK	200.7/6010
Zinc	0.005	0.002	mg/L	11/17/03		EK	200.7/6010
Oil and Grease by EPA 1664	BDL	1.4	mg/L	11/18/03		SD	EPA 1664
Total Cyanide	BDL	0.01	mg/L	11/12/03		PJ	9010/335.3
Tot. Diss. Solids	240	5	mg/L	11/14/03		CF	SM2540C
Total Suspended Solids	BDL	5	mg/L	11/13/03		CF	SM2540D
Mercury Digestion	Completed			11/13/03		TR	E245.1
Total Metals Digestion	Completed			11/12/03		AG	

Volatiles

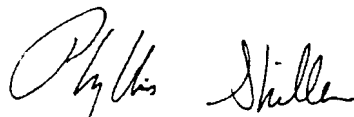
1,1,1-Trichloroethane	470	5	ug/L	11/13/03		OL	SW8260
1,1,2-Trichloroethane	ND	5	ug/L	11/13/03		OL	SW8260
1,1-Dichloroethane	140	5	ug/L	11/13/03		OL	SW8260
1,1-Dichloroethene	11	5	ug/L	11/13/03		OL	SW8260
1,2-Dichloroethane	ND	5	ug/L	11/13/03		OL	SW8260
Benzene	ND	5	ug/L	11/13/03		OL	SW8260
Chlorobenzene	ND	5	ug/L	11/13/03		OL	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Chloroethane	ND	5	ug/L	11/13/03		OL	SW8260
cis-1,2-Dichloroethene	10	5	ug/L	11/13/03		OL	SW8260
Ethylbenzene	ND	5	ug/L	11/13/03		OL	SW8260
Methyl tert-butyl ether (MTBE)	ND	20	ug/L	11/13/03		OL	SW8260
o-Xylene	ND	5	ug/L	11/13/03		OL	SW8260
p&m-Xylene	ND	5	ug/L	11/13/03		OL	SW8260
Tetrachloroethene	ND	5	ug/L	11/13/03		OL	SW8260
Toluene	ND	5	ug/L	11/13/03		OL	SW8260
trans-1,2-Dichloroethene	ND	5	ug/L	11/13/03		OL	SW8260
Trichloroethene	290	5	ug/L	11/13/03		OL	SW8260
Vinyl chloride	ND	5	ug/L	11/13/03		OL	SW8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	94		%	11/13/03		OL	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
December 09, 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

December 09, 2003

FOR: Attn: Mr. Steve Choiniere
Earthtech Inc
40 British American Boulevard
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: RUST-ENV
Rush Request:
P.O.#: 5584901

Custody Information

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

Date

11/11/03
11/12/03

Time

12:25
10:50

Laboratory Data

SDG I.D.: GAF20844
Phoenix I.D.: AF20846

Client ID: NOW CORP TW-1

Parameter	Result	RL	Units	Date	Time	By	Reference
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Volatiles

1,1,1-Trichloroethane	7.3	5	ug/L	11/13/03		OL	SW8260
1,1,2-Trichloroethane	ND	5	ug/L	11/13/03		OL	SW8260
1,1-Dichloroethane	45	5	ug/L	11/13/03		OL	SW8260
1,1-Dichloroethene	9.8	5	ug/L	11/13/03		OL	SW8260
1,2-Dichloroethane	ND	5	ug/L	11/13/03		OL	SW8260
Benzene	ND	5	ug/L	11/13/03		OL	SW8260
Chlorobenzene	ND	5	ug/L	11/13/03		OL	SW8260
Chloroethane	ND	5	ug/L	11/13/03		OL	SW8260
cis-1,2-Dichloroethene	ND	5	ug/L	11/13/03		OL	SW8260
Ethylbenzene	ND	5	ug/L	11/13/03		OL	SW8260
Methyl tert-butyl ether (MTBE)	ND	20	ug/L	11/13/03		OL	SW8260
o-Xylene	ND	5	ug/L	11/13/03		OL	SW8260
p&m-Xylene	ND	5	ug/L	11/13/03		OL	SW8260
Tetrachloroethene	ND	5	ug/L	11/13/03		OL	SW8260
Toluene	ND	5	ug/L	11/13/03		OL	SW8260
trans-1,2-Dichloroethene	ND	5	ug/L	11/13/03		OL	SW8260
Trichloroethene	51	5	ug/L	11/13/03		OL	SW8260
Vinyl chloride	ND	5	ug/L	11/13/03		OL	SW8260

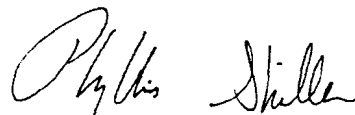
QA/QC Surrogates

%4-Bromofluorobenzene (Surrogate)	99		%	11/13/03		OL	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
December 09, 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

December 09, 2003

FOR: Attn: Mr. Steve Choiniere
Earthtech Inc
40 British American Boulevard
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: RUST-ENV
Rush Request:
P.O.#: 5584901

Custody Information

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

Date

11/11/03
11/12/03

Time

12:30
10:50

Laboratory Data

SDG I.D.: GAF20844

Phoenix I.D.: AF20847

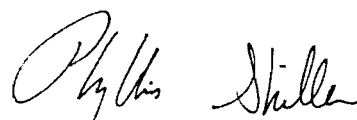
Client ID: NOW CORP TW-2A

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1-Trichloroethane	940	50	ug/L	11/14/03		OL	SW8260
1,1,2-Trichloroethane	ND	50	ug/L	11/14/03		OL	SW8260
1,1-Dichloroethane	210	50	ug/L	11/14/03		OL	SW8260
1,1-Dichloroethene	ND	50	ug/L	11/14/03		OL	SW8260
1,2-Dichloroethane	ND	50	ug/L	11/14/03		OL	SW8260
Benzene	ND	50	ug/L	11/14/03		OL	SW8260
Chlorobenzene	ND	50	ug/L	11/14/03		OL	SW8260
Chloroethane	ND	50	ug/L	11/14/03		OL	SW8260
cis-1,2-Dichloroethene	ND	50	ug/L	11/14/03		OL	SW8260
Ethylbenzene	ND	50	ug/L	11/14/03		OL	SW8260
Methyl tert-butyl ether (MTBE)	ND	200	ug/L	11/14/03		OL	SW8260
o-Xylene	ND	50	ug/L	11/14/03		OL	SW8260
p&m-Xylene	ND	50	ug/L	11/14/03		OL	SW8260
Tetrachloroethene	ND	50	ug/L	11/14/03		OL	SW8260
Toluene	ND	50	ug/L	11/14/03		OL	SW8260
trans-1,2-Dichloroethene	ND	50	ug/L	11/14/03		OL	SW8260
Trichloroethene	450	50	ug/L	11/14/03		OL	SW8260
Vinyl chloride	ND	50	ug/L	11/14/03		OL	SW8260
<u>QA/QC Surrogates</u>							
%4-Bromofluorobenzene (Surrogate)	89		%	11/14/03		OL	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.

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

Phyllis Shiller, Laboratory Director

December 09, 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

December 09, 2003

FOR: Attn: Mr. Steve Choiniere
Earthtech Inc
40 British American Boulevard
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: RUST-ENV
Rush Request:
P.O.#: 5584901

Custody Information

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

Date

11/11/03
11/12/03

Time

12:35
10:50

Laboratory Data

SDG I.D.: GAF20844

Phoenix I.D.: AF20848

Client ID: NOW CORP TW-3

Parameter	Result	RL	Units	Date	Time	By	Reference
Volatiles							
1,1,1-Trichloroethane	8.7	5	ug/L	11/13/03		OL	SW8260
1,1,2-Trichloroethane	ND	5	ug/L	11/13/03		OL	SW8260
1,1-Dichloroethane	20	5	ug/L	11/13/03		OL	SW8260
1,1-Dichloroethene	ND	5	ug/L	11/13/03		OL	SW8260
1,2-Dichloroethane	ND	5	ug/L	11/13/03		OL	SW8260
Benzene	ND	5	ug/L	11/13/03		OL	SW8260
Chlorobenzene	ND	5	ug/L	11/13/03		OL	SW8260
Chloroethane	ND	5	ug/L	11/13/03		OL	SW8260
cis-1,2-Dichloroethene	ND	5	ug/L	11/13/03		OL	SW8260
Ethylbenzene	ND	5	ug/L	11/13/03		OL	SW8260
Methyl tert-butyl ether (MTBE)	ND	20	ug/L	11/13/03		OL	SW8260
o-Xylene	ND	5	ug/L	11/13/03		OL	SW8260
p&m-Xylene	ND	5	ug/L	11/13/03		OL	SW8260
Tetrachloroethene	ND	5	ug/L	11/13/03		OL	SW8260
Toluene	ND	5	ug/L	11/13/03		OL	SW8260
trans-1,2-Dichloroethene	ND	5	ug/L	11/13/03		OL	SW8260
Trichloroethene	17	5	ug/L	11/13/03		OL	SW8260
Vinyl chloride	ND	5	ug/L	11/13/03		OL	SW8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	95		%	11/13/03		OL	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.

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

Phyllis Shiller, Laboratory Director

December 09, 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

December 09, 2003

FOR: Attn: Mr. Steve Choiniere
Earthtech Inc
40 British American Boulevard
Latham, NY 12110

Sample Information

Matrix: WATER
Location Code: RUST-ENV
Rush Request:
P.O.#: 5584901

Custody Information

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

Date

11/11/03
11/12/03

Time

0:00
10:50

Laboratory Data

SDG I.D.: GAF20844

Phoenix I.D.: AF20849

Client ID: NOW CORP TRIP BLANK

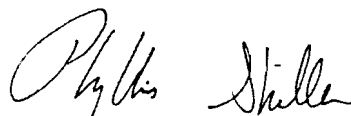
Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1-Trichloroethane	ND	5	ug/L	11/13/03		OL	SW8260
1,1,2-Trichloroethane	ND	5	ug/L	11/13/03		OL	SW8260
1,1-Dichloroethane	ND	5	ug/L	11/13/03		OL	SW8260
1,1-Dichloroethene	ND	5	ug/L	11/13/03		OL	SW8260
1,2-Dichloroethane	ND	5	ug/L	11/13/03		OL	SW8260
Benzene	ND	5	ug/L	11/13/03		OL	SW8260
Chlorobenzene	ND	5	ug/L	11/13/03		OL	SW8260
Chloroethane	ND	5	ug/L	11/13/03		OL	SW8260
cis-1,2-Dichloroethene	ND	5	ug/L	11/13/03		OL	SW8260
Ethylbenzene	ND	5	ug/L	11/13/03		OL	SW8260
Methyl tert-butyl ether (MTBE)	ND	20	ug/L	11/13/03		OL	SW8260
o-Xylene	ND	5	ug/L	11/13/03		OL	SW8260
p&m-Xylene	ND	5	ug/L	11/13/03		OL	SW8260
Tetrachloroethene	ND	5	ug/L	11/13/03		OL	SW8260
Toluene	ND	5	ug/L	11/13/03		OL	SW8260
trans-1,2-Dichloroethene	ND	5	ug/L	11/13/03		OL	SW8260
Trichloroethene	ND	5	ug/L	11/13/03		OL	SW8260
Vinyl chloride	ND	5	ug/L	11/13/03		OL	SW8260
<u>QA/QC Surrogates</u>							
%4-Bromofluorobenzene (Surrogate)	98		%	11/13/03		OL	SW8260

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.



Phyllis Shiller, Laboratory Director

December 09, 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

November 24, 2003

QA/QC Data

SDG I.D.: GAF20844

Parameter	Blank	LCS %	Dup RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch Sample No: AF20716 (AF20844, AF20845)						
Mercury	BDL		NR	89	94	5.5
QA/QC Batch Sample No: AF20953 (AF20844, AF20845)						
Arsenic	BDL	102	NC	102		NC
QA/QC Batch Sample No: AF20953 (AF20844, AF20845)						
ICP Metals - Aqueous						
Aluminum	BDL	88.5	NC	85.1	85.8	0.8
Antimony	0.013	92.7	NC	85.0	87.4	2.8
Arsenic	BDL	89.4	NC	83.9	86.1	2.6
Barium	BDL	94.9	1.60	90.8	90.5	0.3
Beryllium	BDL	94.6	NC	88.4	89.4	1.1
Boron	BDL		BDL			
Cadmium	BDL	92.4	NC	83.8	85.2	1.7
Calcium	0.01		BDL			
Chromium	BDL	93.8	NC	86.8	88.7	2.2
Cobalt	BDL	94.1	NC	87.2	87.8	0.7
Copper	0.004	95.3	2.10	85.9	87.9	2.3
Iron	0.007	94.9	NC	86.8	88.0	1.4
Lead	BDL	93.0	NC	83.1	85.0	2.3
Magnesium	BDL		BDL			
Manganese	0.003	94.4	2.20	86.8	88.0	1.4
Molybdenum	BDL		BDL			
Nickel	BDL	96.3	NC	88.5	90.2	1.9
Phosphorus	BDL		BDL			
Selenium	BDL	87.9	NC	82.9	84.4	1.8
Silver	BDL	90.8	NC	61.2	62.4	1.9
Thallium	BDL	93.6	NC	86.0	87.8	2.1
Tin	BDL		BDL			
Vanadium	BDL	93.3	NC	87.4	88.4	1.1
Zinc	0.004	92.8	NC	86.4	87.5	1.3
QA/QC Batch Sample No: AF20953 (AF20844, AF20845)						
Lead Analysis by Furnace	BDL	104	NR	98		NC

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

November 24, 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

November 24, 2003

QA/QC Data

SDG I.D.: GAF20844

Parameter	Blank	LCS Rec %	MS Rec %	RPD
QA/QC Batch Sample No: AF20726 (AF20844, AF20845)				
Total Suspended Solids	BDL	103	NR	NC
QA/QC Batch Sample No: AF20838 (AF20844, AF20845)				
Oil and Grease by EPA 1664	BDL	100		NR
QA/QC Batch Sample No: AF20844 (AF20844, AF20845)				
Total Cyanide	BDL	110	98.0	NC
QA/QC Batch Sample No: AF21131 (AF20844, AF20845)				
Tot. Diss. Solids	BDL	101	NR	4.3

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

November 24, 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

November 24, 2003

QA/QC Data

SDG I.D.: GAF20844

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch Sample No: AF20805 (AF20844, AF20845, AF20846, AF20849)					
Volatiles					
1,1,1,2-Tetrachloroethane	ND	113			
1,1,1-Trichloroethane	ND	122			
1,1,2,2-Tetrachloroethane	ND	119			
1,1,2-Trichloroethane	ND	120			
1,1-Dichloroethane	ND				
1,1-Dichloroethene	ND	103	120	92	26.4
1,1-Dichloropropene	ND	109			
1,2,3-Trichlorobenzene	ND				
1,2,3-Trichloropropane	ND	129			
1,2,4-Trichlorobenzene	ND				
1,2,4-Trimethylbenzene	ND	116			
1,2-Dibromo-3-chloropropane	ND				
1,2-Dichlorobenzene	ND	113			
1,2-Dichloroethane	ND	114			
1,2-Dichloropropane	ND	115			
1,3,5-Trimethylbenzene	ND	116			
1,3-Dichlorobenzene	ND	112			
1,3-Dichloropropane	ND	125			
1,4-Dichlorobenzene	ND	115			
2,2-Dichloropropane	ND	116			
2-Chlorotoluene	ND	115			
4-Chlorotoluene	ND	116			
Benzene	ND	107	112	88	24.0
Bromobenzene	ND	116			
Bromochloromethane	ND	112			
Bromodichloromethane	ND	115			
Bromoform	ND				
Bromomethane	ND	123			
Carbon tetrachloride	ND	109			
Chlorobenzene	ND	110	110	86	24.5
Chloroethane	ND	124			
Chloroform	ND	113			

QA/QC Data

SDG I.D.: GAF20844

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Chloromethane	ND	107			
cis-1,2-Dichloroethene	ND	116			
cis-1,3-Dichloropropene	ND	129			
Dibromochloromethane	ND	122			
Dibromoethane	ND				
Dibromomethane	ND	128			
Dichlorodifluoromethane	ND				
Ethylbenzene	ND	111			
Hexachlorobutadiene	ND	122			
Isopropylbenzene	ND	121			
m&p-Xylene	ND	111			
Methyl Ethyl Ketone	ND				
Methyl t-butyl ether (MTBE)	ND				
Methylene chloride	ND	97			
n-Butylbenzene	ND	117			
n-Propylbenzene	ND	112			
Naphthalene	ND				
o-Xylene	ND	110			
p-Isopropyltoluene	ND	122			
sec-Butylbenzene	ND	110			
Styrene	ND	110			
tert-Butylbenzene	ND	118			
Tetrachloroethene	ND	109			
Toluene	ND	109	110	88	22.2
Total Xylenes	ND				
trans-1,2-Dichloroethene	ND	108			
trans-1,3-Dichloropropene	ND				
Trichloroethene	ND	107	112	86	26.3
Trichlorofluoromethane	ND	110			
Vinyl chloride	ND	105			
% Bromofluorobenzene	96	99	94	95	1.1

QA/QC Batch Sample No: AF20877 (AF20845, AF20847)

Volatiles

1,1,1,2-Tetrachloroethane	ND	116			
1,1,1-Trichloroethane	ND	123			
1,1,2,2-Tetrachloroethane	ND	113			
1,1,2-Trichloroethane	ND	113			
1,1-Dichloroethane	ND	128			
1,1-Dichloroethene	ND	104	124	128	3.2
1,1-Dichloropropene	ND	115			
1,2,3-Trichlorobenzene	ND	120			

QA/QC Data

SDG I.D.: GAF20844

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
1,2,3-Trichloropropane	ND	127			
1,2,4-Trichlorobenzene	ND	128			
1,2,4-Trimethylbenzene	ND	122			
1,2-Dibromo-3-chloropropane	ND	122			
1,2-Dichlorobenzene	ND	115			
1,2-Dichloroethane	ND	113			
1,2-Dichloropropane	ND	113			
1,3,5-Trimethylbenzene	ND	124			
1,3-Dichlorobenzene	ND	115			
1,3-Dichloropropane	ND	121			
1,4-Dichlorobenzene	ND	115			
2,2-Dichloropropane	ND	114			
2-Chlorotoluene	ND	121			
4-Chlorotoluene	ND	120			
Benzene	ND	109	122	125	2.4
Bromobenzene	ND	118			
Bromochloromethane	ND	104			
Bromodichloromethane	ND	115			
Bromoform	ND	124			
Bromomethane	ND	113			
Carbon tetrachloride	ND	118			
Chlorobenzene	ND	112	124	128	3.2
Chloroethane	ND	120			
Chloroform	ND	109			
Chloromethane	ND	100			
cis-1,2-Dichloroethene	ND	111			
cis-1,3-Dichloropropene	ND	126			
Dibromochloromethane	ND	120			
Dibromoethane	ND				
Dibromomethane	ND	125			
Dichlorodifluoromethane	ND				
Ethylbenzene	ND	117			
Hexachlorobutadiene	ND	127			
Isopropylbenzene	ND	130			
m&p-Xylene	ND	116			
Methyl Ethyl Ketone	ND				
Methyl tert-butyl ether (MTBE)	ND				
Methylene chloride	ND	92			
n-Butylbenzene	ND	124			
n-Propylbenzene	ND	120			
Naphthalene	ND	109			
o-Xylene	ND	114			

QA/QC Data

SDG I.D.: GAF20844

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
p-Isopropyltoluene	ND	130			
sec-Butylbenzene	ND	121			
Styrene	ND	110			
tert-Butylbenzene	ND	127			
Tetrachloroethene	ND	119			
Toluene	ND	111	120	122	1.7
trans-1,2-Dichloroethene	ND	106			
trans-1,3-Dichloropropene	ND	125			
Trichloroethene	ND	112	120	124	3.3
Trichlorofluoromethane	ND	113			
Vinyl chloride	ND	101			
% Bromofluorobenzene	95	99	90	94	4.3

QA/QC Batch Sample No: AF20971 (AF20848)

Volatiles

1,1,1,2-Tetrachloroethane	ND	105			
1,1,1-Trichloroethane	ND	116			
1,1,2,2-Tetrachloroethane	ND	109			
1,1,2-Trichloroethane	ND	110			
1,1-Dichloroethane	ND	125			
1,1-Dichloroethene	ND	102	90	90	0.0
1,1-Dichloropropene	ND	106			
1,2,3-Trichlorobenzene	ND				
1,2,3-Trichloropropane	ND	120			
1,2,4-Trichlorobenzene	ND				
1,2,4-Trimethylbenzene	ND	111			
1,2-Dibromo-3-chloropropane	ND				
1,2-Dichlorobenzene	ND	106			
1,2-Dichloroethane	ND	103			
1,2-Dichloropropane	ND	109			
1,3,5-Trimethylbenzene	ND	113			
1,3-Dichlorobenzene	ND	104			
1,3-Dichloropropane	ND	118			
1,4-Dichlorobenzene	ND	106			
2,2-Dichloropropane	ND	108			
2-Chlorotoluene	ND	111			
4-Chlorotoluene	ND	108			
Benzene	ND	104	104	104	0.0
Bromobenzene	ND	110			
Bromochloromethane	ND	103			
Bromodichloromethane	ND	104			
Bromoform	ND	117			

QA/QC Data

SDG I.D.: GAF20844

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Bromomethane	ND	116			
Carbon tetrachloride	ND	103			
Chlorobenzene	ND	105	100	106	5.8
Chloroethane	ND	123			
Chloroform	ND	105			
Chloromethane	ND	111			
cis-1,2-Dichloroethene	ND	112			
cis-1,3-Dichloropropene	ND	119			
Dibromochloromethane	ND	109			
Dibromoethane	ND	128			
Dibromomethane	ND	118			
Dichlorodifluoromethane	ND				
Ethylbenzene	ND	108			
Hexachlorobutadiene	ND	121			
Isopropylbenzene	ND	118			
m&p-Xylene	ND	107			
Methyl Ethyl Ketone	ND				
Methyl tert-butyl ether (MTBE)	ND				
Methylene chloride	ND	93			
n-Butylbenzene	ND	113			
n-Propylbenzene	ND	109			
Naphthalene	ND	124			
o-Xylene	ND	108			
p-Isopropyltoluene	ND	119			
sec-Butylbenzene	ND	109			
Styrene	ND	106			
tert-Butylbenzene	ND	116			
Tetrachloroethene	ND	105			
Toluene	ND	104	100	102	2.0
trans-1,2-Dichloroethene	ND	104			
trans-1,3-Dichloropropene	ND	119			
Trichloroethene	ND	101	96	100	4.1
Trichlorofluoromethane	ND	104			
Vinyl chloride	ND	110			
% Bromofluorobenzene	96	100	92	95	3.2

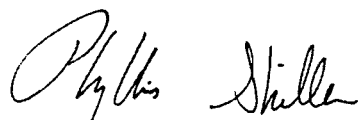
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

RPD - Relative Percent Difference

LCS - Laboratory Control Sample



Phyllis Shiller, Laboratory Director

November 24, 2003



A tyco INTERNATIONAL LTD. COMPANY

Short List

Project Number 55849.01		Project Name/Client EARTH TECH Now CORP.		Earth Tech Cooler #	
Sample Custodian: (Signature) <i>Roger Gray</i>		Analysis Required		Custody Seal #	
Item No.	Sample Description (Field ID Number)	Date	Time	Grab	Comp.
1	EFF	11/03	11:30	X	
2	20844		11:35		
3			11:40		
4			11:45		
5			11:50		
6	INF.		12:00		
7	20845		12:05		
8			12:10		
9			12:15		
10			12:20		
11	Tw-1 20846		12:25		
12	Tw-2A 20847		12:30		
13	Tw-3 20848		12:35		
14	TRIP BLANK 20849				
15					
16					
17					
18					

Relinquished by: (Signature) <i>Roger Gray</i>		Date / Time 11/03 1:00	Received by: (Signature) <i>Shawn Wilhelm</i>	Date / Time 11/23 10:50
Relinquished by: (Signature)				

Send Lab Results To:		Remarks:	Check Delivery Method:
STEVE CHOINIERE EARTH TECH 40 BRITISH AMERICAN BLVD. LATHAM, N.Y. 12110		0.5 DL FOR 20860 ON EFF SAMP.	☐ Samples delivered in person ☐ Common carrier

Laboratory Receiving Notes:	
Custody Seal Intact?	
Temp. of Shipping Container:	5°C
Sample Condition:	

11/26/2003

DEC - 8

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

Project Reference: NOW CORP., 55849.02
Lab Number: A3111205-01/08

Enclosed are results for sample(s) received 11/12/03 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 11/26/03.

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

Page 1 of 1

Client's Project: NOW CORP., 55849.02
Date Received: 11/12/03
Matrix: Air
Units: ppbv

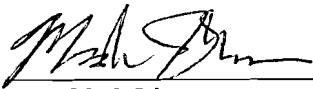
EPA Method TO14											
Lab No:	A3111205-01	A3111205-02		A3111205-03		A3111205-04		A3111205-05			
Client Sample I.D.:	TW - 1VE 11/03	VE - 1VE 11/03		VE - 2VE 11/03		TW - 2AVE 11/03		ST-1 11/03			
Date Sampled:	11/11/03	11/11/03		11/11/03		11/11/03		11/11/03			
Date Analyzed:	11/13/03	11/13/03		11/13/03		11/13/03		11/13/03			
QC Batch No:	031113MS2A1	031113MS2A1		031113MS2A1		031113MS2A1		031113MS2A1			
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	ND	1.0
c-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,1-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	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	12	1.0	12	1.0	13	1.0	15	1.0	15	1.0
Toluene	1.0	1.5	1.0	1.4	1.0	1.4	1.0	2.8	1.0	2.7	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	ND	1.0	ND	1.0
p,&m-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
o-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	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 11-26-03

The cover letter is an integral part of this analytical report



Client: EarthTech
Attn: Steve Choiniere

Page1 of 1

Client's Project: NOW CORP., 55849.02
Date Received: 11/12/03
Matrix: Air
Units: ppbv

EPA Method TO14

Lab No:	A3111205-06	A3111205-07	A3111205-08		
Client Sample I.D.:	PAS 11/03	SVE - EXH 11/03	ST - 4 11/03		
Date Sampled:	11/11/03	11/11/03	11/11/03		
Date Analyzed:	11/13/03	11/13/03	11/13/03		
QC Batch No:	031113MS2A1	031113MS2A1	031113MS2A1		
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	37	10	ND	1.0
1,1-Dichloroethane	1.0	370	10	ND	1.0
c-1,2-Dichloroethene	1.0	59	10	ND	1.0
1,1,1-Trichloroethane	1.0	1,300	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	570	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	ND	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	ND	1.0
o-Xylene	1.0	ND	10	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 11-26-03

The cover letter is an integral part of this analytical report



Air Technology
Laboratories

18501 E. Gale Avenue Suite 130 City of Industry, CA 91748 Tel: 626 964-4032 Fax: 626 964-5832

LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 031113MS2A1

Matrix: Air

EPA Method TO-14/TO-15

Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	11/13/03		11/13/03		11/13/03						
Data File ID:	13NOV014.D		13NOV011.D		13NOV012.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	9.5	95	9.6	96	0.6	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.8	98	9.9	99	1.3	70	130	30	Pass
Trichloroethene	0.0	10.0	9.4	94	9.6	96	1.9	70	130	30	Pass
Toluene	0.0	10.0	8.8	88	8.7	87	0.6	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	9.5	95	9.7	97	1.9	70	130	30	Pass



A tyco INTERNATIONAL LTD. COMPANY

Project Number 55849.02		Project Name/Client EARTH TECH Now CORP		Custody Seal #		Earth Tech Cooler #											
Sample Custodian: (Signature) <i>Roger Gray</i>				Analysis Required (ANALYTE LIST PER 2/12/98 B.I.D FORM)													
Item No.	Sample Description (Field ID Number)	Date	Time	Grab	Comp.	PID Reading (ppm)	Label Number	Matrix									
								Sample Type		Sample Container							
1	TW-1VE	11/03	11:11-03	12:45	X												
2	VE-1VE	11/03		12:50													
3	VE-2VE	11/03		12:55													
4	TW-2AVE	11/03		1:00													
5	ST-1	11/03		1:05													
6	PAS	11/03		1:10													
7	SVE-EXH	11/03		2:10													
8	ST-4	11/03		2:15													
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	

Relinquished by: (Signature) <i>Roger Gray</i>	Date / Time 11/11/03 12:30	Received by: (Signature) <i>JARCOO</i>	Disposed of by: (Signature)	Items:	Date / Time
Relinquished by: (Signature) <i>FED EX</i>	Date / Time 11/12/03 0930	Received by: (Signature) <i>JARCOO</i>	Disposed of by: (Signature)	Items:	Date / Time 11/12/03 0930

Send Lab Results To: STEVE CHOINIERE EARTH TECH 40 BRITISH AMERICAN BLVD. LATHAM, N.Y. 12110	Remarks: TAT: 10 BUSINESS DAYS + SEND ENOUGH BAGS BACK WITH COOLER 4 NEXT SAMP. EVENT Federal Express Airbill No.: C/O ROGER GRAY Lab:	Check Delivery Method: ☐ Samples delivered in person ☐ Common carrier	Laboratory Receiving Notes: Custody Seal Intact? Temp. of Shipping Container: Sample Condition:
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White Copy - Lab

Yellow Copy - File

Pink Copy - Client

