

**Operation, Maintenance and Monitoring Report
July 2004**

**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**

September 16, 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 – “July” 2004

Dear Mr. Hoffman:

Telephone

Enclosed is a monthly summary report for the operation, monitoring and maintenance (OM&M) of the remedial 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 37-day period (**June 28 – August 4, 2004**).

518.951.2200

Facsimile

518.951.2300

The P&T and SVE systems were online and fully operational throughout the reporting period, with no downtime. Approximately 382,000 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 10,300 gallons per day (gpd). During the prior reporting period, the average discharge was 16,300 gpd.

As of the last day of the reporting period, a total of 40,253,000 gallons of groundwater had been recovered and treated by the system since it became operational in February 1998.

Table 1 summarizes influent and effluent analytical data for water samples collected on July 19, 2004. All effluent discharge requirements were met. Table 2 summarizes the operation and maintenance data recorded on the last day of the reporting period, while Table 3 summarizes monitoring well water-level data collected on the sampling date. Table 4 summarizes the SVE system air analytical data, as well as the analytical results from a sample of the air-stripper stack emissions (sample PAS). Repeating the practice of recent months, air samples were not collected at SVE wells VE-1 and VE-2, which are currently off line because the intakes at the wells are submerged. A copy of each laboratory data report (water and air) is included in this report.

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

July 9th – Routine bi-weekly system inspection and monitoring well water-level measurements. Technician changed oil in the vapor blower motor.

July 19th – Routine bi-weekly system inspection, monthly sampling, and monitoring well water-



A **tyco** INTERNATIONAL LTD. COMPANY

level measurements. Technicians greased the air-stripper blower motor, cleaned the screen in the effluent meter, and cleaned the effluent pressure sensor.

July 29th – Remote system monitoring using ProView software showed that on July 21st, the output from the transducer in recovery well TW-2A went to 0, shutting off the submersible pump. As a result, water levels rose sharply in recovery well TW-1, located 250 feet away. Technician responded on this date to increase the discharge rate of the pump in TW-1, and to place the submersible pump in TW-2A to the manual mode. Discharge was set to approximately half of the normal amount to minimize the possibility that, without transducer control, the well would be dewatered, burning up the pump. As of July 29, two recovery well pumps (TW-2A and TW-3) were operating at reduced discharges in manual mode. This accounts for the lowered effluent discharge noted above during this reporting period.

August 2nd – Remote monitoring showed that the on-site modem had locked up, preventing access to the PLC. Technician responded on this date to reset modem and to adjust discharges on TW-2A and TW-3.

August 4th - Routine bi-weekly system inspection and monitoring well water-level measurements. Technicians oiled the heat-exchanger fans, and pulled the faulty transducer and cable out of TW-2A. Transducer was later shipped to the manufacturer for inspection.

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: July 19, 2004
NOW Corporation Site
Town of Clinton, New York

Analytes/ Parameters	Total Influent	Effluent	Recovery Wells			Effluent Limitations	
			TW-1	TW-2A	TW-3	(units)	
Quantity treated, per day		10,314				Monitor	gpd
pH	6.8	7.1	NA	NA	NA	6.5 to 8.5	standard units
Oil and Grease	<1.4	<1.4	NA	NA	NA	15	mg/L
Total Cyanide	<0.01	<0.01	NA	NA	NA	0.01	mg/L
TDS	280	280	NA	NA	NA	1000	mg/L
TSS	<5	<5	NA	NA	NA	50	mg/L
Aluminum, Total	0.349	<0.01	NA	NA	NA	2	mg/L
Arsenic, Total	0.007	<0.004	NA	NA	NA	0.05	mg/L
Barium, Total	0.247	0.078	NA	NA	NA	2	mg/L
Chromium	0.021	<0.001	NA	NA	NA	0.1	mg/L
Copper	0.864	<0.001	NA	NA	NA	0.024	mg/L
Iron	14.6	0.012	NA	NA	NA	0.6	mg/L
Mercury	<0.0002	<0.0002	NA	NA	NA	0.0008	mg/L
Manganese	22.400	0.07	NA	NA	NA	0.6	mg/L
Nickel	0.097	<0.001	NA	NA	NA	0.2	mg/L
Zinc	0.668	<0.002	NA	NA	NA	0.15	mg/L
1,1,1-Trichloroethane	1100	<0.5	4.7	1500	3.9	5	ug/L
1,1,2-Trichloroethane	<10	<0.5	<0.5	<10	<0.5	1.2	ug/L
1,1-Dichloroethane	230	<0.5	97	290	13	5	ug/L
1,1-Dichloroethene	16	<0.5	15	22	<0.5	0.5	ug/L
1,2-Dichloroethane	<10	<0.5	<0.5	<10	<0.5	1.6	ug/L
Benzene	<10	<0.5	<0.5	<10	<0.5	0.8	ug/L
Chlorobenzene	<10	<0.5	<0.5	<10	<0.5	5	ug/L
Chloroethane	<10	<0.5	<0.5	<10	<0.5	5	ug/L
cis-1,2-Dichloroethene	<10	<0.5	2.7	<10	<0.5	5	ug/L
Ethylbenzene	<10	<0.5	<0.5	<10	<0.5	5	ug/L
Methyl tert-butyl ether	<40	<2	<2	<40	<2	5	ug/L
o-Xylene	<10	<0.5	<0.5	<10	<0.5	5	ug/L
p&m-Xylene	<10	<0.5	<0.5	<10	<0.5	10	ug/L
Tetrachloroethene	<10	<0.5	<0.5	<10	<0.5	1.4	ug/L
Toluene	12	<0.5	<0.5	<10	<0.5	5	ug/L
trans-1,2-Dichloroethene	<10	<0.5	<0.5	<10	<0.5	5	ug/L
Trichloroethene	450	<0.5	51	590	8.3	5	ug/L
Vinyl Chloride	<10	<0.5	<0.5	<10	<0.5	0.6	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 effluent limitations.
- 3) NA indicates not analyzed.
- 4) "J" indicates an estimated concentration below the method detection limit.

Table 2
Summary of "July" 2004 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		8/4/2004	Units
<i>TW-1</i>			
	Pumping Rate	3	GPM
	Water Level Above Transducer	13.61	feet
	Flow Meter Reading	1,611,400	gallons
	Pump Pressure	70	psi
<i>TW-2A</i>			
	Pumping Rate	8	GPM
	Water Level Above Transducer	-	feet
	Flow Meter Reading	5,539,400	gallons
	Pump Pressure	48	psi
<i>TW-3</i>			
	Pumping Rate	2	GPM
	Water Level Above Transducer	-	feet
	Flow Meter Reading	9,537,100	gallons
	Pump Pressure	89	psi
<i>Air Stripper</i>			
	Stripper Blower Pressure	19	inches H ₂ O
	Air Temperature in Stripper	56	°F
	Pressure Gauge - Left Leg	1	inches H ₂ O
	Pressure Gauge - Right Leg	0.4	inches H ₂ O
	Pressure/Vacuum on the Stripper	-	inches H ₂ O
<i>Effluent Flow</i>			
	Total System Meter Reading	40,252,900	gallons
	IW-1 Flow Meter Reading	28,063	gallons
	IW-2 Flow Meter Reading	22,637	gallons
<i>Vapor Extraction System</i>			
	Vapor Blower Vacuum	6.5	inches Hg
	Vacuum before Filter with Dilution Air	6	inches Hg
	Vacuum on Knock-out Pot	11	inches Hg
	Blower Inlet Temperature	82	°F
	Blower Outlet Temperature	189	°F
	Pressure After Blower	56	psi
	Heat Exchanger Outlet Temperature	82	°F

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

NW - Not working

Table 3
July 2004 Groundwater Levels

NOW Corporation Site
Town of Clinton, New York

Well ID	MP Elevation	7/19/2004	
		Depth to Water (Ft below MP)	GW Elevation
MW-1	289.50	18.75	270.75
MW-2	332.51	34.02	298.49
MW-3	312.83	34.46	278.37
MW-3S	312.51	28.29	284.22
MW-4	298.29	26.63	271.66
MW-4D	298.16	26.47	271.69
MW-5	285.48	20.52	264.96
MW-6S	287.90	24.11	263.79
MW-6D	287.25	16.10	271.15
MW-7S	292.12	32.03	260.09
MW-7D	292.54	75.23	217.31
OW-1	307.75	60.68	247.07
OW-2	305.96	71.28	234.68
OW-6	294.81	11.43	283.38
IW-1	312.46	8.81	303.65
IW-2	306.56	7.89	298.67
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 Systems Air Sampling Data
Sampling Date: July 19, 2004

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	NS	NA	NS	NA	ND	1.0	ND	1.0	ND	5.0	ND	1.0	1.3	1.0
Chloroethane	ND	1.0	NS	NA	NS	NA	ND	1.0	ND	1.0	ND	5.0	ND	1.0	ND	1.0
1,1-Dichloroethene	5.4	1.0	NS	NA	NS	NA	4.3	1.0	4.2	1.0	20.0	5.0	4.3	1.0	1.6	1.0
1,1-Dichloroethane	22.0	1.0	NS	NA	NS	NA	17.0	1.0	18.0	1.0	260.0	5.0	9.6	1.0	ND	1.0
cis-1,2-Dichloroethene	7.6	1.0	NS	NA	NS	NA	6.5	1.0	6.7	1.0	10.0	5.0	2.3	1.0	ND	1.0
1,1,1-Trichloroethane	51.0	1.0	NS	NA	NS	NA	37.0	1.0	37.0	1.0	990.0	5.0	ND	1.0	ND	1.0
Benzene	ND	1.0	NS	NA	NS	NA	ND	1.0	ND	1.0	ND	5.0	ND	1.0	ND	1.0
1,2-Dichloroethane	ND	1.0	NS	NA	NS	NA	ND	1.0	ND	1.0	ND	5.0	ND	1.0	ND	1.0
Trichloroethene	210	1.0	NS	NA	NS	NA	180	1.0	180	1.0	360.0	5.0	ND	1.0	ND	1.0
Toluene	5.0	1.0	NS	NA	NS	NA	5.7	1.0	6.1	1.0	5.0	5.0	5.4	1.0	5.6	1.0
1,1,2-Trichloroethane	ND	1.0	NS	NA	NS	NA	ND	1.0	ND	1.0	ND	5.0	ND	1.0	ND	1.0
Tetrachloroethene	2.1	1.0	NS	NA	NS	NA	2.6	1.0	2.3	1.0	ND	5.0	2.0	1.0	2.1	1.0
Chlorobenzene	ND	1.0	NS	NA	NS	NA	ND	1.0	ND	1.0	ND	5.0	ND	1.0	ND	1.0
Ethylbenzene	ND	1.0	NS	NA	NS	NA	ND	1.0	ND	1.0	ND	5.0	ND	1.0	ND	1.0
p&m-Xylene	1.5	1.0	NS	NA	NS	NA	1.7	1.0	1.5	1.0	ND	5.0	ND	1.0	1.4	1.0
o-Xylene	ND	1.0	NS	NA	NS	NA	ND	1.0	ND	1.0	ND	5.0	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 analyte was not detected at stated RL.
- 4) RL = reporting limit
- 5) NS = not sampled
- 6) NA = not applicable

Sample IDs:

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

**INFLUENT & EFFLUENT WATER
ANALYTICAL REPORT**



Monday, August 02, 2004

Earthtech
40 British American Blvd
Latham NY 12110

Attention: Mr Steve Choiniere

Sample ID#: AF71884-71889

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,

A handwritten signature in cursive script that reads "Phyllis Shiller".

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

September 20, 2004

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: SG
Received by: KJB
Analyzed by: see "By" below

Date Time
07/19/04 10:55
07/20/04 10:30

Laboratory Data

SDG I.D.: GAF71884
Phoenix I.D.: AF71884

Client ID: NOW CORP EFFLUENT

Parameter	Result	RL	Units	Date	Time	By	Reference
Aluminum	BDL	0.01	mg/L	07/23/04		EK	200.7/6010
Arsenic	BDL	0.004	mg/L	07/23/04		EK	200.7/6010
Barium	0.078	0.002	mg/L	07/23/04		EK	6010/E200.7
Chromium	BDL	0.001	mg/L	07/23/04		EK	200.7/6010
Copper	BDL	0.001	mg/L	07/23/04		EK	6010/E200.7
Iron	0.012	0.002	mg/L	07/23/04		EK	6010/E200.7
Mercury	BDL	0.0002	mg/L	07/21/04		R/D	7470/E245.1
Manganese	0.07	0.001	mg/L	07/23/04		EK	200.7/6010
Nickel	BDL	0.001	mg/L	07/23/04		EK	200.7/6010
Zinc	BDL	0.002	mg/L	07/23/04		EK	200.7/6010
Oil and Grease by EPA 1664	BDL	1.4	mg/L	07/27/04		PJ	EPA 1664
Total Cyanide	BDL	0.01	mg/L	07/22/04		ME	9010/335.3
Tot. Diss. Solids	280	10	mg/L	07/20/04		CF	SM2540C
Total Suspended Solids	BDL	5	mg/L	07/20/04		CF	SM2540D
Mercury Digestion	Completed			07/21/04		DM	E245.1
Total Metals Digestion	Completed			07/20/04		AG	

Volatiles

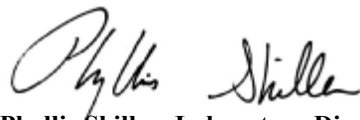
1,1,1-Trichloroethane	ND	0.5	ug/L	07/21/04		RM	SW8260
1,1,2-Trichloroethane	ND	0.5	ug/L	07/21/04		RM	SW8260
1,1-Dichloroethane	ND	0.5	ug/L	07/21/04		RM	SW8260
1,1-Dichloroethene	ND	0.5	ug/L	07/21/04		RM	SW8260
1,2-Dichloroethane	ND	0.5	ug/L	07/21/04		RM	SW8260
Benzene	ND	0.5	ug/L	07/21/04		RM	SW8260
Chlorobenzene	ND	0.5	ug/L	07/21/04		RM	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Chloroethane	ND	0.5	ug/L	07/21/04		RM	SW8260
cis-1,2-Dichloroethene	ND	0.5	ug/L	07/21/04		RM	SW8260
Ethylbenzene	ND	0.5	ug/L	07/21/04		RM	SW8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	07/21/04		RM	SW8260
o-Xylene	ND	0.5	ug/L	07/21/04		RM	SW8260
p&m-Xylene	ND	0.5	ug/L	07/21/04		RM	SW8260
Tetrachloroethene	ND	0.5	ug/L	07/21/04		RM	SW8260
Toluene	ND	0.5	ug/L	07/21/04		RM	SW8260
trans-1,2-Dichloroethene	ND	0.5	ug/L	07/21/04		RM	SW8260
Trichloroethene	ND	0.5	ug/L	07/21/04		RM	SW8260
Vinyl chloride	ND	0.5	ug/L	07/21/04		RM	SW8260
<u>QA/QC Surrogates</u>							
%4-Bromofluorobenzene (Surrogate)	94		%	07/21/04		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
September 20, 2004



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

Analysis Report

September 20, 2004

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: SG
Received by: KJB
Analyzed by: see "By" below

Date Time
07/19/04 11:55
07/20/04 10:30

Laboratory Data

SDG I.D.: GAF71884
Phoenix I.D.: AF71885

Client ID: NOW CORP INFLUENT

Parameter	Result	RL	Units	Date	Time	By	Reference
Aluminum	0.349	0.01	mg/L	07/23/04		EK	200.7/6010
Arsenic	0.007	0.004	mg/L	07/23/04		EK	200.7/6010
Barium	0.247	0.002	mg/L	07/23/04		EK	6010/E200.7
Chromium	0.021	0.001	mg/L	07/23/04		EK	200.7/6010
Copper	0.864	0.001	mg/L	07/23/04		EK	6010/E200.7
Iron	14.6	0.002	mg/L	07/23/04		EK	6010/E200.7
Mercury	BDL	0.0002	mg/L	07/21/04		R/D	7470/E245.1
Manganese	22.4	0.01	mg/L	07/27/04		EK	200.7/6010
Nickel	0.097	0.001	mg/L	07/23/04		EK	200.7/6010
Zinc	0.668	0.002	mg/L	07/23/04		EK	200.7/6010
Oil and Grease by EPA 1664	BDL	1.4	mg/L	07/27/04		PJ	EPA 1664
Total Cyanide	BDL	0.01	mg/L	07/23/04		ME	9010/335.3
Tot. Diss. Solids	280	10	mg/L	07/22/04		CF	SM2540C
Total Suspended Solids	BDL	5	mg/L	07/21/04		CF	SM2540D
Mercury Digestion	Completed			07/21/04		DM	E245.1
Total Metals Digestion	Completed			07/20/04		AG	

Volatiles

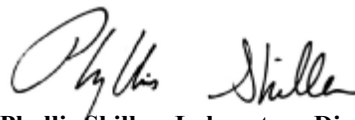
1,1,1-Trichloroethane	1100	10	ug/L	07/23/04		RM	SW8260
1,1,2-Trichloroethane	ND	10	ug/L	07/23/04		RM	SW8260
1,1-Dichloroethane	230	10	ug/L	07/23/04		RM	SW8260
1,1-Dichloroethene	16	10	ug/L	07/23/04		RM	SW8260
1,2-Dichloroethane	ND	10	ug/L	07/23/04		RM	SW8260
Benzene	ND	10	ug/L	07/23/04		RM	SW8260
Chlorobenzene	ND	10	ug/L	07/23/04		RM	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Chloroethane	ND	10	ug/L	07/23/04		RM	SW8260
cis-1,2-Dichloroethene	ND	10	ug/L	07/23/04		RM	SW8260
Ethylbenzene	ND	10	ug/L	07/23/04		RM	SW8260
Methyl tert-butyl ether (MTBE)	ND	40	ug/L	07/23/04		RM	SW8260
o-Xylene	ND	10	ug/L	07/23/04		RM	SW8260
p&m-Xylene	ND	10	ug/L	07/23/04		RM	SW8260
Tetrachloroethene	ND	10	ug/L	07/23/04		RM	SW8260
Toluene	12	10	ug/L	07/23/04		RM	SW8260
trans-1,2-Dichloroethene	ND	10	ug/L	07/23/04		RM	SW8260
Trichloroethene	450	10	ug/L	07/23/04		RM	SW8260
Vinyl chloride	ND	10	ug/L	07/23/04		RM	SW8260
<u>QA/QC Surrogates</u>							
%4-Bromofluorobenzene (Surrogate)	93		%	07/23/04		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
September 20, 2004



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

Analysis Report

September 20, 2004

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: SG
Received by: KJB
Analyzed by: see "By" below

Date Time
07/19/04 11:10
07/20/04 10:30

Laboratory Data

SDG I.D.: GAF71884
Phoenix I.D.: AF71886

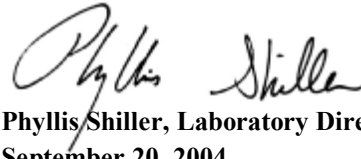
Client ID: NOW CORP TW-1

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1-Trichloroethane	4.7	0.5	ug/L	07/21/04		RM	SW8260
1,1,2-Trichloroethane	ND	0.5	ug/L	07/21/04		RM	SW8260
1,1-Dichloroethane	97	5.0	ug/L	07/21/04		RM	SW8260
1,1-Dichloroethene	15	0.5	ug/L	07/21/04		RM	SW8260
1,2-Dichloroethane	ND	0.5	ug/L	07/21/04		RM	SW8260
Benzene	ND	0.5	ug/L	07/21/04		RM	SW8260
Chlorobenzene	ND	0.5	ug/L	07/21/04		RM	SW8260
Chloroethane	ND	0.5	ug/L	07/21/04		RM	SW8260
cis-1,2-Dichloroethene	2.7	0.5	ug/L	07/21/04		RM	SW8260
Ethylbenzene	ND	0.5	ug/L	07/21/04		RM	SW8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	07/21/04		RM	SW8260
o-Xylene	ND	0.5	ug/L	07/21/04		RM	SW8260
p&m-Xylene	ND	0.5	ug/L	07/21/04		RM	SW8260
Tetrachloroethene	ND	0.5	ug/L	07/21/04		RM	SW8260
Toluene	ND	0.5	ug/L	07/21/04		RM	SW8260
trans-1,2-Dichloroethene	ND	0.5	ug/L	07/21/04		RM	SW8260
Trichloroethene	51	0.5	ug/L	07/21/04		RM	SW8260
Vinyl chloride	ND	0.5	ug/L	07/21/04		RM	SW8260
<u>QA/OC Surrogates</u>							
%4-Bromofluorobenzene (Surrogate)	88		%	07/21/04		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.

A handwritten signature in black ink, appearing to read "Phyllis Shiller". The signature is written in a cursive, flowing style.

Phyllis Shiller, Laboratory Director
September 20, 2004



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

Analysis Report

September 20, 2004

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: SG
Received by: KJB
Analyzed by: see "By" below

Date

07/19/04
07/20/04

Time

11:20
10:30

Laboratory Data

SDG I.D.: GAF71884

Phoenix I.D.: AF71887

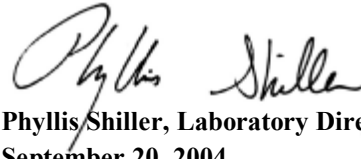
Client ID: NOW CORP TW-2A

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1-Trichloroethane	1500	10	ug/L	07/23/04		RM	SW8260
1,1,2-Trichloroethane	ND	10	ug/L	07/23/04		RM	SW8260
1,1-Dichloroethane	290	10	ug/L	07/23/04		RM	SW8260
1,1-Dichloroethene	22	10	ug/L	07/23/04		RM	SW8260
1,2-Dichloroethane	ND	10	ug/L	07/23/04		RM	SW8260
Benzene	ND	10	ug/L	07/23/04		RM	SW8260
Chlorobenzene	ND	10	ug/L	07/23/04		RM	SW8260
Chloroethane	ND	10	ug/L	07/23/04		RM	SW8260
cis-1,2-Dichloroethene	ND	10	ug/L	07/23/04		RM	SW8260
Ethylbenzene	ND	10	ug/L	07/23/04		RM	SW8260
Methyl tert-butyl ether (MTBE)	ND	40	ug/L	07/23/04		RM	SW8260
o-Xylene	ND	10	ug/L	07/23/04		RM	SW8260
p&m-Xylene	ND	10	ug/L	07/23/04		RM	SW8260
Tetrachloroethene	ND	10	ug/L	07/23/04		RM	SW8260
Toluene	ND	10	ug/L	07/23/04		RM	SW8260
trans-1,2-Dichloroethene	ND	10	ug/L	07/23/04		RM	SW8260
Trichloroethene	590	10	ug/L	07/23/04		RM	SW8260
Vinyl chloride	ND	10	ug/L	07/23/04		RM	SW8260
<u>QA/OC Surrogates</u>							
%4-Bromofluorobenzene (Surrogate)	93		%	07/23/04		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.

A handwritten signature in black ink, appearing to read "Phyllis Shiller". The signature is fluid and cursive, with the first name "Phyllis" written in a larger, more prominent script than the last name "Shiller".

Phyllis Shiller, Laboratory Director
September 20, 2004



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

Analysis Report

September 20, 2004

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: SG
Received by: KJB
Analyzed by: see "By" below

Date Time
07/19/04 11:25
07/20/04 10:30

Laboratory Data

SDG I.D.: GAF71884
Phoenix I.D.: AF71888

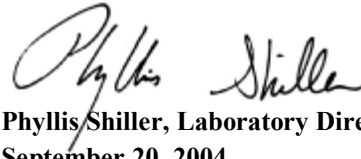
Client ID: NOW CORP TW-3

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1-Trichloroethane	3.9	0.5	ug/L	07/28/04		RM	SW8260
1,1,2-Trichloroethane	ND	0.5	ug/L	07/28/04		RM	SW8260
1,1-Dichloroethane	13	0.5	ug/L	07/28/04		RM	SW8260
1,1-Dichloroethene	ND	0.5	ug/L	07/28/04		RM	SW8260
1,2-Dichloroethane	ND	0.5	ug/L	07/28/04		RM	SW8260
Benzene	ND	0.5	ug/L	07/28/04		RM	SW8260
Chlorobenzene	ND	0.5	ug/L	07/28/04		RM	SW8260
Chloroethane	ND	0.5	ug/L	07/28/04		RM	SW8260
cis-1,2-Dichloroethene	ND	0.5	ug/L	07/28/04		RM	SW8260
Ethylbenzene	ND	0.5	ug/L	07/28/04		RM	SW8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	07/28/04		RM	SW8260
o-Xylene	ND	0.5	ug/L	07/28/04		RM	SW8260
p&m-Xylene	ND	0.5	ug/L	07/28/04		RM	SW8260
Tetrachloroethene	ND	0.5	ug/L	07/28/04		RM	SW8260
Toluene	ND	0.5	ug/L	07/28/04		RM	SW8260
trans-1,2-Dichloroethene	ND	0.5	ug/L	07/28/04		RM	SW8260
Trichloroethene	8.3	0.5	ug/L	07/28/04		RM	SW8260
Vinyl chloride	ND	0.5	ug/L	07/28/04		RM	SW8260
<u>QA/OC Surrogates</u>							
%4-Bromofluorobenzene (Surrogate)	89		%	07/28/04		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.

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

Phyllis Shiller, Laboratory Director
September 20, 2004



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

Analysis Report

September 20, 2004

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: SG
Received by: KJB
Analyzed by: see "By" below

Date

07/19/04
07/20/04

Time

0:00
10:30

Laboratory Data

SDG I.D.: GAF71884

Phoenix I.D.: AF71889

Client ID: NOW CORP TRIP BLANK

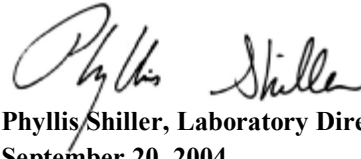
Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1-Trichloroethane	ND	0.5	ug/L	07/21/04		RM	SW8260
1,1,2-Trichloroethane	ND	0.5	ug/L	07/21/04		RM	SW8260
1,1-Dichloroethane	ND	0.5	ug/L	07/21/04		RM	SW8260
1,1-Dichloroethene	ND	0.5	ug/L	07/21/04		RM	SW8260
1,2-Dichloroethane	ND	0.5	ug/L	07/21/04		RM	SW8260
Benzene	ND	0.5	ug/L	07/21/04		RM	SW8260
Chlorobenzene	ND	0.5	ug/L	07/21/04		RM	SW8260
Chloroethane	ND	0.5	ug/L	07/21/04		RM	SW8260
cis-1,2-Dichloroethene	ND	0.5	ug/L	07/21/04		RM	SW8260
Ethylbenzene	ND	0.5	ug/L	07/21/04		RM	SW8260
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	07/21/04		RM	SW8260
o-Xylene	ND	0.5	ug/L	07/21/04		RM	SW8260
p&m-Xylene	ND	0.5	ug/L	07/21/04		RM	SW8260
Tetrachloroethene	ND	0.5	ug/L	07/21/04		RM	SW8260
Toluene	ND	0.5	ug/L	07/21/04		RM	SW8260
trans-1,2-Dichloroethene	ND	0.5	ug/L	07/21/04		RM	SW8260
Trichloroethene	ND	0.5	ug/L	07/21/04		RM	SW8260
Vinyl chloride	ND	0.5	ug/L	07/21/04		RM	SW8260
<u>QA/OC Surrogates</u>							
%4-Bromofluorobenzene (Surrogate)	92		%	07/21/04		RM	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.

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

Phyllis Shiller, Laboratory Director
September 20, 2004



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

September 20, 2004

QA/QC Data

SDG I.D.: GAF71884

Parameter	Blank	LCS %	Dup RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch Sample No: AF71884 (AF71884, AF71885)						
Mercury	BDL	98	NC	83	80	3.7
QA/QC Batch Sample No: AF72076 (AF71884, AF71885)						
<u>ICP Metals - Aqueous</u>						
Aluminum	BDL	104	0.1	110	107	2.8
Antimony	BDL	104	NC	108	105	2.8
Arsenic	BDL	104	NC	110	107	2.8
Barium	BDL	106	NC	108	105	2.8
Beryllium	BDL	105	NC	108	105	2.8
Boron	BDL		BDL			
Cadmium	BDL	108	NC	108	105	2.8
Calcium	BDL		BDL			
Chromium	BDL	105	NC	107	105	1.9
Cobalt	BDL	103	NC	104	102	1.9
Copper	BDL	108	7.40	116	111	4.4
Iron	BDL	107	3.30	110	106	3.7
Lead	BDL	108	NC	109	107	1.9
Magnesium	BDL		BDL			
Manganese	0.001	104	NC	105	103	1.9
Molybdenum	BDL		BDL			
Nickel	BDL	108	NC	109	106	2.8
Phosphorus	BDL		BDL			
Selenium	BDL	105	NC	109	107	1.9
Silver	BDL	108	NC	113	109	3.6
Thallium	BDL	106	NC	107	104	2.8
Tin	BDL		BDL			
Vanadium	BDL	103	NC	105	103	1.9
Zinc	BDL	106	7.60	111	108	2.7
QA/QC Batch Sample No: AF72076 (AF71884, AF71885)						
Lead Analysis by Furnace	BDL	100	0.0	94		NC
QA/QC Batch Sample No: AF72076 (AF71884, AF71885)						
Thallium	BDL	106.7	NC	103.6		NC

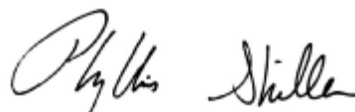
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

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

Phyllis Shiller, Laboratory Director

September 20, 2004



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

September 20, 2004

QA/QC Data

SDG I.D.: GAF71884

Parameter	Blank	LCS Rec %	MS Rec %	RPD
QA/QC Batch Sample No: AF71477 (AF71884) Tot. Diss. Solids	BDL	95	NR	5.6
QA/QC Batch Sample No: AF71477 (AF71884) Total Suspended Solids	BDL	100	NR	NC
QA/QC Batch Sample No: AF71558 (AF71884, AF71885) Oil and Grease by EPA 1664	BDL	95		NR
QA/QC Batch Sample No: AF71600 (AF71884) Total Suspended Solids	BDL	84	NR	10.5
QA/QC Batch Sample No: AF71884 (AF71884) Total Cyanide	BDL	106	99.2	NC
QA/QC Batch Sample No: AF71885 (AF71885) Total Cyanide	BDL	102	95.8	NC
QA/QC Batch Sample No: AF71980 (AF71885) Total Suspended Solids	BDL	103	NR	37.0
QA/QC Batch Sample No: AF72514 (AF71885) Tot. Diss. Solids	BDL	96	NR	10.5

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
September 20, 2004



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

September 20, 2004

QA/QC Data

SDG I.D.: GAF71884

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch Sample No: AF72177 (AF71884, AF71886, AF71889)					
<u>Volatiles Organics</u>					
1,1,1,2-Tetrachloroethane	ND	100			
1,1,1-Trichloroethane	ND	103			
1,1,2,2-Tetrachloroethane	ND	95			
1,1,2-Trichloroethane	ND	102			
1,1-Dichloroethane	ND	98			
1,1-Dichloroethene	ND	106			
1,1-Dichloropropene	ND	106			
1,2,3-Trichlorobenzene	ND	90			
1,2,3-Trichloropropane	ND	100			
1,2,3-Trimethylbenzene	ND				
1,2,4-Trichlorobenzene	ND	90			
1,2,4-Trimethylbenzene	ND	105			
1,2-Dibromo-3-chloropropane	ND	91			
1,2-Dichlorobenzene	ND	98			
1,2-Dichloroethane	ND	93			
1,2-Dichloropropane	ND	102			
1,3,5-Trimethylbenzene	ND	106			
1,3-Dichlorobenzene	ND	98			
1,3-Dichloropropane	ND	97			
1,4-Dichlorobenzene	ND	98			
2,2-Dichloropropane	ND	82			
2-Chlorotoluene	ND	104			
4-Chlorotoluene	ND	109			
Benzene	ND	103	95	92	3.2
Bromobenzene	ND	101			
Bromochloromethane	ND	107			
Bromodichloromethane	ND	94			
Bromoform	ND	91			
Bromomethane	ND	92			
Carbon Tetrachloride	ND	96			
Chlorobenzene	ND	106	100	96	4.1
Chloroethane	ND	95			

QA/QC Data

SDG I.D.: GAF71884

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Chloroform	ND	101			
Chloromethane	ND	106			
cis-1,2-Dichloroethene	ND	108			
cis-1,3-Dichloropropene	ND	98			
Dibromochloromethane	ND	99			
Dibromoethane	ND	98			
Dibromomethane	ND	97			
Dichlorodifluoromethane	ND	135			
Ethylbenzene	ND	108			
Hexachlorobutadiene	ND	95			
Isopropylbenzene	ND	119			
m&p-Xylene	ND	103			
Methyl t Butyl Ether (MTBE)	ND				
Methylene Chloride	ND	97			
n-Butylbenzene	ND	102			
n-Propylbenzene	ND	105			
Naphthalene	ND	98			
o-Xylene	ND	102			
p-Isopropyltoluene	ND	106			
sec-Butylbenzene	ND	99			
Styrene	ND	107			
tert-Butylbenzene	ND	105			
Tetrachloroethene	ND	103			
Toluene	ND	103	93	86	7.8
Total Trihalomethanes (TTHM)	ND				
trans-1,2-Dichloroethene	ND	103			
trans-1,3-Dichloropropene	ND	90			
Trichloroethene	ND	110	96	90	6.5
Trichlorofluoromethane	ND	110			
Vinyl Chloride	ND	121			
% Bromofluorobenzene	92	101	92	91	1.1

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

QA/QC Batch Sample No: AF73022 (AF71885, AF71886, AF71887, AF71888)

Volatiles Organics

1,1,1,2-Tetrachloroethane	ND	99			
1,1,1-Trichloroethane	ND	99			
1,1,2,2-Tetrachloroethane	ND	94			
1,1,2-Trichloroethane	ND	100			
1,1-Dichloroethane	ND	97			
1,1-Dichloroethene	ND	100	118	105	11.7
1,1-Dichloropropene	ND	101			

QA/QC Data

SDG I.D.: GAF71884

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
1,2,3-Trichlorobenzene	ND	90			
1,2,3-Trichloropropane	ND	103			
1,2,3-Trimethylbenzene	ND				
1,2,4-Trichlorobenzene	ND	88			
1,2,4-Trimethylbenzene	ND	103			
1,2-Dibromo-3-chloropropane	ND	98			
1,2-Dichlorobenzene	ND	99			
1,2-Dichloroethane	ND	92			
1,2-Dichloropropane	ND	100			
1,3,5-Trimethylbenzene	ND	107			
1,3-Dichlorobenzene	ND	99			
1,3-Dichloropropane	ND	98			
1,4-Dichlorobenzene	ND	99			
2,2-Dichloropropane	ND	86			
2-Chlorotoluene	ND	101			
4-Chlorotoluene	ND	106			
Benzene	ND	97	100	98	2.0
Bromobenzene	ND	103			
Bromochloromethane	ND	106			
Bromodichloromethane	ND	93			
Bromoform	ND	94			
Bromomethane	ND	118			
Carbon Tetrachloride	ND	94			
Chlorobenzene	ND	102	109	100	8.6
Chloroethane	ND	105			
Chloroform	ND	99			
Chloromethane	ND	117			
cis-1,2-Dichloroethene	ND	106			
cis-1,3-Dichloropropene	ND	99			
Dibromochloromethane	ND	100			
Dibromoethane	ND	97			
Dibromomethane	ND	96			
Dichlorodifluoromethane	ND				
Ethylbenzene	ND	106			
Hexachlorobutadiene	ND	91			
Isopropylbenzene	ND	115			
m&p-Xylene	ND	104			
Methyl t Butyl Ether (MTBE)	ND				
Methylene Chloride	ND	89			
n-Butylbenzene	ND	100			
n-Propylbenzene	ND	108			
Naphthalene	ND	98			

QA/QC Data

SDG I.D.: GAF71884

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
o-Xylene	ND	105			
p-Isopropyltoluene	ND	106			
sec-Butylbenzene	ND	97			
Styrene	ND	105			
tert-Butylbenzene	ND	102			
Tetrachloroethene	ND	101			
Toluene	ND	99	102	95	7.1
Total Trihalomethanes (TTHM)	ND				
trans-1,2-Dichloroethene	ND	105			
trans-1,3-Dichloropropene	ND	92			
Trichloroethene	ND	111	104	98	5.9
Trichlorofluoromethane	ND	93			
Vinyl Chloride	ND	121			
% Bromofluorobenzene	93	95	91	94	3.2

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

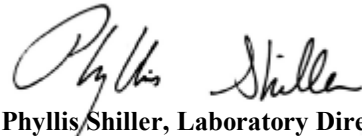
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

RPD - Relative Percent Difference

LCS - Laboratory Control Sample



Phyllis Shiller, Laboratory Director

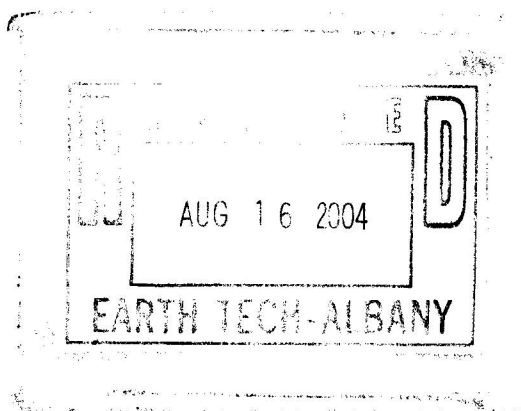
September 20, 2004

Project Number		Project Name/Client		Custody Seal #		Rust E&I Cooler #	
55849.01		Earth Tech					
Sample Custodian: (Signature)				Matrix			
Steve Gray							
Item No.	Sample Description (Field ID Number)	Date	Time	Grab	Comp.	PID Reading (ppm)	Label Number
1	EFF	7/04	7/9/04 10:35	X			71884
2			10:40				
3			10:45				
4			10:50				
5			10:55				
6	INF	7/04	11:35				71885
7			11:40				
8			11:45				
9			11:50				
10			11:55				
11	TW-1		11:10				71886
12	TW-2A		11:20				71887
13	TW-3		11:25	Y			71888
14	Trip Blank						71889
15							
16							
17							
18							
Relinquished by: (Signature)				Date / Time		Received by: (Signature)	
Steve Gray				7/10/04 1:00		Steve Gray	
Relinquished by: (Signature)				Date / Time		Received by: (Signature)	
				7/10/04 10:30		JD	
Remarks:				Check Delivery Method:			
				☐ Samples delivered in person ☐ Common carrier			
Send Lab Results To:				Laboratory Receiving Notes:			
Steve Chomiere							
Earth Tech				Custody Seal Intact?			
40 British American Blvd.				Temp. of Shipping Container:			
Latham NY 12110				Sample Condition:			

**INFLUENT & EFFLUENT AIR
ANALYTICAL REPORT**

07/30/2004

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



Project Reference: NOW Corp., 55849.01
Lab Number: A4072001-01/06

Enclosed are results for sample(s) received 7/20/04 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 7/28/04.

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: 07/20/04
Matrix: Air
Units: ppbv

EPA Method TO14											
Lab No:		A4072001-01		A4072001-02		A4072001-03		A4072001-04		A4072001-05	
Client Sample I.D.:		TW - 1VE 7/04		TW - 2AVE 7/04		ST - 1 7/04		PAS 7/04		SVE - EXH 7/04	
Date Sampled:		07/19/04		07/19/04		07/19/04		07/19/04		07/19/04	
Date Analyzed:		07/21/04		07/21/04		07/21/04		07/21/04		07/21/04	
QC Batch No:		040721MS2A1		040721MS2A1		040721MS2A1		040721MS2A1		040721MS2A1	
Analyst Initials:		SC		SC		SC		SC		SC	
Dilution Factor:		1.0		1.0		1.0		5.0		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	5.0	ND	1.0
Chloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0	ND	1.0
1,1-Dichloroethene	1.0	5.4	1.0	4.3	1.0	4.2	1.0	20	5.0	4.3	1.0
1,1-Dichloroethane	1.0	22	1.0	17	1.0	18	1.0	260	5.0	9.6	1.0
c-1,2-Dichloroethene	1.0	7.6	1.0	6.5	1.0	6.7	1.0	10	5.0	2.3	1.0
1,1,1-Trichloroethane	1.0	51	1.0	37	1.0	37	1.0	990	5.0	ND	1.0
Benzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0	ND	1.0
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0	ND	1.0
Trichloroethene	1.0	210	1.0	180	1.0	180	1.0	360	5.0	ND	1.0
Toluene	1.0	5.0	1.0	5.7	1.0	6.1	1.0	5.0	5.0	5.4	1.0
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0	ND	1.0
Tetrachloroethene	1.0	2.1	1.0	2.6	1.0	2.3	1.0	ND	5.0	2.0	1.0
Chlorobenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0	ND	1.0
Ethylbenzene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0	ND	1.0
p,&m-Xylene	1.0	1.5	1.0	1.7	1.0	1.5	1.0	ND	5.0	1.4	1.0
o-Xylene	1.0	ND	1.0	ND	1.0	ND	1.0	ND	5.0	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

7-28-04

The cover letter is an integral part of this analytical report



Page1 of 1

EPA Method TO14											
Lab No:		A4072001-06									
Client Sample I.D.:		ST - 4 7/04									
Date Sampled:		07/19/04									
Date Analyzed:		07/21/04									
QC Batch No:		040721MS2A1									
Analyst Initials:		SC									
Dilution Factor:		1.0									
ANALYTE	PQL	Result	RL								
Vinyl Chloride	1.0	1.3	1.0								
Chloroethane	1.0	ND	1.0								
1,1-Dichloroethene	1.0	1.6	1.0								
1,1-Dichloroethane	1.0	ND	1.0								
c-1,2-Dichloroethene	1.0	ND	1.0								
1,1,1-Trichloroethane	1.0	ND	1.0								
Benzene	1.0	ND	1.0								
1,2-Dichloroethane	1.0	ND	1.0								
Trichloroethene	1.0	ND	1.0								
Toluene	1.0	5.6	1.0								
1,1,2-Trichloroethane	1.0	ND	1.0								
Tetrachloroethene	1.0	2.1	1.0								
Chlorobenzene	1.0	ND	1.0								
Ethylbenzene	1.0	ND	1.0								
p,&m-Xylene	1.0	1.4	1.0								
o-Xylene	1.0	ND	1.0								

Reviewed/Approved By: Mark Johnson
Mark Johnson
Air Toxics Operations Manager

Date 7-28-04

The cover letter is an integral part of this analytical report



LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 040721MS2A1

Matrix: Air

EPA Method TO-14/TO-15											
Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	07/21/04		07/21/04		07/21/04						
Data File ID:	21JUL006.D		21JUL003.D		21JUL004.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	9.2	92	9.1	91	1.2	70	130	30	Pass
Methylene Chloride	0.0	10.0	10.2	102	9.4	94	8.3	70	130	30	Pass
Trichloroethene	0.0	10.0	10.6	106	10.4	104	2.1	70	130	30	Pass
Toluene	0.0	10.0	9.4	94	9.0	90	3.9	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	10.5	105	10.3	103	2.4	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date:

7-28-04

The cover letter is an integral part of this analytical report



44072001

Chain of Custody Record



A **tyco** INTERNATIONAL LTD. COMPANY

Project Number 55849 .01		Project Name/Client EARTH TECH		Custody Seal #		Rust E&I Cooler #	
Sample Custodian (Signature) <i>Steve Choimere</i>		Sample Description (Field ID Number)		Analysis Required		Matrix	
Item No.	Date	Time	Grab	Comp.	PHD Reading (ppm)	Label Number	
1	TW - IUE 7/04	7/19/04 12:30	N/A	N/A			
2	TW - 2AUE 7/04	12:35					
3	ST-1 7/04	12:40					
4	PAS 7/04	12:25					
5	SUE-EXH 7/04	12:15					
6	ST-4 7/04	12:20	Y	Y			
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
Relinquished by: (Signature) <i>Roger Gray</i>		Date / Time 7/19/04 11:00		Received by: (Signature) <i>RED EX</i>		Disposed of by: (Signature)	
Relinquished by: (Signature) <i>RED EX</i>		Date / Time 7/20/04 10:00		Received by: (Signature) <i>Steve Choimere</i>		Disposed of by: (Signature)	
Send Lab Results To: Steve Choimere Earth Tech 40 British American Blvd Latham NY 12110				Check Delivery Method: ☐ Samples delivered in person ☒ Common carrier			
Remarks: Send Enough Bags back with cooler for next Sample Event				Laboratory Receiving Notes: Custody Seal Intact? Yes Temp. of Shipping Container: N/A Sample Condition: OK			
Federal Express Airbill No.: C/O Roger Gray				Date / Time			