

**Operation, Maintenance and Monitoring Report
November 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.
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Latham, New York 12110**



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January 17 2007

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 – “November” 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 23-day period (**October 24, 2006 – November 16, 2006**).

With the exceptions noted below (if any), the P&T system was online and operational throughout the reporting period. Approximately 405,400 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 17,600 gallons per day (gpd). During the prior reporting period, the average discharge was 22,000 gpd.

As of the last day of the reporting period, a total of 54,200,400 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 November 16, 2006. **With the exception of Total Suspended Solids, there were no exceedances of effluent limitations.** (Although not the subject of this report, the December 2006 sample met the TSS limitation.) 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.

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 October 24th service visit was described in the previous report. Details for this reporting period follow:

November 16th – Monthly system inspection and sampling. Flow rates were reset for the recovery well pumps.

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

Sincerely,
Earth Tech Northeast

Stephen R. Choiniere
Project Manager

Attachments

Table 1
Summary of Influent and Effluent Data
Sampling Date: November 16, 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		17,626				Monitor	gpd
pH	6.6	7.5	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	280	270	NA	NA	NA	1000	mg/L
TSS	<10	120	NA	NA	NA	50	mg/L
Aluminum, Total	<100	<100	NA	NA	NA	2000	ug/L
Arsenic, Total	<10	<10	NA	NA	NA	50	ug/L
Barium, Total	<100	<100	NA	NA	NA	2000	ug/L
Chromium	<10	<10	NA	NA	NA	100	ug/L
Copper	<13	<13	NA	NA	NA	24	ug/L
Iron	<100	<100	NA	NA	NA	600	ug/L
Mercury	<0.20	<0.20	NA	NA	NA	0.8	ug/L
Manganese	120	88	NA	NA	NA	600	ug/L
Nickel	<25	<25	NA	NA	NA	200	ug/L
Zinc	<25	<25	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	340	0.31 J	4.2	450	7.2	5	ug/L
1,1,2-Trichloroethane	<5	<0.5	<1	<20	<0.5	1.2	ug/L
1,1-Dichloroethane	99	0.39 J	42	110	11	5	ug/L
1,1-Dichloroethene	12	<0.5	7.9	<20	1.5	0.5	ug/L
1,2-Dichloroethane	<5	<0.5	<1	<20	<0.5	1.6	ug/L
Benzene	<5	<0.5	<1	<20	<0.5	0.8	ug/L
Chlorobenzene	<5	<0.5	<1	<20	<0.5	5	ug/L
Chloroethane	<5	<0.5	1	<20	<0.5	5	ug/L
cis-1,2-Dichloroethene	12	<0.5	2.5	14 J	<0.5	5	ug/L
Ethylbenzene	<5	<0.5	<1	<20	<0.5	5	ug/L
Methyl tert-butyl ether	<5	<0.5	<1	<20	<0.5	5	ug/L
o-Xylene	<5	<0.5	<1	<20	<0.5	5	ug/L
p&m-Xylene	<5	<0.5	<1	<20	<0.5	10	ug/L
Tetrachloroethene	<5	<0.5	<1	<20	<0.5	1.4	ug/L
Toluene	<5	<0.5	<1	<20	<0.5	5	ug/L
trans-1,2-Dichloroethene	<5	<0.5	<1	<20	<0.5	5	ug/L
Trichloroethene	290	0.62	47	350	12	5	ug/L
Vinyl Chloride	<5	<0.5	<1	<20	<0.5	0.6	ug/L

Notes:

- 1) Detected concentrations are presented in **bold** typeface, and are expressed in the 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.
- 5) "D" denotes analytical result for a diluted sample.

Table 2
Summary of November 2006 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		11/16/06	Units
<i>TW-1</i>			
Pumping Rate		2	GPM
Water Level Above Transducer		22.01	feet
Flow Meter Reading		3,706,800	gallons
Pump Pressure		74	psi
<i>TW-2A</i>			
Pumping Rate		6	GPM
Water Level Above Transducer		42.35	feet
Flow Meter Reading		8,569,800	gallons
Pump Pressure		32	psi
<i>TW-3</i>			
Pumping Rate		5	GPM
Water Level Above Transducer		25.08	feet
Flow Meter Reading		3,352,200	gallons
Pump Pressure		62	psi
<i>Air Stripper</i>			
Stripper Blower Pressure		21	inches H ₂ O
Air Temperature in Stripper		50	°F
Pressure Gauge - Left Leg		0.8	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		54,200,400	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

**INFLUENT & EFFLUENT WATER
ANALYTICAL REPORT**



Client: Earth Tech

Client Project: NOW Corp, 94017.02, 11/06

Lab Work Order: E1811

Date samples received: 11/17/06

Project Narrative

This data report includes the analysis results for six (6) aqueous samples that were received from Earth Tech on November 17, 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.

Surrogate recoveries were within the QC acceptance criteria for the volatile organic analysis. Laboratory control sample and its duplicate were within the QC limits with the exception of marginally low recovery for 1,2-dichloroethane in LCS-27125. Due to elevated concentrations of target analytes, the following samples were initially analyzed at dilution: INF 11/06 (10X), TW-1 (2X) and TW-2A (40X).

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, serial dilution and matrix spike analyses were performed for metals and cyanide on sample EFF 11/06. 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: 01-Dec-06

Client: Earth Tech

Client Sample ID: EFF 11/06

Lab ID: E1811-01

Project: NOW Corp. Site

Collection Date: 11/16/06 11:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
VOC BY GC-MS (25 ML PURGE)			SW8260B_25_W				
Vinyl chloride	ND		0.50	µg/L	1	11/21/2006 05:36	27124
Chloroethane	ND		0.50	µg/L	1	11/21/2006 05:36	27124
1,1-Dichloroethene	ND		0.50	µg/L	1	11/21/2006 05:36	27124
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	11/21/2006 05:36	27124
Methyl tert-butyl ether	ND		0.50	µg/L	1	11/21/2006 05:36	27124
1,1-Dichloroethane	0.39	J	0.50	µg/L	1	11/21/2006 05:36	27124
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	11/21/2006 05:36	27124
1,1,1-Trichloroethane	0.31	J	0.50	µg/L	1	11/21/2006 05:36	27124
1,2-Dichloroethane	ND		0.50	µg/L	1	11/21/2006 05:36	27124
Benzene	ND		0.50	µg/L	1	11/21/2006 05:36	27124
Trichloroethene	0.62		0.50	µg/L	1	11/21/2006 05:36	27124
Toluene	ND		0.50	µg/L	1	11/21/2006 05:36	27124
1,1,2-Trichloroethane	ND		0.50	µg/L	1	11/21/2006 05:36	27124
Tetrachloroethene	ND		0.50	µg/L	1	11/21/2006 05:36	27124
Chlorobenzene	ND		0.50	µg/L	1	11/21/2006 05:36	27124
Ethylbenzene	ND		0.50	µg/L	1	11/21/2006 05:36	27124
m,p-Xylene	ND		0.50	µg/L	1	11/21/2006 05:36	27124
o-Xylene	ND		0.50	µg/L	1	11/21/2006 05:36	27124
Surr: Dibromofluoromethane	102		78-117	%REC	1	11/21/2006 05:36	27124
Surr: 1,2-Dichloroethane-d4	92.8		62-124	%REC	1	11/21/2006 05:36	27124
Surr: Toluene-d8	100		81-116	%REC	1	11/21/2006 05:36	27124
Surr: Bromofluorobenzene	92.3		74-126	%REC	1	11/21/2006 05:36	27124

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

0003

Mitkem Corporation

Date: 01-Dec-06

Client: Earth Tech
Client Sample ID: INF 11/06
Lab ID: E1811-02

Project: NOW Corp. Site
Collection Date: 11/16/06 12:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
VOC BY GC-MS (25 ML PURGE)			SW8260B_25_W				
Vinyl chloride	ND		5.0	µg/L	10	11/22/2006 04:30	27154
Chloroethane	ND		5.0	µg/L	10	11/22/2006 04:30	27154
1,1-Dichloroethene	12		5.0	µg/L	10	11/22/2006 04:30	27154
trans-1,2-Dichloroethene	ND		5.0	µg/L	10	11/22/2006 04:30	27154
Methyl tert-butyl ether	ND		5.0	µg/L	10	11/22/2006 04:30	27154
1,1-Dichloroethane	99		5.0	µg/L	10	11/22/2006 04:30	27154
cis-1,2-Dichloroethene	12		5.0	µg/L	10	11/22/2006 04:30	27154
1,1,1-Trichloroethane	340		5.0	µg/L	10	11/22/2006 04:30	27154
1,2-Dichloroethane	ND		5.0	µg/L	10	11/22/2006 04:30	27154
Benzene	ND		5.0	µg/L	10	11/22/2006 04:30	27154
Trichloroethene	290		5.0	µg/L	10	11/22/2006 04:30	27154
Toluene	ND		5.0	µg/L	10	11/22/2006 04:30	27154
1,1,2-Trichloroethane	ND		5.0	µg/L	10	11/22/2006 04:30	27154
Tetrachloroethene	ND		5.0	µg/L	10	11/22/2006 04:30	27154
Chlorobenzene	ND		5.0	µg/L	10	11/22/2006 04:30	27154
Ethylbenzene	ND		5.0	µg/L	10	11/22/2006 04:30	27154
m,p-Xylene	ND		5.0	µg/L	10	11/22/2006 04:30	27154
o-Xylene	ND		5.0	µg/L	10	11/22/2006 04:30	27154
Surr: Dibromofluoromethane	102		78-117	%REC	10	11/22/2006 04:30	27154
Surr: 1,2-Dichloroethane-d4	98.0		62-124	%REC	10	11/22/2006 04:30	27154
Surr: Toluene-d8	99.4		81-116	%REC	10	11/22/2006 04:30	27154
Surr: Bromofluorobenzene	94.9		74-126	%REC	10	11/22/2006 04:30	27154

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: 01-Dec-06

Client: Earth Tech

Client Sample ID: TW-1

Lab ID: E1811-03

Project: NOW Corp. Site

Collection Date: 11/16/06 12:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
VOC BY GC-MS (25 ML PURGE)			SW8260B_25_W				
Vinyl chloride	ND		1.0	µg/L	2	11/21/2006 06:38	27124
Chloroethane	1.0		1.0	µg/L	2	11/21/2006 06:38	27124
1,1-Dichloroethene	7.9		1.0	µg/L	2	11/21/2006 06:38	27124
trans-1,2-Dichloroethene	ND		1.0	µg/L	2	11/21/2006 06:38	27124
Methyl tert-butyl ether	ND		1.0	µg/L	2	11/21/2006 06:38	27124
1,1-Dichloroethane	42		1.0	µg/L	2	11/21/2006 06:38	27124
cis-1,2-Dichloroethene	2.5		1.0	µg/L	2	11/21/2006 06:38	27124
1,1,1-Trichloroethane	4.2		1.0	µg/L	2	11/21/2006 06:38	27124
1,2-Dichloroethane	ND		1.0	µg/L	2	11/21/2006 06:38	27124
Benzene	ND		1.0	µg/L	2	11/21/2006 06:38	27124
Trichloroethene	47		1.0	µg/L	2	11/21/2006 06:38	27124
Toluene	ND		1.0	µg/L	2	11/21/2006 06:38	27124
1,1,2-Trichloroethane	ND		1.0	µg/L	2	11/21/2006 06:38	27124
Tetrachloroethene	ND		1.0	µg/L	2	11/21/2006 06:38	27124
Chlorobenzene	ND		1.0	µg/L	2	11/21/2006 06:38	27124
Ethylbenzene	ND		1.0	µg/L	2	11/21/2006 06:38	27124
m,p-Xylene	ND		1.0	µg/L	2	11/21/2006 06:38	27124
o-Xylene	ND		1.0	µg/L	2	11/21/2006 06:38	27124
Surr: Dibromofluoromethane	101		78-117	%REC	2	11/21/2006 06:38	27124
Surr: 1,2-Dichloroethane-d4	89.9		62-124	%REC	2	11/21/2006 06:38	27124
Surr: Toluene-d8	101		81-116	%REC	2	11/21/2006 06:38	27124
Surr: Bromofluorobenzene	93.4		74-126	%REC	2	11/21/2006 06:38	27124

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: 01-Dec-06

Client: Earth Tech
Client Sample ID: TW-2A
Lab ID: E1811-04

Project: NOW Corp. Site
Collection Date: 11/16/06 12:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
VOC BY GC-MS (25 ML PURGE)			SW8260B_25_W				
Vinyl chloride	ND		20	µg/L	40	11/21/2006 10:42	27125
Chloroethane	ND		20	µg/L	40	11/21/2006 10:42	27125
1,1-Dichloroethene	ND		20	µg/L	40	11/21/2006 10:42	27125
trans-1,2-Dichloroethene	ND		20	µg/L	40	11/21/2006 10:42	27125
Methyl tert-butyl ether	ND		20	µg/L	40	11/21/2006 10:42	27125
1,1-Dichloroethane	110		20	µg/L	40	11/21/2006 10:42	27125
cis-1,2-Dichloroethene	14	J	20	µg/L	40	11/21/2006 10:42	27125
1,1,1-Trichloroethane	450		20	µg/L	40	11/21/2006 10:42	27125
1,2-Dichloroethane	ND		20	µg/L	40	11/21/2006 10:42	27125
Benzene	ND		20	µg/L	40	11/21/2006 10:42	27125
Trichloroethene	350		20	µg/L	40	11/21/2006 10:42	27125
Toluene	ND		20	µg/L	40	11/21/2006 10:42	27125
1,1,2-Trichloroethane	ND		20	µg/L	40	11/21/2006 10:42	27125
Tetrachloroethene	ND		20	µg/L	40	11/21/2006 10:42	27125
Chlorobenzene	ND		20	µg/L	40	11/21/2006 10:42	27125
Ethylbenzene	ND		20	µg/L	40	11/21/2006 10:42	27125
m,p-Xylene	ND		20	µg/L	40	11/21/2006 10:42	27125
o-Xylene	ND		20	µg/L	40	11/21/2006 10:42	27125
Surr: Dibromofluoromethane	108		78-117	%REC	40	11/21/2006 10:42	27125
Surr: 1,2-Dichloroethane-d4	95.4		62-124	%REC	40	11/21/2006 10:42	27125
Surr: Toluene-d8	100		81-116	%REC	40	11/21/2006 10:42	27125
Surr: Bromofluorobenzene	95.4		74-126	%REC	40	11/21/2006 10:42	27125

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

0006

Mitkem Corporation

Date: 01-Dec-06

Client: Earth Tech

Client Sample ID: TW-3

Lab ID: E1811-05

Project: NOW Corp. Site

Collection Date: 11/16/06 12:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
VOC BY GC-MS (25 ML PURGE)			SW8260B_25_W				
Vinyl chloride	ND		0.50	µg/L	1	11/21/2006 10:12	27125
Chloroethane	ND		0.50	µg/L	1	11/21/2006 10:12	27125
1,1-Dichloroethene	1.5		0.50	µg/L	1	11/21/2006 10:12	27125
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	11/21/2006 10:12	27125
Methyl tert-butyl ether	ND		0.50	µg/L	1	11/21/2006 10:12	27125
1,1-Dichloroethane	11		0.50	µg/L	1	11/21/2006 10:12	27125
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	11/21/2006 10:12	27125
1,1,1-Trichloroethane	7.2		0.50	µg/L	1	11/21/2006 10:12	27125
1,2-Dichloroethane	ND		0.50	µg/L	1	11/21/2006 10:12	27125
Benzene	ND		0.50	µg/L	1	11/21/2006 10:12	27125
Trichloroethene	12		0.50	µg/L	1	11/21/2006 10:12	27125
Toluene	ND		0.50	µg/L	1	11/21/2006 10:12	27125
1,1,2-Trichloroethane	ND		0.50	µg/L	1	11/21/2006 10:12	27125
Tetrachloroethene	ND		0.50	µg/L	1	11/21/2006 10:12	27125
Chlorobenzene	ND		0.50	µg/L	1	11/21/2006 10:12	27125
Ethylbenzene	ND		0.50	µg/L	1	11/21/2006 10:12	27125
m,p-Xylene	ND		0.50	µg/L	1	11/21/2006 10:12	27125
o-Xylene	ND		0.50	µg/L	1	11/21/2006 10:12	27125
Surr: Dibromofluoromethane	99.9		78-117	%REC	1	11/21/2006 10:12	27125
Surr: 1,2-Dichloroethane-d4	96.6		62-124	%REC	1	11/21/2006 10:12	27125
Surr: Toluene-d8	100		81-116	%REC	1	11/21/2006 10:12	27125
Surr: Bromofluorobenzene	94.0		74-126	%REC	1	11/21/2006 10:12	27125

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:** 01-Dec-06

Client: Earth Tech
Client Sample ID: TRIP BLANK
Lab ID: E1811-06

Project: NOW Corp. Site
Collection Date: 11/16/06 00:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
VOC BY GC-MS (25 ML PURGE)			SW8260B_25_W				
Vinyl chloride	ND		0.50	µg/L	1	11/21/2006 07:09	27124
Chloroethane	ND		0.50	µg/L	1	11/21/2006 07:09	27124
1,1-Dichloroethene	ND		0.50	µg/L	1	11/21/2006 07:09	27124
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	11/21/2006 07:09	27124
Methyl tert-butyl ether	ND		0.50	µg/L	1	11/21/2006 07:09	27124
1,1-Dichloroethane	ND		0.50	µg/L	1	11/21/2006 07:09	27124
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	11/21/2006 07:09	27124
1,1,1-Trichloroethane	ND		0.50	µg/L	1	11/21/2006 07:09	27124
1,2-Dichloroethane	ND		0.50	µg/L	1	11/21/2006 07:09	27124
Benzene	ND		0.50	µg/L	1	11/21/2006 07:09	27124
Trichloroethene	ND		0.50	µg/L	1	11/21/2006 07:09	27124
Toluene	ND		0.50	µg/L	1	11/21/2006 07:09	27124
1,1,2-Trichloroethane	ND		0.50	µg/L	1	11/21/2006 07:09	27124
Tetrachloroethene	ND		0.50	µg/L	1	11/21/2006 07:09	27124
Chlorobenzene	ND		0.50	µg/L	1	11/21/2006 07:09	27124
Ethylbenzene	ND		0.50	µg/L	1	11/21/2006 07:09	27124
m,p-Xylene	ND		0.50	µg/L	1	11/21/2006 07:09	27124
o-Xylene	ND		0.50	µg/L	1	11/21/2006 07:09	27124
Surr: Dibromofluoromethane	103		78-117	%REC	1	11/21/2006 07:09	27124
Surr: 1,2-Dichloroethane-d4	95.1		62-124	%REC	1	11/21/2006 07:09	27124
Surr: Toluene-d8	101		81-116	%REC	1	11/21/2006 07:09	27124
Surr: Bromofluorobenzene	92.1		74-126	%REC	1	11/21/2006 07:09	27124

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech
Work Order: E1811
Project: NOW Corp. Site

TestCode: SW8260B_25_W

Sample ID	MB-27124	SampType: MBLK	TestCode: SW8260B_25_W	Prep Date: 11/20/2006	Run ID: V2_061120B		
Client ID:	MB-27124	Batch ID: 27124	Units: µg/L	Analysis Date: 11/20/2006	SeqNo: 569797		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit	HighLimit	RPD Ref Val %RPD RPDLimit Qual
Vinyl chloride	ND	0.50					
Chloroethane	ND	0.50					
1,1-Dichloroethene	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					
1,1,1-Trichloroethane	ND	0.50					
1,2-Dichloroethane	ND	0.50					
Benzene	ND	0.50					
Trichloroethene	ND	0.50					
Toluene	ND	0.50					
1,1,2-Trichloroethane	ND	0.50					
Tetrachloroethene	ND	0.50					
Chlorobenzene	ND	0.50					
Ethylbenzene	ND	0.50					
m,p-Xylene	ND	0.50					
o-Xylene	ND	0.50					
Surr: Dibromofluoromethane	5.526	0.50	5.000	0	111	78	117 0 0
Surr: 1,2-Dichloroethane-d4	5.110	0.50	5.000	0	102	62	124 0 0
Surr: Toluene-d8	4.809	0.50	5.000	0	96.2	81	116 0 0
Surr: Bromofluorobenzene	4.799	0.50	5.000	0	96.0	74	126 0 0

Sample ID	MB-27154	SampType:	MBLK	TestCode:	SW8260B_25_W	Prep Date:	11/21/2006	Run ID:	V2_061121A				
Client ID:	MB-27154	Batch ID:	27154	Units:	µg/L	Analysis Date:	11/21/2006	SeqNo:	569807				
Analyte		Result	PQL	SPK value		SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride		ND	0.50										
Chloroethane		ND	0.50										
1,1-Dichloroethene		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										
1,1,1-Trichloroethane		ND	0.50										
1,2-Dichloroethane		ND	0.50										
Benzene		ND	0.50										
Trichloroethene		ND	0.50										
Toluene		ND	0.50										
1,1,2-Trichloroethane		ND	0.50										
Tetrachloroethene		ND	0.50										
Chlorobenzene		ND	0.50										
Ethylbenzene		ND	0.50										
m,p-Xylene		ND	0.50										
o-Xylene		ND	0.50										
Surr: Dibromofluoromethane		5.235	0.50	5.000		0	105	78	117	0	0	0	
Surr: 1,2-Dichloroethane-d4		4.865	0.50	5.000		0	97.3	62	124	0	0	0	
Surr: Toluene-d8		4.982	0.50	5.000		0	99.6	81	116	0	0	0	
Surr: Bromofluorobenzene		4.734	0.50	5.000		0	94.7	74	126	0	0	0	

Sample ID	MB-27125	SampType:	MBLK	TestCode:	SW8260B_25_W	Prep Date:	11/20/2006	Run ID:	V2_061121B				
Client ID:	MB-27125	Batch ID:	27125	Units:	µg/L	Analysis Date:	11/21/2006	SeqNo:	569813				
Analyte		Result	PQL	SPK value		SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride		ND	0.50										
Chloroethane		ND	0.50										
1,1-Dichloroethene		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										
1,1,1-Trichloroethane		ND	0.50										
1,2-Dichloroethane		ND	0.50										
Benzene		ND	0.50										
Trichloroethene		ND	0.50										
Toluene		ND	0.50										
1,1,2-Trichloroethane		ND	0.50										
Tetrachloroethene		ND	0.50										
Chlorobenzene		ND	0.50										
Ethylbenzene		ND	0.50										
m,p-Xylene		ND	0.50										
o-Xylene		ND	0.50										
Surr: Dibromofluoromethane		5.079	0.50	5.000		0	102	78	117	0	0	0	0
Surr: 1,2-Dichloroethane-d4		4.822	0.50	5.000		0	96.4	62	124	0	0	0	0
Surr: Toluene-d8		5.078	0.50	5.000		0	102	81	116	0	0	0	0
Surr: Bromofluorobenzene		4.674	0.50	5.000		0	93.5	74	126	0	0	0	0

Sample ID	LCS-27124	SampType:	LCS	TestCode:	SW8260B_25_W	Prep Date:	11/20/2006	Run ID:	V2_061120B			
Client ID:	LCS-27124	Batch ID:	27124	Units:	µg/L	Analysis Date:	11/20/2006	SeqNo:	569798			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride		9.290	0.50	10.00	0	92.9	65	113	0	0		
Chloroethane		8.847	0.50	10.00	0	88.5	72	118	0	0		
1,1-Dichloroethene		10.28	0.50	10.00	0	103	67	121	0	0		
trans-1,2-Dichloroethene		10.09	0.50	10.00	0	101	71	124	0	0		
Methyl tert-butyl ether		9.001	0.50	10.00	0	90.0	75	123	0	0		
1,1-Dichloroethane		8.987	0.50	10.00	0	89.9	83	116	0	0		
cis-1,2-Dichloroethene		9.842	0.50	10.00	0	98.4	83	120	0	0		
1,1,1-Trichloroethane		11.31	0.50	10.00	0	113	81	122	0	0		
1,2-Dichloroethane		9.410	0.50	10.00	0	94.1	83	123	0	0		
Benzene		9.312	0.50	10.00	0	93.1	81	120	0	0		
Trichloroethene		10.26	0.50	10.00	0	103	77	121	0	0		
Toluene		10.05	0.50	10.00	0	100	81	121	0	0		
1,1,2-Trichloroethane		9.496	0.50	10.00	0	95.0	44	159	0	0		
Tetrachloroethene		10.82	0.50	10.00	0	108	73	121	0	0		
Chlorobenzene		10.09	0.50	10.00	0	101	82	118	0	0		
Ethylbenzene		10.23	0.50	10.00	0	102	80	122	0	0		
m,p-Xylene		20.11	0.50	20.00	0	101	70	130	0	0		
o-Xylene		10.20	0.50	10.00	0	102	70	130	0	0		
Surr: Dibromofluoromethane		5.319	0.50	5.000	0	106	78	117	0	0		
Surr: 1,2-Dichloroethane-d4		4.824	0.50	5.000	0	96.5	62	124	0	0		
Surr: Toluene-d8		5.042	0.50	5.000	0	101	81	116	0	0		
Surr: Bromofluorobenzene		5.152	0.50	5.000	0	103	74	126	0	0		

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech
Work Order: E1811
Project: NOW Corp. Site

TestCode: SW8260B_25_W

Sample ID	LCS-27154	SampType: LCS	TestCode: SW8260B_25_W	Prep Date: 11/21/2006	Run ID: V2_061121A				
Client ID:	LCS-27154	Batch ID: 27154	Units: µg/L	Analysis Date: 11/22/2006	SeqNo: 569808				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Vinyl chloride	9.663	0.50	10.00	0	96.6	65	113	0	0
Chloroethane	9.866	0.50	10.00	0	98.7	72	118	0	0
1,1-Dichloroethene	10.27	0.50	10.00	0	103	67	121	0	0
trans-1,2-Dichloroethene	10.19	0.50	10.00	0	102	71	124	0	0
Methyl tert-butyl ether	9.086	0.50	10.00	0	90.9	75	123	0	0
1,1-Dichloroethane	9.432	0.50	10.00	0	94.3	83	116	0	0
cis-1,2-Dichloroethene	10.18	0.50	10.00	0	102	83	120	0	0
1,1,1-Trichloroethane	10.59	0.50	10.00	0	106	81	122	0	0
1,2-Dichloroethane	9.481	0.50	10.00	0	94.8	83	123	0	0
Benzene	9.841	0.50	10.00	0	98.4	81	120	0	0
Trichloroethene	10.29	0.50	10.00	0	103	77	121	0	0
Toluene	10.21	0.50	10.00	0	102	81	121	0	0
1,1,2-Trichloroethane	10.07	0.50	10.00	0	101	44	159	0	0
Tetrachloroethene	11.62	0.50	10.00	0	116	73	121	0	0
Chlorobenzene	10.54	0.50	10.00	0	105	82	118	0	0
Ethylbenzene	10.43	0.50	10.00	0	104	80	122	0	0
m,p-Xylene	20.51	0.50	20.00	0	103	70	130	0	0
o-Xylene	10.30	0.50	10.00	0	103	70	130	0	0
Surr: Dibromofluoromethane	5.166	0.50	5.000	0	103	78	117	0	0
Surr: 1,2-Dichloroethane-d4	4.940	0.50	5.000	0	98.8	62	124	0	0
Surr: Toluene-d8	4.985	0.50	5.000	0	99.7	81	116	0	0
Surr: Bromofluorobenzene	5.089	0.50	5.000	0	102	74	126	0	0

CLIENT: Earth Tech

Work Order: E1811

Project: NOW Corp. Site

TestCode: SW8260B 25 W

Sample ID		LCS-27125		SampType: LCS		TestCode: SW8260B_25_W		Prep Date: 11/20/2006		Run ID: V2_061121B	
Client ID:		LCS-27125		Batch ID: 27125		Units: µg/L		Analysis Date: 11/21/2006		SeqNo: 569814	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	8.931	0.50	10.00	0	89.3	65	113	0	0	0	
Chloroethane	8.803	0.50	10.00	0	88.0	72	118	0	0	0	
1,1-Dichloroethene	9.627	0.50	10.00	0	96.3	67	121	0	0	0	
trans-1,2-Dichloroethene	9.314	0.50	10.00	0	93.1	71	124	0	0	0	
Methyl tert-butyl ether	7.526	0.50	10.00	0	75.3	75	123	0	0	0	
1,1-Dichloroethane	8.518	0.50	10.00	0	85.2	83	116	0	0	0	
cis-1,2-Dichloroethene	9.012	0.50	10.00	0	90.1	83	120	0	0	0	
1,1,1-Trichloroethane	10.03	0.50	10.00	0	100	81	122	0	0	0	
1,2-Dichloroethane	8.124	0.50	10.00	0	81.2	83	123	0	0	0	
Benzene	8.786	0.50	10.00	0	87.9	81	120	0	0	0	
Trichloroethene	9.359	0.50	10.00	0	93.6	77	121	0	0	0	
Toluene	9.243	0.50	10.00	0	92.4	81	121	0	0	0	
1,1,2-Trichloroethane	8.444	0.50	10.00	0	84.4	44	159	0	0	0	
Tetrachloroethene	8.689	0.50	10.00	0	86.9	73	121	0	0	0	
Chlorobenzene	9.189	0.50	10.00	0	91.9	82	118	0	0	0	
Ethylbenzene	9.332	0.50	10.00	0	93.3	80	122	0	0	0	
m,p-Xylene	18.66	0.50	20.00	0	93.3	70	130	0	0	0	
o-Xylene	9.373	0.50	10.00	0	93.7	70	130	0	0	0	
Surr: Dibromofluoromethane	5.035	0.50	5.000	0	101	78	117	0	0	0	
Surr: 1,2-Dichloroethane-d4	4.489	0.50	5.000	0	89.8	62	124	0	0	0	
Surr: Toluene-d8	5.089	0.50	5.000	0	102	81	116	0	0	0	
Surr: Bromofluorobenzene	4.889	0.50	5.000	0	97.8	74	126	0	0	0	

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

CLIENT: Earth Tech
Work Order: E1811
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

TestCode: SW8260B_25_W

Sample ID	LCSD-27154	SampType: LCSD	TestCode: SW8260B_25_W	Prep Date: 11/21/2006	Run ID: V2_061121A					
Client ID:	LCSD-27154	Batch ID: 27154	Units: µg/L	Analysis Date: 11/22/2006	SeqNo: 569809					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Vinyl chloride	9.342	0.50	10.00	0	93.4	65	113	9.663	3.38	40
Chloroethane	9.426	0.50	10.00	0	94.3	72	118	9.866	4.56	40
1,1-Dichloroethene	9.903	0.50	10.00	0	99.0	67	121	10.27	3.62	40
trans-1,2-Dichloroethene	9.884	0.50	10.00	0	98.8	71	124	10.19	3.05	40
Methyl tert-butyl ether	8.604	0.50	10.00	0	86.0	75	123	9.086	5.45	40
1,1-Dichloroethane	8.865	0.50	10.00	0	88.7	83	116	9.432	6.19	40
cis-1,2-Dichloroethene	9.713	0.50	10.00	0	97.1	83	120	10.18	4.74	40
1,1,1-Trichloroethane	10.35	0.50	10.00	0	104	81	122	10.59	2.25	40
1,2-Dichloroethane	8.899	0.50	10.00	0	89.0	83	123	9.481	6.33	40
Benzene	9.399	0.50	10.00	0	94.0	81	120	9.841	4.6	40
Trichloroethene	10.19	0.50	10.00	0	102	77	121	10.29	0.961	40
Toluene	10.02	0.50	10.00	0	100	81	121	10.21	1.93	40
1,1,2-Trichloroethane	9.295	0.50	10.00	0	93.0	44	159	10.07	8.04	40
Tetrachloroethene	11.94	0.50	10.00	0	119	73	121	11.62	2.65	40
Chlorobenzene	10.14	0.50	10.00	0	101	82	118	10.54	3.94	40
Ethylbenzene	10.32	0.50	10.00	0	103	80	122	10.43	1.01	40
m,p-Xylene	20.41	0.50	20.00	0	102	70	130	20.51	0.464	40
o-Xylene	10.29	0.50	10.00	0	103	70	130	10.30	0.0513	40
Surr: Dibromofluoromethane	4.988	0.50	5.000	0	99.8	78	117	0	0	40
Surr: 1,2-Dichloroethane-d4	4.847	0.50	5.000	0	96.9	62	124	0	0	40
Surr: Toluene-d8	5.019	0.50	5.000	0	100	81	116	0	0	40
Surr: Bromofluorobenzene	4.991	0.50	5.000	0	99.8	74	126	0	0	40

Sample ID	LCSD-27124	SampType: LCSD	TestCode: SW8260B_25_W	Prep Date: 11/20/2006	Run ID: V2_061120C				
Client ID:	LCSD-27124	Batch ID: 27124	Units: µg/L	Analysis Date: 11/20/2006	SeqNo: 569886				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit
Vinyl chloride	8.971	0.50	10.00	0	89.7	65	113	9.290	3.5
Chloroethane	9.130	0.50	10.00	0	91.3	72	118	8.847	3.16
1,1-Dichloroethene	9.984	0.50	10.00	0	99.8	67	121	10.28	2.91
trans-1,2-Dichloroethene	9.830	0.50	10.00	0	98.3	71	124	10.09	2.61
Methyl tert-butyl ether	8.726	0.50	10.00	0	87.3	75	123	9.001	3.1
1,1-Dichloroethane	8.633	0.50	10.00	0	86.3	83	116	8.987	4.01
cis-1,2-Dichloroethene	9.654	0.50	10.00	0	96.5	83	120	9.842	1.93
1,1,1-Trichloroethane	11.04	0.50	10.00	0	110	81	122	11.31	2.41
1,2-Dichloroethane	9.363	0.50	10.00	0	93.6	83	123	9.410	0.498
Benzene	9.194	0.50	10.00	0	91.9	81	120	9.312	1.28
Trichloroethene	10.18	0.50	10.00	0	102	77	121	10.26	0.776
Toluene	9.834	0.50	10.00	0	98.3	81	121	10.05	2.13
1,1,2-Trichloroethane	9.418	0.50	10.00	0	94.2	44	159	9.496	0.827
Tetrachloroethene	10.58	0.50	10.00	0	106	73	121	10.82	2.2
Chlorobenzene	9.758	0.50	10.00	0	97.6	82	118	10.09	3.34
Ethylbenzene	9.944	0.50	10.00	0	99.4	80	122	10.23	2.83
m,p-Xylene	19.49	0.50	20.00	0	97.5	70	130	20.11	3.1
o-Xylene	9.787	0.50	10.00	0	97.9	70	130	10.20	4.17
Surr: Dibromofluoromethane	5.235	0.50	5.000	0	105	78	117	0	0
Surr: 1,2-Dichloroethane-d4	4.985	0.50	5.000	0	99.7	62	124	0	0
Surr: Toluene-d8	4.956	0.50	5.000	0	99.1	81	116	0	0
Surr: Bromofluorobenzene	5.040	0.50	5.000	0	101	74	126	0	0

Mitkem Corporation

Date: 01-Dec-06

Client: Earth Tech
Client Sample ID: EFF 11/06
Lab ID: E1811-01

Project: NOW Corp. Site
Collection Date: 11/16/06 11:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
OIL & GREASE, HEM				E1664			
Oil & Grease, Total Recoverable	ND		5.0	mg/L	1	11/29/2006 00:00	27286

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

Mitkem Corporation

Date: 01-Dec-06

Client: Earth Tech

Client Sample ID: INF 11/06

Lab ID: E1811-02

Project: NOW Corp. Site

Collection Date: 11/16/06 12:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
OIL & GREASE, HEM				E1664			
Oil & Grease, Total Recoverable	ND		5.0	mg/L	1	11/29/2006 00:00	27286

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

00119

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech

Work Order: E1811

Project: NOW Corp. Site

TestCode: E1664

Sample ID	MB-27286	SampType: MBLK	TestCode: E1664	Prep Date: 11/29/2006	Run ID: MANUAL_061129A							
Client ID:	MB-27286	Batch ID: 27286	Units: mg/L	Analysis Date: 11/29/2006	SeqNo: 571206							
Analyte		Result	PQL	SPK value	SPK Ref Val	LowLimit	HighLimit	%REC	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease, Total Recoverable		ND	5.0									
Sample ID	LCS-27286	SampType: LCS	TestCode: E1664	Prep Date: 11/29/2006	Run ID: MANUAL_061129A							
Client ID:	LCS-27286	Batch ID: 27286	Units: mg/L	Analysis Date: 11/29/2006	SeqNo: 571207							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease, Total Recoverable		30.70	5.0	40.00	0	76.8	62.9	117	0	0		
Sample ID	LCSD-27286	SampType: LCSD	TestCode: E1664	Prep Date: 11/29/2006	Run ID: MANUAL_061129A							
Client ID:	LCSD-27286	Batch ID: 27286	Units: mg/L	Analysis Date: 11/29/2006	SeqNo: 571208							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease, Total Recoverable		30.00	5.0	40.00	0	75.0	62.9	117	30.70	2.31	25	

Qualifiers:
ND
ND
ND

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: 27-Nov-06

Client: Earth Tech
Client Sample ID: EFF 11/06
Lab ID: E1811-01

Project: NOW Corp. Site
Collection Date: 11/16/06 11:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
METALS BY ICP			SW6010B_W				
Aluminum	ND		100	µg/L	1	11/24/2006 14:48	27187
Arsenic	ND		10	µg/L	1	11/24/2006 14:48	27187
Barium	ND		100	µg/L	1	11/24/2006 14:48	27187
Chromium	ND		10	µg/L	1	11/24/2006 14:48	27187
Copper	ND		13	µg/L	1	11/24/2006 14:48	27187
Iron	ND		100	µg/L	1	11/24/2006 14:48	27187
Manganese	88		25	µg/L	1	11/24/2006 14:48	27187
Nickel	ND		25	µg/L	1	11/24/2006 14:48	27187
Zinc	ND		25	µg/L	1	11/24/2006 14:48	27187
MERCURY BY FIA			SW7470A				
Mercury	ND		0.20	µg/L	1	11/20/2006 15:14	27134

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

0021

Mitkem Corporation

Date: 27-Nov-06

Client: Earth Tech

Client Sample ID: INF 11/06

Lab ID: E1811-02

Project: NOW Corp. Site

Collection Date: 11/16/06 12:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
METALS BY ICP							
				SW6010B_W			
Aluminum	ND		100	µg/L	1	11/24/2006 15:01	27187
Arsenic	ND		10	µg/L	1	11/24/2006 15:01	27187
Barium	ND		100	µg/L	1	11/24/2006 15:01	27187
Chromium	ND		10	µg/L	1	11/24/2006 15:01	27187
Copper	ND		13	µg/L	1	11/24/2006 15:01	27187
Iron	ND		100	µg/L	1	11/24/2006 15:01	27187
Manganese	120		25	µg/L	1	11/24/2006 15:01	27187
Nickel	ND		25	µg/L	1	11/24/2006 15:01	27187
Zinc	ND		25	µg/L	1	11/24/2006 15:01	27187
MERCURY BY FIA							
				SW7470A			
Mercury	ND		0.20	µg/L	1	11/20/2006 15:16	27134

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

0022

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech

Work Order: E1811

Project: NOW Corp. Site

TestCode: SW6010B_W

Sample ID: MB-27187	SampType: MBLK	TestCode: SW6010B_W	Prep Date: 11/22/2006	Run ID: OPTIMA3_061124C							
Client ID: MB-27187	Batch ID: 27187	Units: µg/L	Analysis Date: 11/24/2006	SeqNo: 568947							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	ND	100									
Arsenic	ND	10									
Barium	ND	100									
Chromium	ND	10									
Copper	ND	15									
Iron	ND	100									
Manganese	ND	25									
Nickel	ND	25									
Zinc	ND	25									

Sample ID: LCS-27187	SampType: LCS	TestCode: SW6010B_W	Prep Date: 11/22/2006	Run ID: OPTIMA3_061124C							
Client ID: LCS-27187	Batch ID: 27187	Units: µg/L	Analysis Date: 11/24/2006	SeqNo: 568948							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	8417	100	9100	0	92.5	80	120	0	0		
Arsenic	434.9	10	455.0	0	95.6	80	120	0	0		
Barium	8693	100	9100	0	95.5	80	120	0	0		
Chromium	866.8	10	910.0	0	95.3	80	120	0	0		
Copper	1087	15	1130	0	96.2	80	120	0	0		
Iron	4281	100	4550	0	94.1	80	120	0	0		
Manganese	2155	25	2270	0	95.0	80	120	0	0		
Nickel	2156	25	2270	0	95.0	80	120	0	0		
Zinc	2113	25	2270	0	93.1	80	120	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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech

Work Order: E1811

Project: NOW Corp. Site

TestCode: SW6010B_W

Sample ID: E1811-01BMS	SampType: MS	TestCode: SW6010B_W	Prep Date: 11/22/2006	Run ID: OPTIMA3_061124C
Client ID: EFF 11/06	Batch ID: 27187	Units: µg/L	Analysis Date: 11/24/2006	SeqNo: 568951

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	8317	100	9100	0	91.4	80	120	0	0	0	
Arsenic	423.6	10	455.5	1.471	92.7	80	120	0	0	0	
Barium	8453	100	9100	74.10	92.1	80	120	0	0	0	
Chromium	838.4	10	910.0	0.7679	92.0	80	120	0	0	0	
Copper	1063	15	1130	5.000	93.6	80	120	0	0	0	
Iron	4195	100	4550	20.91	91.7	80	120	0	0	0	
Manganese	2175	25	2270	88.49	91.9	80	120	0	0	0	
Nickel	2044	25	2270	1.032	90.0	80	120	0	0	0	
Zinc	1985	25	2270	20.39	86.6	80	120	0	0	0	

Sample ID: E1811-01BDUP	SampType: DUP	TestCode: SW6010B_W	Prep Date: 11/22/2006	Run ID: OPTIMA3_061124C
Client ID: EFF 11/06	Batch ID: 27187	Units: µg/L	Analysis Date: 11/24/2006	SeqNo: 568950

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	100	0	0	0	0	0	0	0	20	
Arsenic	ND	10	0	0	0	0	0	1.471	0	20	
Barium	ND	100	0	0	0	0	0	74.10	0	20	
Chromium	ND	10	0	0	0	0	0	0.7679	0	20	
Copper	ND	15	0	0	0	0	0	5.000	0	20	
Iron	ND	100	0	0	0	0	0	20.91	0	20	
Manganese	88.19	25	0	0	0	0	0	88.49	0.329	20	
Nickel	ND	25	0	0	0	0	0	1.032	0	20	
Zinc	ND	25	0	0	0	0	0	20.39	0	20	

Sample ID: E1811-01BSD	SampType: SD	TestCode: SW6010B_W	Prep Date: 11/22/2006	Run ID: OPTIMA3_061124C
Client ID: EFF 11/06	Batch ID: R18987	Units: µg/L	Analysis Date: 11/24/2006	SeqNo: 568952

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	500	0	0	0	0	0	0	0	10	
Arsenic	ND	50	0	0	0	0	0	1.471	0	10	
Barium	ND	500	0	0	0	0	0	74.10	0	10	
Chromium	ND	50	0	0	0	0	0	0.7679	0	10	
Copper	ND	63	0	0	0	0	0	5.000	0	10	
Iron	ND	500	0	0	0	0	0	20.91	0	10	
Manganese	ND	130	0	0	0	0	0	88.49	0	10	
Nickel	ND	130	0	0	0	0	0	1.032	0	10	
Zinc	ND	130	0	0	0	0	0	20.39	0	10	

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

Sample ID: MB-27134	SampType: MBLK	TestCode: SW7470A	Prep Date: 11/20/2006	Run ID: FIMS1_061120A			
Client ID: MB-27134	Batch ID: 27134	Units: µg/L	Analysis Date: 11/20/2006	SeqNo: 567219			
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Mercury	ND	0.20					

Sample ID: LCS-27134	SampType: LCS	TestCode: SW7470A	Prep Date: 11/20/2006	Run ID: FIMS1_061120A				
Client ID: LCS-27134	Batch ID: 27134	Units: µg/L	Analysis Date: 11/20/2006	SeqNo: 567220				
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit	Qual	
Mercury	4.745	0.20	4.550	0	104	67.3	120	0

Mitkem Corporation

Date: 30-Nov-06

Client: Earth Tech
Client Sample ID: EFF 11/06
Lab ID: E1811-01

Project: NOW Corp. Site
Collection Date: 11/16/06 11:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS							
Total Dissolved Solids	270		10	mg/L	1	11/20/2006 16:00	27136
TOTAL SUSPENDED SOLIDS							
Total Suspended Solids	120		10	mg/L	1	11/20/2006 16:00	27137
TOTAL CYANIDE							
Cyanide	ND		10	µg/L	1	11/27/2006 20:27	27140

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: 30-Nov-06

Client: Earth Tech
Client Sample ID: INF 11/06
Lab ID: E1811-02

Project: NOW Corp. Site
Collection Date: 11/16/06 12:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS				SM2540_TDS			
Total Dissolved Solids	280		10	mg/L	1	11/20/2006 16:00	27136
TOTAL SUSPENDED SOLIDS				SM2540_TSS			
Total Suspended Solids	ND		10	mg/L	1	11/20/2006 16:00	27137
TOTAL CYANIDE				SW9012B_W			
Cyanide	ND		10	µg/L	1	11/27/2006 20:35	27140

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: E1811

Project: NOW Corp. Site

TestCode: SM2540_TDS

Sample ID: MB-27136	SampType: MBLK	TestCode: SM2540_TDS	Prep Date: 11/20/2006	Run ID: MANUAL_061120A			
Client ID: MB-27136	Batch ID: 27136	Units: mg/L	Analysis Date: 11/20/2006	SeqNo: 568237			
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
			SPK value				

Total Dissolved Solids			ND	10								
Sample ID: LCS-27136	SampType: LCS	TestCode: SM2540_TDS	Prep Date: 11/20/2006	Run ID: MANUAL_061120A								
Client ID: LCS-27136	Batch ID: 27136	Units: mg/L	Analysis Date: 11/20/2006	SeqNo: 568240								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Dissolved Solids	729.0	10	744.0	0	98.0	81.5	116	0	0			

Sample ID: MB-27137	SampType: MBLK	TestCode: SM2540_TSS	Prep Date: 11/20/2006	Run ID: MANUAL_061120B
Client ID: MB-27137	Batch ID: 27137	Units: mg/L	Analysis Date: 11/20/2006	SeqNo: 568246
Analyte		Result	SPK Ref Val	SPK value
		ND		
Total Suspended Solids		10		

Sample ID: LCS-27137	SampType: LCS	TestCode: SM2540_TSS	Prep Date: 11/20/2006	Run ID: MANUAL_061120B
Client ID: LCS-27137	Batch ID: 27137	Units: mg/L	Analysis Date: 11/20/2006	SeqNo: 568247
Analyte		Result	SPK Ref Val	SPK value
		74.00	0	74.90
Total Suspended Solids		10	98.8	73.2
			0	0
				0

CLIENT: Earth Tech
Work Order: E1811
Project: NOW Corp

Project: NOW Corp. Site

Sample ID: MB-27140	SampType: MBLK	TestCode: SW9012B_W	Prep Date: 11/20/2006	Run ID: LACHAT1_061127C							
Client ID: MB-27140	Batch ID: 27140	Units: µg/L	Analysis Date: 11/27/2006	SeqNo: 570757							
Analyte		Result	SPK Ref Val	SPK value	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		ND	20								

Sample ID: LCS-27140	SampType: LCS	TestCode: SW9012B_W	Prep Date: 11/20/2006	Run ID: LACHAT1_061127C							
Client ID: LCS-27140	Batch ID: 27140	Units: µg/L	Analysis Date: 11/27/2006	SeqNo: 570758							
Analyte		Result	SPK Ref Val	SPK value	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		108.2	20	100.0	0	108	80	120	0	0	

Sample ID: E1811-01EMS	SampType: MS	TestCode: SW9012B_W	Prep Date: 11/20/2006	Run ID: LACHAT1_061127C							
Client ID: EFF 11/06	Batch ID: 27140	Units: µg/L	Analysis Date: 11/27/2006	SeqNo: 569685							
Analyte		Result	SPK Ref Val	SPK value	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		98.83	20	100.0	0	98.8	75	125	0	0	

Sample ID: E1811-01EDUP	SampType: DUP	TestCode: SW9012B_W	Prep Date: 11/20/2006	Run ID: LACHAT1_061127C							
Client ID: EFF 11/06	Batch ID: 27140	Units: µg/L	Analysis Date: 11/27/2006	SeqNo: 569684							
Analyte		Result	SPK Ref Val	SPK value	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide		ND	20	0	0	0	0	0	0	0	20

B - Analyte detected in the associated Method Blank

Qualifying

R - RPD outside accepted recovery limits

Client ID: EARTH_NY

Project: NOW Corp. Site

Location:

Comments: N/A

Case:

SDG:

PO: 55849.01

Report Level: LEVEL 2

EDD:

HC Due: 12/05/06

Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
E1811-01A	EFF 11/06	11/16/2006 11:50	11/17/2006	Aqueous	SW8260B_25_W	use for VOCs, if can't, use OLC i	☐	☐	☒	VOA
E1811-01B	EFF 11/06	11/16/2006 11:50	11/17/2006	Aqueous	SW6010B_W	Prep=50mL initial vol to 25mL f	☐	☐	☒	M1
					SW7470A		☐	☐	☐	M1
E1811-01C	EFF 11/06	11/16/2006 11:50	11/17/2006	Aqueous	SM2540_TDS		☐	☐	☐	K1
					SM2540_TSS		☐	☐	☐	K1
E1811-01D	EFF 11/06	11/16/2006 11:50	11/17/2006	Aqueous	E1664		☐	☐	☐	K1
E1811-01E	EFF 11/06	11/16/2006 11:50	11/17/2006	Aqueous	SW9012B_W		☐	☐	☒	K1
E1811-02A	INF 11/06	11/16/2006 12:10	11/17/2006	Aqueous	SW8260B_25_W	use for VOCs, if can't, use OLC i	☐	☐	☒	VOA
E1811-02B	INF 11/06	11/16/2006 12:10	11/17/2006	Aqueous	SW6010B_W	Prep=50mL initial vol to 25mL f	☐	☐	☒	M1
					SW7470A		☐	☐	☐	M1
E1811-02C	INF 11/06	11/16/2006 12:10	11/17/2006	Aqueous	SM2540_TDS		☐	☐	☐	K1
					SM2540_TSS		☐	☐	☐	K1

Client Rep: Edward A Lawler

Page 1 of 2

Client ID: EARTH_NY

Project: NOW Corp. Site

Location:

Comments: N/A

Case:

SDG:

PO: 55849.01

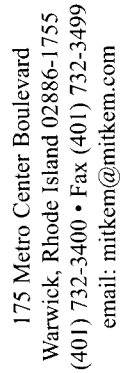
Report Level: LEVEL 2

EDD:

HC Due: 12/05/06

Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
E1811-02D	INF 11/06	11/16/2006 12:10	11/17/2006	Aqueous	E1664		☐	☐	☐	KI
E1811-02E	INF 11/06	11/16/2006 12:10	11/17/2006	Aqueous	SW9012B_W		☐	☐	☒	KI
E1811-03A	TW-1	11/16/2006 12:20	11/17/2006	Aqueous	SW8260B_25_W	use for VOCs, if can't, use OLC i	☐	☐	☒	VOA
E1811-04A	TW-2A	11/16/2006 12:25	11/17/2006	Aqueous	SW8260B_25_W	use for VOCs, if can't, use OLC i	☐	☐	☒	VOA
E1811-05A	TW-3	11/16/2006 12:30	11/17/2006	Aqueous	SW8260B_25_W	use for VOCs, if can't, use OLC i	☐	☐	☒	VOA
E1811-06A	TRIP BLANK	11/16/2006 0:00	11/17/2006	Aqueous	SW8260B_25_W	use for VOCs, if can't, use OLC i	☐	☐	☒	VOA



CHAIN-OF-CUSTODY RECORD

[illegible]