

**Operation, Maintenance and Monitoring Report
August 2006**

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

**Work Assignment No.
D004445-4**

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**



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October 25, 2006

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

Re: NOW Corporation - Site #3-14-008
Monthly Summary Report – “August” 2006

Dear Mr. Hoffman:

Enclosed is a monthly summary report on 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 groundwater pump-and-treat (P&T) system for a 26-day period (**July 27, 2006 – August 22, 2006**).

With the exceptions noted below (if any), the P&T system was online and operational throughout the reporting period. More than 190,000 gallons of water were treated during the period. Using that figure, discharge from the treatment system averaged approximately 7,300 gallons per day (gpd). During the prior reporting period, the average discharge was 21,700 gpd. The totalizing flow meter was apparently not working since some unknown time prior to the August site visit, nor did the technician notice that it wasn't working at the time of the visit. Therefore, discharge for the reporting period is understated, probably by roughly 8,700 gpd, or 225,000 gallons.

As of the last day of the reporting period, a total of 53,794,900 gallons of groundwater (understated by perhaps 225,000 gallons) 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 August 22, 2006. There were **no exceedances** of effluent limitations. A copy of the laboratory data report is included in this report.

Table 2 summarizes selected operational data recorded on the last day of the reporting period. The quarterly water level measurements were taken during the August 22nd service visit and are recorded in Table 3.

Earth Tech made one site visit during the reporting period to conduct the required system inspection, perform scheduled and/or unscheduled maintenance, and to collect water samples. The July 27th service visit was described in the previous report. Details for this reporting period follow:

August 22nd – Monthly system inspection and sampling. Quarterly monitoring well water level measurements were taken. The pumping rate for pumping wells TW-3 and TW-2A was reduced.

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

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Mr. Carl Hoffman
NYSDEC

Project Manager

Attachments

TABLES

Table 1
Summary of Influent and Effluent Data
Sampling Date: August 22, 2006
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		7,308				Monitor	gpd
pH	6.8	7.1	NA	NA	NA	6.5 to 8.5	standard units
Oil and Grease	<5	<5	NA	NA	NA	15	mg/L
Total Cyanide	<10	<10	NA	NA	NA	10	ug/L
TDS	290	270	NA	NA	NA	1000	mg/L
TSS	<10	<10	NA	NA	NA	50	mg/L
Aluminum, Total	<200	<200	NA	NA	NA	2000	ug/L
Arsenic, Total	<20	<20	NA	NA	NA	50	ug/L
Barium, Total	<200	<200	NA	NA	NA	2000	ug/L
Chromium	<20	<20	NA	NA	NA	100	ug/L
Copper	<25	<25	NA	NA	NA	24	ug/L
Iron	<200	<200	NA	NA	NA	600	ug/L
Mercury	<0.28	<0.28	NA	NA	NA	0.8	ug/L
Manganese	190	94	NA	NA	NA	600	ug/L
Nickel	<50	<50	NA	NA	NA	200	ug/L
Zinc	<50	<50	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	1000	<0.5	2.0 J	1400 D	38 D	5	ug/L
1,1,2-Trichloroethane	<25	<0.5	<2.5	<25	<0.5	1.2	ug/L
1,1-Dichloroethane	230	<0.5	80	300	29 D	5	ug/L
1,1-Dichloroethene	21 J	<0.5	11	26	2.4	0.5	ug/L
1,2-Dichloroethane	<25	<0.5	<2.5	<25	<0.5	1.6	ug/L
Benzene	<25	<0.5	<2.5	<25	<0.5	0.8	ug/L
Chlorobenzene	<25	<0.5	<2.5	18 J	<0.5	5	ug/L
Chloroethane	<25	<0.5	<2.5	<25	<0.5	5	ug/L
cis-1,2-Dichloroethene	<25	<0.5	2.5 J	22 J	0.37 J	5	ug/L
Ethylbenzene	<25	<0.5	<2.5	<25	<0.5	5	ug/L
Methyl tert-butyl ether	<25	<0.5	<2.5	<25	<0.5	5	ug/L
o-Xylene	<25	<0.5	<2.5	<25	<0.5	5	ug/L
p&m-Xylene	<25	<0.5	<2.5	<25	<0.5	10	ug/L
Tetrachloroethene	<25	<0.5	<2.5	<25	<0.5	1.4	ug/L
Toluene	<25	<0.5	<2.5	<25	<0.5	5	ug/L
trans-1,2-Dichloroethene	<25	<0.5	<2.5	<25	<0.5	5	ug/L
Trichloroethene	470	<0.5	43	570	10	5	ug/L
Vinyl Chloride	<25	<0.5	<2.5	<25	<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 August 2006 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		8/22/06	Units
<i>TW-1</i>			
	Pumping Rate	2	GPM
	Water Level Above Transducer	33.95	feet
	Flow Meter Reading	3,598,700	gallons
	Pump Pressure	82	psi
<i>TW-2A</i>			
	Pumping Rate	8	GPM
	Water Level Above Transducer	22.51	feet
	Flow Meter Reading	7,194,600	gallons
	Pump Pressure	25	psi
<i>TW-3</i>			
	Pumping Rate	2	GPM
	Water Level Above Transducer	25.04	feet
	Flow Meter Reading	3,035,500	gallons
	Pump Pressure	74	psi
<i>Air Stripper</i>			
	Stripper Blower Pressure	18	inches H ₂ O
	Air Temperature in Stripper	52	°F
	Pressure Gauge - Left Leg	0.8	inches H ₂ O
	Pressure Gauge - Right Leg	0.6	inches H ₂ O
	Pressure/Vacuum on the Stripper	-	inches H ₂ O
<i>Effluent Flow</i>			
	Total System Meter Reading	53,794,900	gallons
	IW-1 Flow Meter Reading	-	gallons
	IW-2 Flow Meter Reading	-	gallons
<i>Vapor Extraction System</i>			
	Vapor Blower Vacuum	Offline	inches Hg
	Vacuum before Filter with Dilution Air	"	inches Hg
	Vacuum on Knock-out Pot	"	inches Hg
	Blower Inlet Temperature	"	°F
	Blower Outlet Temperature	"	°F
	Pressure After Blower	"	psi
	Heat Exchanger Outlet Temperature	"	°F

Table 3
August 2006 Groundwater Levels

NOW Corporation Site
Town of Clinton, New York

Well ID	MP Elevation	8/22/06	
		Depth to Water (Ft below MP)	GW Elevation
MW-1	289.50	16.45	273.05
MW-2	332.51	34.00	298.51
MW-3	312.83	33.58	279.25
MW-3S	312.51	28.29	284.22
MW-4	298.29	25.40	272.89
MW-4D	298.16	25.26	272.90
MW-5	285.48	20.33	265.15
MW-6S	287.90	22.72	265.18
MW-6D	287.25	14.09	273.16
MW-7S	292.12	31.61	260.51
MW-7D	292.54	75.46	217.08
OW-1	307.75	58.48	249.27
OW-2	305.96	75.20	230.76
OW-6	294.81	8.83	285.98
IW-1	312.46	39.00	273.46
IW-2	306.56	43.50	263.06
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.

**INFLUENT & EFFLUENT WATER
ANALYTICAL REPORT**



Client: Earth Tech

Client Project: NOW Corp, 55849.01, 08/06

Lab Work Order: E1286

Date samples received: 8/23/06

Project Narrative

This data report includes the analysis results for six (6) aqueous samples that were received from Earth Tech on August 23, 2006. Analyses were performed per specification in the Chain of Custody form, with the exception described below. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and laboratory sample ID.

Mitkem could not perform volatile organics analysis by Method 8260 to meet a 0.5ppb reporting limit due to capacity commitments to the EPA. Instead, the samples were analyzed for volatile organics to a 0.5ppb reporting limit using EPA CLP Statement of Work method OLC03.2. This is a very similar technical approach to Method 8260, and generates data comparable to that method. All of the analyses were performed according to method specifications. Project-specific lists of volatile organic compounds are reported per project specifications.

Surrogate recoveries were within the QC acceptance criteria for the volatile organic analysis. Please note that the OLC03.2 method allows up to 3 out of the 14 surrogates to be outside of the QC limits. Laboratory control samples are not analyzed as a part of the OLC03.2 method. Due to elevated concentrations of target analytes, the following samples were initially analyzed at dilution: INF 8/06 (50X), TW-1 (5X), TW-2A (50X) and TW-3 (3X). Sample TW-2A was reanalyzed at a 80X dilution.

Spike recoveries were within the QC limits in the laboratory control samples for oil & grease, metals, total dissolved solids, total suspended solids and cyanide analyses. Duplicate analyses were performed for cyanide, total dissolved solids and total suspended solids, and matrix spike analysis was performed for cyanide on sample EFF. Spike recovery and replicate RPD were within the QC limits.

No other unusual occurrences were noted during sample analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

This data report has been reviewed and is authorized for release as evidenced by the signature below.

A handwritten signature in cursive script, appearing to read "Edward A. Lawler".

Edward A. Lawler
Laboratory Operations Manager

Mitkem Corporation

Date: 27-Sep-06

Client: Earth Tech

Client Sample ID: EFF 8/06

Lab ID: E1286-01

Project: NOW Corp. Site

Collection Date: 08/22/06 12:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
OLC 3.2 VOA BY GC-MS			OLC3.2_VOA				
Vinyl chloride	ND		0.50	µg/L	1	08/25/2006 11:55	25521
Chloroethane	ND		0.50	µg/L	1	08/25/2006 11:55	25521
1,1-Dichloroethene	ND		0.50	µg/L	1	08/25/2006 11:55	25521
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	08/25/2006 11:55	25521
Methyl tert-butyl ether	ND		0.50	µg/L	1	08/25/2006 11:55	25521
1,1-Dichloroethane	ND		0.50	µg/L	1	08/25/2006 11:55	25521
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	08/25/2006 11:55	25521
1,1,1-Trichloroethane	ND		0.50	µg/L	1	08/25/2006 11:55	25521
Benzene	ND		0.50	µg/L	1	08/25/2006 11:55	25521
1,2-Dichloroethane	ND		0.50	µg/L	1	08/25/2006 11:55	25521
Trichloroethene	ND		0.50	µg/L	1	08/25/2006 11:55	25521
Toluene	ND		0.50	µg/L	1	08/25/2006 11:55	25521
1,1,2-Trichloroethane	ND		0.50	µg/L	1	08/25/2006 11:55	25521
Tetrachloroethene	ND		0.50	µg/L	1	08/25/2006 11:55	25521
Chlorobenzene	ND		0.50	µg/L	1	08/25/2006 11:55	25521
Ethylbenzene	ND		0.50	µg/L	1	08/25/2006 11:55	25521
m,p-Xylene	ND		0.50	µg/L	1	08/25/2006 11:55	25521
o-Xylene	ND		0.50	µg/L	1	08/25/2006 11:55	25521
Surr: Vinyl chloride-d3	96.4		49-138	%REC	1	08/25/2006 11:55	25521
Surr: Chloroethane-d5	116		60-126	%REC	1	08/25/2006 11:55	25521
Surr: 1,1-Dichloroethene-d2	84.7		65-130	%REC	1	08/25/2006 11:55	25521
Surr: 2-Butanone-d5	74.0		42-171	%REC	1	08/25/2006 11:55	25521
Surr: Chloroform-d	90.6		80-123	%REC	1	08/25/2006 11:55	25521
Surr: 1,2-Dichloroethane-d4	88.9		78-129	%REC	1	08/25/2006 11:55	25521
Surr: Benzene-d6	83.3		78-121	%REC	1	08/25/2006 11:55	25521
Surr: 1,2-Dichloropropane-d6	94.1		84-123	%REC	1	08/25/2006 11:55	25521
Surr: Toluene-d8	89.9		77-120	%REC	1	08/25/2006 11:55	25521
Surr: trans-1,3-Dichloropropene-d4	82.4		80-128	%REC	1	08/25/2006 11:55	25521
Surr: 2-Hexanone-d5	55.3		37-169	%REC	1	08/25/2006 11:55	25521
Surr: Bromoform-d	95.4		76-135	%REC	1	08/25/2006 11:55	25521
Surr: 1,1,2,2-Tetrachloroethane-d2	90.4		75-131	%REC	1	08/25/2006 11:55	25521
Surr: 1,2-Dichlorobenzene-d4	98.6		50-150	%REC	1	08/25/2006 11:55	25521

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0004

Mitkem Corporation

Date: 27-Sep-06

Client: Earth Tech
Client Sample ID: INF 8/06
Lab ID: E1286-02

Project: NOW Corp. Site
Collection Date: 08/22/06 12:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
OLC 3.2 VOA BY GC-MS			OLC3.2_VOA				
Vinyl chloride	ND		25	µg/L	50	08/26/2006 15:03	25560
Chloroethane	ND		25	µg/L	50	08/26/2006 15:03	25560
1,1-Dichloroethene	21	J	25	µg/L	50	08/26/2006 15:03	25560
trans-1,2-Dichloroethene	ND		25	µg/L	50	08/26/2006 15:03	25560
Methyl tert-butyl ether	ND		25	µg/L	50	08/26/2006 15:03	25560
1,1-Dichloroethane	230		25	µg/L	50	08/26/2006 15:03	25560
cis-1,2-Dichloroethene	ND		25	µg/L	50	08/26/2006 15:03	25560
1,1,1-Trichloroethane	1000		25	µg/L	50	08/26/2006 15:03	25560
Benzene	ND		25	µg/L	50	08/26/2006 15:03	25560
1,2-Dichloroethane	ND		25	µg/L	50	08/26/2006 15:03	25560
Trichloroethene	470		25	µg/L	50	08/26/2006 15:03	25560
Toluene	ND		25	µg/L	50	08/26/2006 15:03	25560
1,1,2-Trichloroethane	ND		25	µg/L	50	08/26/2006 15:03	25560
Tetrachloroethene	ND		25	µg/L	50	08/26/2006 15:03	25560
Chlorobenzene	ND		25	µg/L	50	08/26/2006 15:03	25560
Ethylbenzene	ND		25	µg/L	50	08/26/2006 15:03	25560
m,p-Xylene	ND		25	µg/L	50	08/26/2006 15:03	25560
o-Xylene	ND		25	µg/L	50	08/26/2006 15:03	25560
Surr: Vinyl chloride-d3	96.8		49-138	%REC	50	08/26/2006 15:03	25560
Surr: Chloroethane-d5	114		60-126	%REC	50	08/26/2006 15:03	25560
Surr: 1,1-Dichloroethene-d2	87.4		65-130	%REC	50	08/26/2006 15:03	25560
Surr: 2-Butanone-d5	92.8		42-171	%REC	50	08/26/2006 15:03	25560
Surr: Chloroform-d	106		80-123	%REC	50	08/26/2006 15:03	25560
Surr: 1,2-Dichloroethane-d4	99.0		78-129	%REC	50	08/26/2006 15:03	25560
Surr: Benzene-d6	99.9		78-121	%REC	50	08/26/2006 15:03	25560
Surr: 1,2-Dichloropropane-d6	112		84-123	%REC	50	08/26/2006 15:03	25560
Surr: Toluene-d8	104		77-120	%REC	50	08/26/2006 15:03	25560
Surr: trans-1,3-Dichloropropene-d4	98.9		80-128	%REC	50	08/26/2006 15:03	25560
Surr: 2-Hexanone-d5	54.7		37-169	%REC	50	08/26/2006 15:03	25560
Surr: Bromoform-d	106		76-135	%REC	50	08/26/2006 15:03	25560
Surr: 1,1,2,2-Tetrachloroethane-d2	103		75-131	%REC	50	08/26/2006 15:03	25560
Surr: 1,2-Dichlorobenzene-d4	105		50-150	%REC	50	08/26/2006 15:03	25560

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0005

Mitkem Corporation

Date: 27-Sep-06

Client: Earth Tech

Client Sample ID: TW-1

Lab ID: E1286-03

Project: NOW Corp. Site

Collection Date: 08/22/06 0:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
OLC 3.2 VOA BY GC-MS			OLC3.2_VOA				
Vinyl chloride	ND		2.5	µg/L	5	08/26/2006 15:34	25560
Chloroethane	ND		2.5	µg/L	5	08/26/2006 15:34	25560
1,1-Dichloroethene	11		2.5	µg/L	5	08/26/2006 15:34	25560
trans-1,2-Dichloroethene	ND		2.5	µg/L	5	08/26/2006 15:34	25560
Methyl tert-butyl ether	ND		2.5	µg/L	5	08/26/2006 15:34	25560
1,1-Dichloroethane	80		2.5	µg/L	5	08/26/2006 15:34	25560
cis-1,2-Dichloroethene	2.5	J	2.5	µg/L	5	08/26/2006 15:34	25560
1,1,1-Trichloroethane	2.0	J	2.5	µg/L	5	08/26/2006 15:34	25560
Benzene	ND		2.5	µg/L	5	08/26/2006 15:34	25560
1,2-Dichloroethane	ND		2.5	µg/L	5	08/26/2006 15:34	25560
Trichloroethene	43		2.5	µg/L	5	08/26/2006 15:34	25560
Toluene	ND		2.5	µg/L	5	08/26/2006 15:34	25560
1,1,2-Trichloroethane	ND		2.5	µg/L	5	08/26/2006 15:34	25560
Tetrachloroethene	ND		2.5	µg/L	5	08/26/2006 15:34	25560
Chlorobenzene	ND		2.5	µg/L	5	08/26/2006 15:34	25560
Ethylbenzene	ND		2.5	µg/L	5	08/26/2006 15:34	25560
m,p-Xylene	ND		2.5	µg/L	5	08/26/2006 15:34	25560
o-Xylene	ND		2.5	µg/L	5	08/26/2006 15:34	25560
Surr: Vinyl chloride-d3	89.8		49-138	%REC	5	08/26/2006 15:34	25560
Surr: Chloroethane-d5	103		60-126	%REC	5	08/26/2006 15:34	25560
Surr: 1,1-Dichloroethene-d2	87.2		65-130	%REC	5	08/26/2006 15:34	25560
Surr: 2-Butanone-d5	103		42-171	%REC	5	08/26/2006 15:34	25560
Surr: Chloroform-d	98.3		80-123	%REC	5	08/26/2006 15:34	25560
Surr: 1,2-Dichloroethane-d4	95.2		78-129	%REC	5	08/26/2006 15:34	25560
Surr: Benzene-d6	91.0		78-121	%REC	5	08/26/2006 15:34	25560
Surr: 1,2-Dichloropropane-d6	100		84-123	%REC	5	08/26/2006 15:34	25560
Surr: Toluene-d8	96.0		77-120	%REC	5	08/26/2006 15:34	25560
Surr: trans-1,3-Dichloropropene-d4	89.7		80-128	%REC	5	08/26/2006 15:34	25560
Surr: 2-Hexanone-d5	72.1		37-169	%REC	5	08/26/2006 15:34	25560
Surr: Bromoform-d	92.8		76-135	%REC	5	08/26/2006 15:34	25560
Surr: 1,1,2,2-Tetrachloroethane-d2	89.0		75-131	%REC	5	08/26/2006 15:34	25560
Surr: 1,2-Dichlorobenzene-d4	102		50-150	%REC	5	08/26/2006 15:34	25560

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

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Mitkem Corporation

Date: 27-Sep-06

Client: Earth Tech

Client Sample ID: TW-2A

Lab ID: E1286-04

Project: NOW Corp. Site

Collection Date: 08/22/06 12:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
OLC 3.2 VOA BY GC-MS			OLC3.2_VOA				
Vinyl chloride	ND		25	µg/L	50	08/25/2006 19:23	25521
Chloroethane	ND		25	µg/L	50	08/25/2006 19:23	25521
1,1-Dichloroethene	26		25	µg/L	50	08/25/2006 19:23	25521
trans-1,2-Dichloroethene	ND		25	µg/L	50	08/25/2006 19:23	25521
Methyl tert-butyl ether	ND		25	µg/L	50	08/25/2006 19:23	25521
1,1-Dichloroethane	300		25	µg/L	50	08/25/2006 19:23	25521
cis-1,2-Dichloroethene	22	J	25	µg/L	50	08/25/2006 19:23	25521
1,1,1-Trichloroethane	1400	E	25	µg/L	50	08/25/2006 19:23	25521
Benzene	ND		25	µg/L	50	08/25/2006 19:23	25521
1,2-Dichloroethane	ND		25	µg/L	50	08/25/2006 19:23	25521
Trichloroethene	570		25	µg/L	50	08/25/2006 19:23	25521
Toluene	ND		25	µg/L	50	08/25/2006 19:23	25521
1,1,2-Trichloroethane	ND		25	µg/L	50	08/25/2006 19:23	25521
Tetrachloroethene	ND		25	µg/L	50	08/25/2006 19:23	25521
Chlorobenzene	18	J	25	µg/L	50	08/25/2006 19:23	25521
Ethylbenzene	ND		25	µg/L	50	08/25/2006 19:23	25521
m,p-Xylene	ND		25	µg/L	50	08/25/2006 19:23	25521
o-Xylene	ND		25	µg/L	50	08/25/2006 19:23	25521
Surr: Vinyl chloride-d3	81.3		49-138	%REC	50	08/25/2006 19:23	25521
Surr: Chloroethane-d5	95.6		60-126	%REC	50	08/25/2006 19:23	25521
Surr: 1,1-Dichloroethene-d2	77.2		65-130	%REC	50	08/25/2006 19:23	25521
Surr: 2-Butanone-d5	97.4		42-171	%REC	50	08/25/2006 19:23	25521
Surr: Chloroform-d	93.6		80-123	%REC	50	08/25/2006 19:23	25521
Surr: 1,2-Dichloroethane-d4	92.2		78-129	%REC	50	08/25/2006 19:23	25521
Surr: Benzene-d6	84.2		78-121	%REC	50	08/25/2006 19:23	25521
Surr: 1,2-Dichloropropane-d6	89.6		84-123	%REC	50	08/25/2006 19:23	25521
Surr: Toluene-d8	88.9		77-120	%REC	50	08/25/2006 19:23	25521
Surr: trans-1,3-Dichloropropene-d4	79.4	S	80-128	%REC	50	08/25/2006 19:23	25521
Surr: 2-Hexanone-d5	60.2		37-169	%REC	50	08/25/2006 19:23	25521
Surr: Bromoform-d	89.5		76-135	%REC	50	08/25/2006 19:23	25521
Surr: 1,1,2,2-Tetrachloroethane-d2	88.8		75-131	%REC	50	08/25/2006 19:23	25521
Surr: 1,2-Dichlorobenzene-d4	98.9		50-150	%REC	50	08/25/2006 19:23	25521

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0007

Mitkem Corporation

Date: 27-Sep-06

Client: Earth Tech
Client Sample ID: TW-2A
Lab ID: E1286-04

Project: NOW Corp. Site
Collection Date: 08/22/06 12:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
OLC 3.2 VOA BY GC-MS		OLC3.2_VOA					
Vinyl chloride	ND		40	µg/L	80	08/26/2006 16:38	25560
Chloroethane	ND		40	µg/L	80	08/26/2006 16:38	25560
1,1-Dichloroethene	26	J	40	µg/L	80	08/26/2006 16:38	25560
trans-1,2-Dichloroethene	ND		40	µg/L	80	08/26/2006 16:38	25560
Methyl tert-butyl ether	ND		40	µg/L	80	08/26/2006 16:38	25560
1,1-Dichloroethane	300		40	µg/L	80	08/26/2006 16:38	25560
cis-1,2-Dichloroethene	ND		40	µg/L	80	08/26/2006 16:38	25560
1,1,1-Trichloroethane	1400		40	µg/L	80	08/26/2006 16:38	25560
Benzene	ND		40	µg/L	80	08/26/2006 16:38	25560
1,2-Dichloroethane	ND		40	µg/L	80	08/26/2006 16:38	25560
Trichloroethene	640		40	µg/L	80	08/26/2006 16:38	25560
Toluene	ND		40	µg/L	80	08/26/2006 16:38	25560
1,1,2-Trichloroethane	ND		40	µg/L	80	08/26/2006 16:38	25560
Tetrachloroethene	ND		40	µg/L	80	08/26/2006 16:38	25560
Chlorobenzene	ND		40	µg/L	80	08/26/2006 16:38	25560
Ethylbenzene	ND		40	µg/L	80	08/26/2006 16:38	25560
Surr: Vinyl chloride-d3	78.5		49-138	%REC	80	08/26/2006 16:38	25560
Surr: Chloroethane-d5	95.6		60-126	%REC	80	08/26/2006 16:38	25560
Surr: 1,1-Dichloroethene-d2	75.8		65-130	%REC	80	08/26/2006 16:38	25560
Surr: 2-Butanone-d5	102		42-171	%REC	80	08/26/2006 16:38	25560
Surr: Chloroform-d	93.7		80-123	%REC	80	08/26/2006 16:38	25560
Surr: 1,2-Dichloroethane-d4	92.0		78-129	%REC	80	08/26/2006 16:38	25560
Surr: Benzene-d6	90.6		78-121	%REC	80	08/26/2006 16:38	25560
Surr: 1,2-Dichloropropane-d6	95.4		84-123	%REC	80	08/26/2006 16:38	25560
Surr: Toluene-d8	95.5		77-120	%REC	80	08/26/2006 16:38	25560
Surr: trans-1,3-Dichloropropene-d4	88.2		80-128	%REC	80	08/26/2006 16:38	25560
Surr: 2-Hexanone-d5	64.5		37-169	%REC	80	08/26/2006 16:38	25560
Surr: Bromoform-d	89.7		76-135	%REC	80	08/26/2006 16:38	25560
Surr: 1,1,2,2-Tetrachloroethane-d2	90.1		75-131	%REC	80	08/26/2006 16:38	25560
Surr: 1,2-Dichlorobenzene-d4	97.4		50-150	%REC	80	08/26/2006 16:38	25560

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0008

Mitkem Corporation

Date: 27-Sep-06

Client: Earth Tech
Client Sample ID: TW-3
Lab ID: E1286-05

Project: NOW Corp. Site
Collection Date: 08/22/06 12:35

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
OLC 3.2 VOA BY GC-MS			OLC3.2_VOA				
Vinyl chloride	ND		0.50	µg/L	1	08/25/2006 13:31	25521
Chloroethane	ND		0.50	µg/L	1	08/25/2006 13:31	25521
1,1-Dichloroethene	2.4		0.50	µg/L	1	08/25/2006 13:31	25521
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	08/25/2006 13:31	25521
Methyl tert-butyl ether	ND		0.50	µg/L	1	08/25/2006 13:31	25521
1,1-Dichloroethane	30	E	0.50	µg/L	1	08/25/2006 13:31	25521
cis-1,2-Dichloroethene	0.37	J	0.50	µg/L	1	08/25/2006 13:31	25521
1,1,1-Trichloroethane	39	E	0.50	µg/L	1	08/25/2006 13:31	25521
Benzene	ND		0.50	µg/L	1	08/25/2006 13:31	25521
1,2-Dichloroethane	ND		0.50	µg/L	1	08/25/2006 13:31	25521
Trichloroethene	10		0.50	µg/L	1	08/25/2006 13:31	25521
Toluene	ND		0.50	µg/L	1	08/25/2006 13:31	25521
1,1,2-Trichloroethane	ND		0.50	µg/L	1	08/25/2006 13:31	25521
Tetrachloroethene	ND		0.50	µg/L	1	08/25/2006 13:31	25521
Chlorobenzene	ND		0.50	µg/L	1	08/25/2006 13:31	25521
Ethylbenzene	ND		0.50	µg/L	1	08/25/2006 13:31	25521
m,p-Xylene	ND		0.50	µg/L	1	08/25/2006 13:31	25521
o-Xylene	ND		0.50	µg/L	1	08/25/2006 13:31	25521
Surr: Vinyl chloride-d3	99.2		49-138	%REC	1	08/25/2006 13:31	25521
Surr: Chloroethane-d5	107		60-126	%REC	1	08/25/2006 13:31	25521
Surr: 1,1-Dichloroethene-d2	92.0		65-130	%REC	1	08/25/2006 13:31	25521
Surr: 2-Butanone-d5	91.2		42-171	%REC	1	08/25/2006 13:31	25521
Surr: Chloroform-d	93.8		80-123	%REC	1	08/25/2006 13:31	25521
Surr: 1,2-Dichloroethane-d4	95.1		78-129	%REC	1	08/25/2006 13:31	25521
Surr: Benzene-d6	85.8		78-121	%REC	1	08/25/2006 13:31	25521
Surr: 1,2-Dichloropropane-d6	94.3		84-123	%REC	1	08/25/2006 13:31	25521
Surr: Toluene-d8	90.6		77-120	%REC	1	08/25/2006 13:31	25521
Surr: trans-1,3-Dichloropropene-d4	81.6		80-128	%REC	1	08/25/2006 13:31	25521
Surr: 2-Hexanone-d5	64.7		37-169	%REC	1	08/25/2006 13:31	25521
Surr: Bromoform-d	98.6		76-135	%REC	1	08/25/2006 13:31	25521
Surr: 1,1,2,2-Tetrachloroethane-d2	92.1		75-131	%REC	1	08/25/2006 13:31	25521
Surr: 1,2-Dichlorobenzene-d4	102		50-150	%REC	1	08/25/2006 13:31	25521

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0009

Mitkem Corporation

Date: 27-Sep-06

Client: Earth Tech

Client Sample ID: TW-3

Lab ID: E1286-05

Project: NOW Corp. Site

Collection Date: 08/22/06 12:35

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
OLC 3.2 VOA BY GC-MS			OLC3.2_VOA				
Vinyl chloride	ND		1.5	µg/L	3	08/26/2006 17:10	25560
Chloroethane	ND		1.5	µg/L	3	08/26/2006 17:10	25560
1,1-Dichloroethene	2.2		1.5	µg/L	3	08/26/2006 17:10	25560
trans-1,2-Dichloroethene	ND		1.5	µg/L	3	08/26/2006 17:10	25560
Methyl tert-butyl ether	ND		1.5	µg/L	3	08/26/2006 17:10	25560
1,1-Dichloroethane	29		1.5	µg/L	3	08/26/2006 17:10	25560
cis-1,2-Dichloroethene	ND		1.5	µg/L	3	08/26/2006 17:10	25560
1,1,1-Trichloroethane	38		1.5	µg/L	3	08/26/2006 17:10	25560
Benzene	ND		1.5	µg/L	3	08/26/2006 17:10	25560
1,2-Dichloroethane	ND		1.5	µg/L	3	08/26/2006 17:10	25560
Trichloroethene	11		1.5	µg/L	3	08/26/2006 17:10	25560
Toluene	ND		1.5	µg/L	3	08/26/2006 17:10	25560
1,1,2-Trichloroethane	ND		1.5	µg/L	3	08/26/2006 17:10	25560
Tetrachloroethene	ND		1.5	µg/L	3	08/26/2006 17:10	25560
Chlorobenzene	ND		1.5	µg/L	3	08/26/2006 17:10	25560
Ethylbenzene	ND		1.5	µg/L	3	08/26/2006 17:10	25560
Surr: Vinyl chloride-d3	89.5		49-138	%REC	3	08/26/2006 17:10	25560
Surr: Chloroethane-d5	110		60-126	%REC	3	08/26/2006 17:10	25560
Surr: 1,1-Dichloroethene-d2	86.4		65-130	%REC	3	08/26/2006 17:10	25560
Surr: 2-Butanone-d5	95.5		42-171	%REC	3	08/26/2006 17:10	25560
Surr: Chloroform-d	98.7		80-123	%REC	3	08/26/2006 17:10	25560
Surr: 1,2-Dichloroethane-d4	93.7		78-129	%REC	3	08/26/2006 17:10	25560
Surr: Benzene-d6	92.6		78-121	%REC	3	08/26/2006 17:10	25560
Surr: 1,2-Dichloropropane-d6	99.6		84-123	%REC	3	08/26/2006 17:10	25560
Surr: Toluene-d8	97.8		77-120	%REC	3	08/26/2006 17:10	25560
Surr: trans-1,3-Dichloropropene-d4	87.8		80-128	%REC	3	08/26/2006 17:10	25560
Surr: 2-Hexanone-d5	64.4		37-169	%REC	3	08/26/2006 17:10	25560
Surr: Bromoform-d	96.4		76-135	%REC	3	08/26/2006 17:10	25560
Surr: 1,1,2,2-Tetrachloroethane-d2	92.3		75-131	%REC	3	08/26/2006 17:10	25560
Surr: 1,2-Dichlorobenzene-d4	101		50-150	%REC	3	08/26/2006 17:10	25560

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0010

Mitkem Corporation

Date: 27-Sep-06

Client: Earth Tech
Client Sample ID: TRIP BLANK
Lab ID: E1286-06

Project: NOW Corp. Site
Collection Date: 08/22/06 0:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
OLC 3.2 VOA BY GC-MS		OLC3.2_VOA					
Vinyl chloride	ND		0.50	µg/L	1	08/25/2006 14:35	25521
Chloroethane	ND		0.50	µg/L	1	08/25/2006 14:35	25521
1,1-Dichloroethene	ND		0.50	µg/L	1	08/25/2006 14:35	25521
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	08/25/2006 14:35	25521
Methyl tert-butyl ether	ND		0.50	µg/L	1	08/25/2006 14:35	25521
1,1-Dichloroethane	ND		0.50	µg/L	1	08/25/2006 14:35	25521
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	08/25/2006 14:35	25521
1,1,1-Trichloroethane	ND		0.50	µg/L	1	08/25/2006 14:35	25521
Benzene	ND		0.50	µg/L	1	08/25/2006 14:35	25521
1,2-Dichloroethane	ND		0.50	µg/L	1	08/25/2006 14:35	25521
Trichloroethene	ND		0.50	µg/L	1	08/25/2006 14:35	25521
Toluene	ND		0.50	µg/L	1	08/25/2006 14:35	25521
1,1,2-Trichloroethane	ND		0.50	µg/L	1	08/25/2006 14:35	25521
Tetrachloroethene	ND		0.50	µg/L	1	08/25/2006 14:35	25521
Chlorobenzene	ND		0.50	µg/L	1	08/25/2006 14:35	25521
Ethylbenzene	ND		0.50	µg/L	1	08/25/2006 14:35	25521
m,p-Xylene	ND		0.50	µg/L	1	08/25/2006 14:35	25521
o-Xylene	ND		0.50	µg/L	1	08/25/2006 14:35	25521
Surr: Vinyl chloride-d3	92.4		49-138	%REC	1	08/25/2006 14:35	25521
Surr: Chloroethane-d5	110		60-128	%REC	1	08/25/2006 14:35	25521
Surr: 1,1-Dichloroethene-d2	88.5		65-130	%REC	1	08/25/2006 14:35	25521
Surr: 2-Butanone-d5	81.6		42-171	%REC	1	08/25/2006 14:35	25521
Surr: Chloroform-d	100		80-123	%REC	1	08/25/2006 14:35	25521
Surr: 1,2-Dichloroethane-d4	96.9		78-129	%REC	1	08/25/2006 14:35	25521
Surr: Benzene-d6	90.6		78-121	%REC	1	08/25/2006 14:35	25521
Surr: 1,2-Dichloropropane-d6	101		84-123	%REC	1	08/25/2006 14:35	25521
Surr: Toluene-d8	96.4		77-120	%REC	1	08/25/2006 14:35	25521
Surr: trans-1,3-Dichloropropene-d4	80.2		80-128	%REC	1	08/25/2006 14:35	25521
Surr: 2-Hexanone-d5	59.2		37-169	%REC	1	08/25/2006 14:35	25521
Surr: Bromoform-d	92.0		76-135	%REC	1	08/25/2006 14:35	25521
Surr: 1,1,2,2-Tetrachloroethane-d2	96.3		75-131	%REC	1	08/25/2006 14:35	25521
Surr: 1,2-Dichlorobenzene-d4	102		50-150	%REC	1	08/25/2006 14:35	25521

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0011

CLIENT: Earth Tech
Work Order: E1286
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

TestCode: OLC3.2_VOA

Prep Date: 8/26/2006

Run ID: V5_060826A

Analysis Date: 8/26/2006

SeqNo: 536207

TestCode: OLC3.2_VOA

SampType: MBLK

Batch ID: 25560

Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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Dichlorodifluoromethane ND 0.50

Chloromethane ND 0.50

Vinyl chloride ND 0.50

Bromomethane ND 0.50

Chloroethane ND 0.50

Trichlorofluoromethane ND 0.50

1,1-Dichloroethene ND 0.50

1,1,2-Trichloro-1,2,2-trifluoroethane ND 0.50

Acetone ND 5.0

Carbon disulfide ND 0.50

Methyl acetate ND 0.50

Methylene chloride ND 0.50

trans-1,2-Dichloroethene ND 0.50

Methyl tert-butyl ether ND 0.50

1,1-Dichloroethane ND 0.50

cis-1,2-Dichloroethene ND 0.50

2-Butanone ND 5.0

Bromochloromethane ND 0.50

Chloroform ND 0.50

1,1,1-Trichloroethane ND 0.50

Cyclohexane ND 0.50

Carbon tetrachloride ND 0.50

Benzene ND 0.50

1,2-Dichloroethane ND 0.50

Trichloroethene ND 0.50

Methylcyclohexane ND 0.50

1,2-Dichloropropane ND 0.50

Bromodichloromethane ND 0.50

cis-1,3-Dichloropropene ND 0.50

4-Methyl-2-pentanone ND 5.0

Toluene ND 0.50

trans-1,3-Dichloropropene ND 0.50

1,1,2-Trichloroethane ND 0.50

Tetrachloroethene ND 0.50

2-Hexanone ND 5.0

Dibromochloromethane ND 0.50

1,2-Dibromoethane ND 0.50

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Qualifiers ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

CLIENT:

Earth Tech

Work Order:

E1286

Project:

NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

TestCode: OLC3.2_VOA

Sample ID: MB-25560	SampType: MBLK	TestCode: OLC3.2_VOA	Prep Date: 8/26/2006	Run ID: V5_060826A							
Client ID: MB-25560	Batch ID: 25560	Units: µg/L	Analysis Date: 8/26/2006	SeqNo: 536207							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chlorobenzene ND 0.50

Ethylbenzene ND 0.50

Styrene ND 0.50

Bromoform ND 0.50

Isopropylbenzene ND 0.50

1,1,2,2-Tetrachloroethane ND 0.50

1,3-Dichlorobenzene ND 0.50

1,4-Dichlorobenzene ND 0.50

1,2-Dichlorobenzene ND 0.50

1,2-Dibromo-3-chloropropane ND 0.50

1,2,4-Trichlorobenzene ND 0.50

1,2,3-Trichlorobenzene ND 0.50

Xylenes (Total) ND

Surr: Vinyl chloride-d3 4.536

Surr: Chloroethane-d5 5.541

Surr: 1,1-Dichloroethene-d2 4.053

Surr: 2-Butanone-d5 6.184

Surr: Chloroform-d 4.410

Surr: 1,2-Dichloroethane-d4 4.402

Surr: Benzene-d6 4.485

Surr: 1,2-Dichloropropane-d6 4.802

Surr: Toluene-d8 4.567

Surr: trans-1,3-Dichloropropene-d4 4.447

Surr: 2-Hexanone-d5 4.153

Surr: Bromoform-d 4.647

Surr: 1,1,2,2-Tetrachloroethane-d2 4.525

Surr: 1,2-Dichlorobenzene-d4 4.709

5.000	0	90.7	49	138	0	0
5.000	0	111	60	126	0	0
5.000	0	81.1	65	130	0	0
5.000	0	124	42	171	0	0
5.000	0	88.2	80	123	0	0
5.000	0	88.0	78	129	0	0
5.000	0	89.7	78	121	0	0
5.000	0	96.0	84	123	0	0
5.000	0	91.3	77	120	0	0
5.000	0	88.9	80	128	0	0
5.000	0	83.1	37	169	0	0
5.000	0	92.9	76	135	0	0
5.000	0	90.5	75	131	0	0
5.000	0	94.2	50	150	0	0

Qualification

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Mitkem Corporation

Date: 25-Sep-06

Client: Earth Tech
Client Sample ID: EFF 8/06
Lab ID: E1286-01

Project: NOW Corp. Site
Collection Date: 08/22/06 12:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
OIL & GREASE, HEM							
Oil & Grease, Total Recoverable	ND		5.0	mg/L	1	09/08/2006 00:00	25799

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: 25-Sep-06

Client: Earth Tech
Client Sample ID: INF 8/06
Lab ID: E1286-02

Project: NOW Corp. Site
Collection Date: 08/22/06 12:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
OIL & GREASE, HEM				E1664			
Oil & Grease, Total Recoverable	ND		5.0	mg/L	1	09/08/2006 00:00	25799

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech

Work Order: E1286

Project: NOW Corp. Site

TestCode: E1664

Sample ID	MB-25799	SampType: MBLK	Batch ID: 25799	TestCode: E1664	Units: mg/L	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Client ID:	MB-25799															
Analyte																
Oil & Grease, Total Recoverable																
Sample ID	LCS-25799	SampType: LCS	Batch ID: 25799	TestCode: E1664	Units: mg/L	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Client ID:	LCS-25799															
Analyte																
Oil & Grease, Total Recoverable																
Sample ID	LCSD-25799	SampType: LCSD	Batch ID: 25799	TestCode: E1664	Units: mg/L	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Client ID:	LCSD-25799															
Analyte																
Oil & Grease, Total Recoverable																

Mitkem Corporation**Date:** 09-Sep-06**Client:** Earth Tech**Client Sample ID:** EFF 8/06**Lab ID:** E1286-01**Project:** NOW Corp. Site**Collection Date:** 08/22/06 12:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
METALS BY ICP							
				SW6010B_W			
Aluminum	ND		200	µg/L	1	08/30/2006 11:29	25554
Arsenic	ND		20	µg/L	1	08/30/2006 11:29	25554
Barium	ND		200	µg/L	1	08/30/2006 11:29	25554
Chromium	ND		20	µg/L	1	08/30/2006 11:29	25554
Copper	ND		25	µg/L	1	08/30/2006 11:29	25554
Iron	ND		200	µg/L	1	08/30/2006 11:29	25554
Manganese	94		50	µg/L	1	08/30/2006 11:29	25554
Nickel	ND		50	µg/L	1	08/30/2006 11:29	25554
Zinc	ND		50	µg/L	1	08/30/2006 11:29	25554
MERCURY BY FIA							
				SW7470A			
Mercury	ND		0.28	µg/L	1	08/28/2006 11:57	25556

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0017

Mitkem Corporation**Date:** 09-Sep-06**Client:** Earth Tech**Client Sample ID:** INF 8/06**Lab ID:** E1286-02**Project:** NOW Corp. Site**Collection Date:** 08/22/06 12:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
METALS BY ICP							
				SW6010B_W			
Aluminum	ND		200	µg/L	1	08/30/2006 11:32	25554
Arsenic	ND		20	µg/L	1	08/30/2006 11:32	25554
Barium	ND		200	µg/L	1	08/30/2006 11:32	25554
Chromium	ND		20	µg/L	1	08/30/2006 11:32	25554
Copper	ND		25	µg/L	1	08/30/2006 11:32	25554
Iron	ND		200	µg/L	1	08/30/2006 11:32	25554
Manganese	190		50	µg/L	1	08/30/2006 11:32	25554
Nickel	ND		50	µg/L	1	08/30/2006 11:32	25554
Zinc	ND		50	µg/L	1	08/30/2006 11:32	25554
MERCURY BY FIA							
				SW7470A			
Mercury	ND		0.28	µg/L	1	08/28/2006 11:58	25556

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0018

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech

Work Order: E1286

Project: NOW Corp. Site

TestCode: SW6010B_W

Sample ID	MB-25554	SampleType: MBLK	TestCode: SW6010B_W	Prep Date: 08/25/2006	Run ID: OPTIMA2_060830A				
Client ID:	MB-25554	Batch ID: 25554	Units: µg/L	Analysis Date: 08/30/2006	SeqNo: 534468				
Analyte			Result	SPK value	SPK Ref Val	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	ND	200
Arsenic	ND	20
Barium	ND	200
Chromium	ND	20
Copper	ND	25
Iron	ND	200
Manganese	ND	50
Nickel	ND	50
Zinc	ND	50

Sample ID	MB-25554	SampleType: MBLK	TestCode: SW6010B_W	Prep Date: 08/25/2006	Run ID: OPTIMA3_060830B				
Client ID:	MB-25554	Batch ID: 25554	Units: µg/L	Analysis Date: 08/30/2006	SeqNo: 535061				
Analyte			Result	SPK value	SPK Ref Val	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	ND	200
Arsenic	ND	20
Barium	ND	200
Chromium	ND	20
Copper	ND	30
Iron	ND	200
Manganese	ND	50
Nickel	ND	50
Zinc	ND	50

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech

Work Order: E1286

Project: NOW Corp. Site

TestCode: SW6010B_W

Sample ID	LCS-25554	SampleType: LCS	TestCode: SW6010B_W	Prep Date: 08/25/2006	Run ID: OPTIMA2_060830A						
Client ID:	LCS-25554	Batch ID: 25554	Units: µg/L	Analysis Date: 08/30/2006	SeqNo: 534469						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	8192	200	9100	0	90.0	80	120	0	0		
Arsenic	498.4	20	455.0	0	110	80	120	0	0		
Barium	8430	200	9100	0	92.6	80	120	0	0		
Chromium	836.4	20	910.0	0	91.9	80	120	0	0		
Copper	1038	25	1130	0	91.9	80	120	0	0		
Iron	4152	200	4550	0	91.3	80	120	0	0		
Manganese	2016	50	2270	0	88.8	80	120	0	0		
Nickel	2026	50	2270	0	89.2	80	120	0	0		
Zinc	2131	50	2270	0	93.9	80	120	0	0		

Sample ID	LCS-25554	SampType: LCS	TestCode: SW6010B_W	Prep Date: 08/25/2006	Run ID: OPTIMA3_060830B						
Client ID:	LCS-25554	Batch ID: 25554	Units: µg/L	Analysis Date: 08/30/2006	SeqNo: 535062						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	7896	200	9100	0	86.8	80	120	0	0		
Arsenic	502.6	20	455.0	0	110	80	120	0	0		
Barium	8149	200	9100	0	89.5	80	120	0	0		
Chromium	854.7	20	910.0	0	93.9	80	120	0	0		
Copper	979.8	30	1130	0	86.7	80	120	0	0		
Iron	4082	200	4550	0	89.7	80	120	0	0		
Manganese	2183	50	2270	0	96.2	80	120	0	0		
Nickel	2182	50	2270	0	96.1	80	120	0	0		
Zinc	2248	50	2270	0	99.0	80	120	0	0		

Qualifiers
20

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech

Work Order: E1286

Project: NOW Corp. Site

TestCode: SW7470A

Sample ID	MB-25556	SampType: MBLK	TestCode: SW7470A	Prep Date: 08/25/2006	Run ID: FIMS1_060828C							
Client ID:	MB-25556	Batch ID: 25556	Units: µg/L	Analysis Date: 08/28/2006	SeqNo: 536527							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		ND	0.20									

Sample ID	LCS-25556	SampType: LCS	TestCode: SW7470A	Prep Date: 08/25/2006	Run ID: FIMS1_060828C							
Client ID:	LCS-25556	Batch ID: 25556	Units: µg/L	Analysis Date: 08/28/2006	SeqNo: 536528							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		4.843	0.20	4.550	0	106	67.3	120	0	0		

Sample ID	LCSD-25556	SampType: LCSD	TestCode: SW7470A	Prep Date: 08/25/2006	Run ID: FIMS1_060828C							
Client ID:	LCSD-25556	Batch ID: 25556	Units: µg/L	Analysis Date: 08/28/2006	SeqNo: 536529							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		4.734	0.20	4.550	0	104	67.3	120	4.843	2.27	20	

Qualifiers

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Mitkem Corporation

Date: 15-Sep-06

Client: Earth Tech
Client Sample ID: EFF 8/06
Lab ID: E1286-01

Project: NOW Corp. Site
Collection Date: 08/22/06 12:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS							
Total Dissolved Solids	270		10	mg/L		1 08/28/2006 15:45	25600
TOTAL SUSPENDED SOLIDS							
Total Suspended Solids	ND		10	mg/L		1 08/28/2006 15:45	25601
TOTAL CYANIDE							
Cyanide	ND		10	µg/L		1 09/07/2006 9:27	25700

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: 15-Sep-06

Client: Earth Tech

Client Sample ID: INF 8/06

Lab ID: E1286-02

Project: NOW Corp. Site

Collection Date: 08/22/06 12:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS							
Total Dissolved Solids	290			10 mg/L		1 08/28/2006 15:45	25600
				SM2540_TDS			
TOTAL SUSPENDED SOLIDS							
Total Suspended Solids	ND			10 mg/L		1 08/28/2006 15:45	25601
				SM2540_TSS			
TOTAL CYANIDE							
Cyanide	ND			10 µg/L		1 09/07/2006 9:34	25700
				SW9012B_W			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0023

CLIENT: Earth Tech
Work Order: E1286
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

TestCode: SM2540_TDS

Sample ID: MB-25600	SampType: MBLK	TestCode: SM2540_TDS	Prep Date: 8/28/06	Run ID: MANUAL_060828A
Client ID: MB-25600	Batch ID: 25600	Units: mg/L	Analysis Date: 8/28/06	SeqNo: 533444
Analyte		SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Dissolved Solids		ND		10

Sample ID: LCS-25600	SampType: LCS	TestCode: SM2540_TDS	Prep Date: 8/28/06	Run ID: MANUAL_060828A
Client ID: LCS-25600	Batch ID: 25600	Units: mg/L	Analysis Date: 8/28/06	SeqNo: 533443
Analyte		SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Dissolved Solids		712.0	0	95.7 81.5 116 0 0

Sample ID: E1286-01EDUP	SampType: DUP	TestCode: SM2540_TDS	Prep Date: 8/28/06	Run ID: MANUAL_060828A
Client ID: EFF 8/06	Batch ID: 25600	Units: mg/L	Analysis Date: 8/28/06	SeqNo: 533437
Analyte		SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Dissolved Solids		272.0	0	0 0 0 268.0 1.48 20

Qualifiers: 

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Sample ID: MB-25601	SampType: MBLK	TestCode: SM2540_TSS	Prep Date: 8/28/06	Run ID: MANUAL_060828B							
Client ID: MB-25601	Batch ID: 25601	Units: mg/L	Analysis Date: 8/28/06	SeqNo: 533454							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids		ND	10								

Sample ID: LCS-25601	SampType: LCS	TestCode: SM2540_TSS	Prep Date: 8/28/06	Run ID: MANUAL_060828B							
Client ID: LCS-25601	Batch ID: 25601	Units: mg/L	Analysis Date: 8/28/06	SeqNo: 533453							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	75.00	10	74.90	0	100	73.2	116	0	0	0	

Sample ID: E1286-01DDUP	SampType: DUP	TestCode: SM2540_TSS	Prep Date: 8/28/06	Run ID: MANUAL_060828B							
Client ID: EFF 8/06	Batch ID: 25601	Units: mg/L	Analysis Date: 8/28/06	SeqNo: 533446							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	10	0	0	0	0	0	0	0	20	

CLIENT:

Earth Tech

Work Order:

E1286

Project:

NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

TestCode: SW9012B_W

Sample ID: MB-25700	SampType: MBLK	TestCode: SW9012B_W	Prep Date: 9/2/06	Run ID: LACHAT1_060907B							
Client ID: MB-25700	Batch ID: 25700	Units: µg/L	Analysis Date: 9/7/06	SeqNo: 538812							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	10									

Sample ID: LCS-25700	SampType: LCS	TestCode: SW9012B_W	Prep Date: 9/2/06	Run ID: LACHAT1_060907B							
Client ID: LCS-25700	Batch ID: 25700	Units: µg/L	Analysis Date: 9/7/06	SeqNo: 538813							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	93.91	10	100.0	0	93.9	52.5	145	0	0	0	

Sample ID: E1286-01CMS	SampType: MS	TestCode: SW9012B_W	Prep Date: 9/2/06	Run ID: LACHAT1_060907B							
Client ID: EFF 8/06	Batch ID: 25700	Units: µg/L	Analysis Date: 9/7/06	SeqNo: 538818							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	103.6	10	100.0	0	104	75	125	0	0	0	

Sample ID: E1286-01CDUP	SampType: DUP	TestCode: SW9012B_W	Prep Date: 9/2/06	Run ID: LACHAT1_060907B							
Client ID: EFF 8/06	Batch ID: 25700	Units: µg/L	Analysis Date: 9/7/06	SeqNo: 538817							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	10	0	0	0	0	0	0	0	20	

Qualification

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Client ID: EARTH_NY

Project: NOW Corp. Site

Location:

Comments: N/A

Case:

SDG:

PO: 55849.01

Report Level: LEVEL 2

EDD:

HC Due: 09/13/06

Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
E1286-01A	EFF 8/06	08/22/2006 12:10	08/23/2006	Aqueous	OLC3.2_VOA		☐	☐	☒	VOA
E1286-01B	EFF 8/06	08/22/2006 12:10	08/23/2006	Aqueous	E1664		☐	☐	☐	F2
E1286-01C	EFF 8/06	08/22/2006 12:10	08/23/2006	Aqueous	SW9012B_W		☐	☐	☐	F2
E1286-01D	EFF 8/06	08/22/2006 12:10	08/23/2006	Aqueous	SM2540_TSS		☐	☐	☐	F2
E1286-01E	EFF 8/06	08/22/2006 12:10	08/23/2006	Aqueous	SM2540_TDS		☐	☐	☐	F2
E1286-01F	EFF 8/06	08/22/2006 12:10	08/23/2006	Aqueous	SW6010B_W	See SEL list	☐	☐	☒	M2
					SW7470A	See SEL list	☐	☐	☐	M2
E1286-02A	INF 8/06	08/22/2006 12:20	08/23/2006	Aqueous	OLC3.2_VOA		☐	☐	☒	VOA
E1286-02B	INF 8/06	08/22/2006 12:20	08/23/2006	Aqueous	E1664		☐	☐	☐	F2
E1286-02C	INF 8/06	08/22/2006 12:20	08/23/2006	Aqueous	SW9012B_W		☐	☐	☐	F2

Client Rep: Edward A Lawler

Client ID: EARTH_NY

Project: NOW Corp. Site

Location:

Comments: N/A

Case:

SDG:

PO: 55849.01

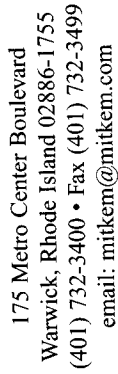
Report Level: LEVEL 2

EDD:

HC Due: 09/13/06

Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
E1286-02D	INF 8/06	08/22/2006 12:20	08/23/2006	Aqueous	SM2540_TSS		☐	☐	☐	F2
E1286-02E	INF 8/06	08/22/2006 12:20	08/23/2006	Aqueous	SM2540_TDS		☐	☐	☐	F2
E1286-02F	INF 8/06	08/22/2006 12:20	08/23/2006	Aqueous	SW6010B_W	See SEL list	☐	☐	☒	M2
					SW7470A	See SEL list	☐	☐	☐	M2
E1286-03A	TW-1	08/22/2006 0:00	08/23/2006	Aqueous	OLC3.2_VOA		☐	☐	☒	VOA
E1286-04A	TW-2A	08/22/2006 12:30	08/23/2006	Aqueous	OLC3.2_VOA		☐	☐	☒	VOA
E1286-05A	TW-3	08/22/2006 12:35	08/23/2006	Aqueous	OLC3.2_VOA		☐	☐	☒	VOA
E1286-06A	TRIP BLANK	08/22/2006 0:00	08/23/2006	Aqueous	OLC3.2_VOA		☐	☐	☒	VOA

Page 1 of 1

REPORT TO						INVOICE TO						
COMPANY EARTH TECH			PHONE 518-951-2200			COMPANY SAME			PHONE			
NAME STEVE CHOINIÈRE			FAX 518-951-2300			NAME			FAX			
ADDRESS 40 BRITISH AMERICAN BLVD. LATHAM, N.Y. 12110						ADDRESS						
CITY/ST/ZIP						CITY/ST/ZIP						
CLIENT PROJECT NAME: Now Corp.						CLIENT PO.#:						
CLIENT PROJECT #: 94017.02						REQUESTED ANALYSES						
SAMPLE IDENTIFICATION		DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS			
EFF 8/06		8-22-06 12:10	X	X				01	7	METALS * TDS TSS O+G CYANIDE ✓		
INF 8/06		12:20						02	7			
Tw-1		12:25						03	2			
Tw-2A		12:30						04	2			
Tw-3		12:35						05	2			
TRIP BLANK		/						06	1			
		/										
		/										
		/										
		/										
		/										
		/										
		/										
		/										
TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY			DATE/TIME			ADDITIONAL REMARKS:			COOLER TEMP:
	Roger Gray	8-22-06 2:55	Reg Lumbkin			8-23-06 8:45			METALS: AL, AS, BA, CR, CU, FE, MN, HG, ZN, N			40
		/										
		/										

WHITE: LABORATORY COPY

YELLOW: REPORT COPY

PINK: CLIENT'S COPY