

Operation, Maintenance and Monitoring Report

July 2007

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



A **tyco** International Ltd. Company

September 7, 2007

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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 – “July” 2007

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 35-day period (**June 7, 2007 through July 12, 2007**).

With the exceptions noted below (if any), the P&T system was online and operational throughout the reporting period. Approximately 360,000 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 10,300 gallons per day (gpd). During the prior reporting period, the average discharge was 17,900 gpd.

As of the last day of the reporting period, a total of 58,937,800 gallons of groundwater had been recovered and treated by the system since it became operational in February 1998.

Table 1 summarizes influent and effluent analytical data for water samples collected on July 12, 2007. **There were no exceedances of effluent limitations.** Table 2 summarizes selected operational data recorded on the last day of the reporting period. Table 3 presents the quarterly water levels. A copy of the laboratory data report is included in this report.

Earth Tech made four site visits during the reporting period to conduct the required system inspection, perform scheduled and/or unscheduled maintenance, and to collect water samples and quarterly water levels. The June 7th service visit was described in the previous report. Details for the current period follow:

June 19th – Cleaned three settling tanks, and disassembled, cleaned and reassembled the air stripper.

June 26th – Replaced heavily mineralized/obstructed piping on effluent side of air stripper. Pulled, cleaned and re-installed pump in extraction well TW-2A. Reset submersible pump discharge rates on TW-1 and TW-2A.

July 2nd – Transducer failed in well TW-2A on June 30th – output went to zero. This partially accounts for the reduced system effluent volume presented above. Pulled failed transducer out of the well, which will be offline until the transducer is replaced. Increased flow rate on TW-1 to compensate for lack of pumping at TW-2A (water levels had increased at TW-1 since the pump at TW-2A shut down on June 30th).

July 12th – Monthly system inspection, and influent/effluent sampling. Pump in TW-2A was operated “manually” so a water sample could be obtained. Pump was shut down prior to leaving site. Quarterly water level measurements were made on this service call. Exchanged effluent pump with a clean spare. Reset submersible pump discharge rates on TW-1 and TW-3.

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.

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Mr. Carl Hoffman
NYSDEC

Sincerely,
Earth Tech Northeast



Stephen R. Choiniere
Project Manager

Attachments

TABLES

Table 1
Summary of Influent and Effluent Data
Sampling Date: July 12, 2007
NOW Corporation Site
Town of Clinton, New York

Analytes/ Parameters	Total Influent	Effluent	Recovery Wells			Effluent Limitations (units)	
			TW-1	TW-2A	TW-3	Monitor	gpd
Quantity treated, per day		10,286					
pH	6.2	6.8	NA	NA	NA	6.5 to 8.5	standard units
Oil and Grease	<5.0	<5.0	NA	NA	NA	15	mg/L
Total Cyanide	<10	<10	NA	NA	NA	10	ug/L
TDS	300	260	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	350	270	NA	NA	NA	600	ug/L
Mercury	<0.20	<0.20	NA	NA	NA	0.8	ug/L
Manganese	140	<50	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	720	<0.5	460	2000	110	5	ug/L
1,1,2-Trichloroethane	<25	<0.5	<20	<50	<0.5	1.2	ug/L
1,1-Dichloroethane	170	<0.5	150	400	59	5	ug/L
1,1-Dichloroethene	13 J	<0.5	11 J	70	5.3	0.5	ug/L
1,2-Dichloroethane	<25	<0.5	<20	<50	<0.5	1.6	ug/L
Benzene	<25	<0.5	<20	<50	<0.5	0.8	ug/L
Chlorobenzene	<25	<0.5	<20	<50	<0.5	5	ug/L
Chloroethane	<25	<0.5	<20	<50	0.58	5	ug/L
cis-1,2-Dichloroethene	<25	<0.5	10 J	<50	0.33 J	5	ug/L
Ethylbenzene	<25	<0.5	<20	<50	<0.5	5	ug/L
Methyl tert-butyl ether	<25	<0.5	<20	<50	<0.5	5	ug/L
o-Xylene	<25	<0.5	<20	<50	<0.5	5	ug/L
p&m-Xylene	<25	<0.5	<20	<50	<0.5	10	ug/L
Tetrachloroethene	<25	<0.5	<20	<50	<0.5	1.4	ug/L
Toluene	<25	<0.5	<20	<50	<0.5	5	ug/L
trans-1,2-Dichloroethene	<25	<0.5	<20	<50	<0.5	5	ug/L
Trichloroethene	330	<0.5	230	930	16	5	ug/L
Vinyl Chloride	<25	<0.5	<20	<50	<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 July 2007 O&M Data

**NOW Corporation Site
 Town of Clinton, New York**

Instrumentation/Readings:	7/12/07	Units
<i>TW-1</i>		
Pumping Rate	4	GPM
Water Level Above Transducer	18.35	feet
Flow Meter Reading	4,118,800	gallons
Pump Pressure	73	psi
<i>TW-2A</i>		
Pumping Rate	OFFLINE	GPM
Water Level Above Transducer	OFFLINE	feet
Flow Meter Reading	2,406,300	gallons
Pump Pressure	90	psi
<i>TW-3</i>		
Pumping Rate	3	GPM
Water Level Above Transducer	17.37	feet
Flow Meter Reading	4,451,500	gallons
Pump Pressure	64	psi
<i>Air Stripper</i>		
Stripper Blower Pressure	19	inches H ₂ O
Air Temperature in Stripper	52	°F
Pressure Gauge - Left Leg	1.1	inches H ₂ O
Pressure Gauge - Right Leg	0.6	inches H ₂ O
<i>Effluent Flow</i>		
Effluent Flow this period (calculated)	360,000	gallons
Total Effluent Flow (calculated)	58,937,800	gallons

Table 3
July 2007 Groundwater Levels

**NOW Corporation Site
 Town of Clinton, New York**

Well ID	Elevation	MP	7/12/07
		Depth to Water (Ft below MP)	GW Elevation
MW-1	289.50	16.70	272.80
MW-2	332.51	35.29	297.22
MW-3	312.83	33.86	278.97
MW-3S	312.51	29.42	283.09
MW-4	298.29	26.11	272.18
MW-4D	298.16	25.97	272.19
MW-5	285.48	19.98	265.50
MW-6S	287.90	21.21	266.69
MW-6D	287.25	14.32	272.93
MW-7S	292.12	23.98	268.14
MW-7D	292.54	32.90	259.64
OW-1	307.75	46.28	261.47
OW-2	305.96	64.42	241.54
OW-6	294.81	8.82	285.99
IW-1	312.46	39.48	272.98
IW-2	306.56	39.66	266.90
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, 94017.02, 07/07

Lab Work Order: F0959

Date samples received: 07/13/07

Project Narrative

This data report includes the analysis results for six (6) aqueous samples that were received from Earth Tech on July 13, 2007. Analyses were performed per specification in the Chain of Custody form. 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 limits for volatile organic analyses with the exception of elevated recoveries for 1,2-dichloroethane-d4 in samples TW-1 and TW-2A. Percent recoveries in laboratory control samples were within the QC limits with the exception of marginally low recovery for 1,2-dichloroethane in LCS-31177 and elevated recovery for tetrachloroethene in LCSD-31177. Due to elevated concentrations of target analytes, the following samples were initially analyzed at dilution: INF 7/07 (50X), TW-1 (40X), TW-2A (100X), and sample TW-3 was reanalyzed at 10X 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.

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 black ink, appearing to read "Edward A. Lawler".

Edward A. Lawler
Laboratory Operations Manager

Mitkem Corporation

Date: 24-Jul-07

Client: Earth Tech

Client Sample ID: EFF 7/07

Lab ID: F0959-01

Project: NOW Corp. Site

Collection Date: 07/12/07 11:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
VOC by GC-MS (25 mL Purge)							
Vinyl chloride	ND		0.50	µg/L		1 07/17/2007 06:52	31177
Chloroethane	ND		0.50	µg/L		1 07/17/2007 06:52	31177
1,1-Dichloroethene	ND		0.50	µg/L		1 07/17/2007 06:52	31177
trans-1,2-Dichloroethene	ND		0.50	µg/L		1 07/17/2007 06:52	31177
Methyl tert-butyl ether	ND		0.50	µg/L		1 07/17/2007 06:52	31177
1,1-Dichloroethane	ND		0.50	µg/L		1 07/17/2007 06:52	31177
cis-1,2-Dichloroethene	ND		0.50	µg/L		1 07/17/2007 06:52	31177
1,1,1-Trichloroethane	ND		0.50	µg/L		1 07/17/2007 06:52	31177
1,2-Dichloroethane	ND		0.50	µg/L		1 07/17/2007 06:52	31177
Benzene	ND		0.50	µg/L		1 07/17/2007 06:52	31177
Trichloroethene	ND		0.50	µg/L		1 07/17/2007 06:52	31177
Toluene	ND		0.50	µg/L		1 07/17/2007 06:52	31177
1,1,2-Trichloroethane	ND		0.50	µg/L		1 07/17/2007 06:52	31177
Tetrachloroethene	ND		0.50	µg/L		1 07/17/2007 06:52	31177
Chlorobenzene	ND		0.50	µg/L		1 07/17/2007 06:52	31177
Ethylbenzene	ND		0.50	µg/L		1 07/17/2007 06:52	31177
m,p-Xylene	ND		0.50	µg/L		1 07/17/2007 06:52	31177
o-Xylene	ND		0.50	µg/L		1 07/17/2007 06:52	31177
Surr: Dibromofluoromethane	97.3		88-124	%REC		1 07/17/2007 06:52	31177
Surr: 1,2-Dichloroethane-d4	92.6		79-115	%REC		1 07/17/2007 06:52	31177
Surr: Toluene-d8	111		80-114	%REC		1 07/17/2007 06:52	31177
Surr: Bromofluorobenzene	78.8		60-123	%REC		1 07/17/2007 06:52	31177

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: 24-Jul-07

Client: Earth Tech
Client Sample ID: INF 7/07
Lab ID: F0959-02

Project: NOW Corp. Site
Collection Date: 07/12/07 11:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
VOC by GC-MS (25 mL Purge)							
Vinyl chloride	ND		25	µg/L	50	07/19/2007 17:11	31210
Chloroethane	ND		25	µg/L	50	07/19/2007 17:11	31210
1,1-Dichloroethene	13	J	25	µg/L	50	07/19/2007 17:11	31210
trans-1,2-Dichloroethene	ND		25	µg/L	50	07/19/2007 17:11	31210
Methyl tert-butyl ether	ND		25	µg/L	50	07/19/2007 17:11	31210
1,1-Dichloroethane	170		25	µg/L	50	07/19/2007 17:11	31210
cis-1,2-Dichloroethene	ND		25	µg/L	50	07/19/2007 17:11	31210
1,1,1-Trichloroethane	720		25	µg/L	50	07/19/2007 17:11	31210
1,2-Dichloroethane	ND		25	µg/L	50	07/19/2007 17:11	31210
Benzene	ND		25	µg/L	50	07/19/2007 17:11	31210
Trichloroethene	330		25	µg/L	50	07/19/2007 17:11	31210
Toluene	ND		25	µg/L	50	07/19/2007 17:11	31210
1,1,2-Trichloroethane	ND		25	µg/L	50	07/19/2007 17:11	31210
Tetrachloroethene	ND		25	µg/L	50	07/19/2007 17:11	31210
Chlorobenzene	ND		25	µg/L	50	07/19/2007 17:11	31210
Ethylbenzene	ND		25	µg/L	50	07/19/2007 17:11	31210
m,p-Xylene	ND		25	µg/L	50	07/19/2007 17:11	31210
o-Xylene	ND		25	µg/L	50	07/19/2007 17:11	31210
Surr: Dibromofluoromethane	104		88-124	%REC	50	07/19/2007 17:11	31210
Surr: 1,2-Dichloroethane-d4	108		79-115	%REC	50	07/19/2007 17:11	31210
Surr: Toluene-d8	109		80-114	%REC	50	07/19/2007 17:11	31210
Surr: Bromofluorobenzene	82,3		60-123	%REC	50	07/19/2007 17:11	31210

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: 24-Jul-07

Client: Earth Tech
Client Sample ID: TW-1
Lab ID: F0959-03 **Project:** NOW Corp. Site
Collection Date: 07/12/07 11:55

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
VOC by GC-MS (25 mL Purge)							
Vinyl chloride	ND		20	µg/L		40 07/19/2007 17:42	31210
Chloroethane	ND		20	µg/L		40 07/19/2007 17:42	31210
1,1-Dichloroethene	11	J	20	µg/L		40 07/19/2007 17:42	31210
trans-1,2-Dichloroethene	ND		20	µg/L		40 07/19/2007 17:42	31210
Methyl tert-butyl ether	ND		20	µg/L		40 07/19/2007 17:42	31210
1,1-Dichloroethane	150		20	µg/L		40 07/19/2007 17:42	31210
cis-1,2-Dichloroethene	10	J	20	µg/L		40 07/19/2007 17:42	31210
1,1,1-Trichloroethane	460		20	µg/L		40 07/19/2007 17:42	31210
1,2-Dichloroethane	ND		20	µg/L		40 07/19/2007 17:42	31210
Benzene	ND		20	µg/L		40 07/19/2007 17:42	31210
Trichloroethene	230		20	µg/L		40 07/19/2007 17:42	31210
Toluene	ND		20	µg/L		40 07/19/2007 17:42	31210
1,1,2-Trichloroethane	ND		20	µg/L		40 07/19/2007 17:42	31210
Tetrachloroethene	ND		20	µg/L		40 07/19/2007 17:42	31210
Chlorobenzene	ND		20	µg/L		40 07/19/2007 17:42	31210
Ethylbenzene	ND		20	µg/L		40 07/19/2007 17:42	31210
m,p-Xylene	ND		20	µg/L		40 07/19/2007 17:42	31210
o-Xylene	ND		20	µg/L		40 07/19/2007 17:42	31210
Surr: Dibromofluoromethane	114		88-124	%REC		40 07/19/2007 17:42	31210
Surr: 1,2-Dichloroethane-d4	117	S	79-115	%REC		40 07/19/2007 17:42	31210
Surr: Toluene-d8	104		80-114	%REC		40 07/19/2007 17:42	31210
Surr: Bromofluorobenzene	74.7		60-123	%REC		40 07/19/2007 17:42	31210

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DF - Dilution Factor

RL - Reporting Limit



Mitkem Corporation

Date: 24-Jul-07

Client: Earth Tech

Client Sample ID: TW-2A

Lab ID: F0959-04

Project: NOW Corp. Site

Collection Date: 07/12/07 12:00

Analyses	Result	Qual	RL Units	DF	Date Analyzed	Batch ID
VOC by GC-MS (25 mL Purge)						
Vinyl chloride	ND		50 µg/L	100	07/19/2007 18:13	31210
Chloroethane	ND		50 µg/L	100	07/19/2007 18:13	31210
1,1-Dichloroethene	70		50 µg/L	100	07/19/2007 18:13	31210
trans-1,2-Dichloroethene	ND		50 µg/L	100	07/19/2007 18:13	31210
Methyl tert-butyl ether	ND		50 µg/L	100	07/19/2007 18:13	31210
1,1-Dichloroethane	400		50 µg/L	100	07/19/2007 18:13	31210
cis-1,2-Dichloroethene	ND		50 µg/L	100	07/19/2007 18:13	31210
1,1,1-Trichloroethane	2000		50 µg/L	100	07/19/2007 18:13	31210
1,2-Dichloroethane	ND		50 µg/L	100	07/19/2007 18:13	31210
Benzene	ND		50 µg/L	100	07/19/2007 18:13	31210
Trichloroethene	930		50 µg/L	100	07/19/2007 18:13	31210
Toluene	ND		50 µg/L	100	07/19/2007 18:13	31210
1,1,2-Trichloroethane	ND		50 µg/L	100	07/19/2007 18:13	31210
Tetrachloroethene	ND		50 µg/L	100	07/19/2007 18:13	31210
Chlorobenzene	ND		50 µg/L	100	07/19/2007 18:13	31210
Ethylbenzene	ND		50 µg/L	100	07/19/2007 18:13	31210
m,p-Xylene	ND		50 µg/L	100	07/19/2007 18:13	31210
o-Xylene	ND		50 µg/L	100	07/19/2007 18:13	31210
Surr: Dibromofluoromethane	115		88-124 %REC	100	07/19/2007 18:13	31210
Surr: 1,2-Dichloroethane-d4	127 S		79-115 %REC	100	07/19/2007 18:13	31210
Surr: Toluene-d8	109		80-114 %REC	100	07/19/2007 18:13	31210
Surr: Bromofluorobenzene	80.9		60-123 %REC	100	07/19/2007 18:13	31210

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: 24-Jul-07

Client: Earth Tech
Client Sample ID: TW-3
Lab ID: F0959-05

Project: NOW Corp. Site
Collection Date: 07/12/07 12:05

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
VOC by GC-MS (25 mL Purge)							
Vinyl chloride	ND		0.50	µg/L		1 07/17/2007 8:55	31177
Chloroethane	0.58		0.50	µg/L		1 07/17/2007 8:55	31177
1,1-Dichloroethene	5.3		0.50	µg/L		1 07/17/2007 8:55	31177
trans-1,2-Dichloroethene	ND		0.50	µg/L		1 07/17/2007 8:55	31177
Methyl tert-butyl ether	ND		0.50	µg/L		1 07/17/2007 8:55	31177
1,1-Dichloroethane	57	E	0.50	µg/L		1 07/17/2007 8:55	31177
cis-1,2-Dichloroethene	0.33	J	0.50	µg/L		1 07/17/2007 8:55	31177
1,1,1-Trichloroethane	100	E	0.50	µg/L		1 07/17/2007 8:55	31177
1,2-Dichloroethane	ND		0.50	µg/L		1 07/17/2007 8:55	31177
Benzene	ND		0.50	µg/L		1 07/17/2007 8:55	31177
Trichloroethene	16		0.50	µg/L		1 07/17/2007 8:55	31177
Toluene	ND		0.50	µg/L		1 07/17/2007 8:55	31177
1,1,2-Trichloroethane	ND		0.50	µg/L		1 07/17/2007 8:55	31177
Tetrachloroethene	ND		0.50	µg/L		1 07/17/2007 8:55	31177
Chlorobenzene	ND		0.50	µg/L		1 07/17/2007 8:55	31177
Ethylbenzene	ND		0.50	µg/L		1 07/17/2007 8:55	31177
m,p-Xylene	ND		0.50	µg/L		1 07/17/2007 8:55	31177
o-Xylene	ND		0.50	µg/L		1 07/17/2007 8:55	31177
Surr: Dibromofluoromethane	107		88-124	%REC		1 07/17/2007 8:55	31177
Surr: 1,2-Dichloroethane-d4	86.6		79-115	%REC		1 07/17/2007 8:55	31177
Surr: Toluene-d8	111		80-114	%REC		1 07/17/2007 8:55	31177
Surr: Bromofluorobenzene	77.5		60-123	%REC		1 07/17/2007 8:55	31177

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DF - Dilution Factor

RL - Reporting Limit

Mitkem Corporation

Date: 24-Jul-07

Client: Earth Tech

Client Sample ID: TW-3

Lab ID: F0959-05

Project: NOW Corp. Site

Collection Date: 07/12/07 12:05

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
VOC by GC-MS (25 mL Purge)							
Vinyl chloride	ND		5.0	µg/L		10 07/17/2007 10:27	31177
Chloroethane	ND		5.0	µg/L		10 07/17/2007 10:27	31177
1,1-Dichloroethene	3.9	J	5.0	µg/L		10 07/17/2007 10:27	31177
trans-1,2-Dichloroethene	ND		5.0	µg/L		10 07/17/2007 10:27	31177
Methyl tert-butyl ether	ND		5.0	µg/L		10 07/17/2007 10:27	31177
1,1-Dichloroethane	59		5.0	µg/L		10 07/17/2007 10:27	31177
cis-1,2-Dichloroethene	ND		5.0	µg/L		10 07/17/2007 10:27	31177
1,1,1-Trichloroethane	110		5.0	µg/L		10 07/17/2007 10:27	31177
1,2-Dichloroethane	ND		5.0	µg/L		10 07/17/2007 10:27	31177
Benzene	ND		5.0	µg/L		10 07/17/2007 10:27	31177
Trichloroethene	14		5.0	µg/L		10 07/17/2007 10:27	31177
Toluene	ND		5.0	µg/L		10 07/17/2007 10:27	31177
1,1,2-Trichloroethane	ND		5.0	µg/L		10 07/17/2007 10:27	31177
Tetrachloroethene	ND		5.0	µg/L		10 07/17/2007 10:27	31177
Chlorobenzene	ND		5.0	µg/L		10 07/17/2007 10:27	31177
Ethylbenzene	ND		5.0	µg/L		10 07/17/2007 10:27	31177
m,p-Xylene	ND		5.0	µg/L		10 07/17/2007 10:27	31177
o-Xylene	ND		5.0	µg/L		10 07/17/2007 10:27	31177
Surr: Dibromofluoromethane	99.5		88-124	%REC		10 07/17/2007 10:27	31177
Surr: 1,2-Dichloroethane-d4	89.3		79-115	%REC		10 07/17/2007 10:27	31177
Surr: Toluene-d8	113		80-114	%REC		10 07/17/2007 10:27	31177
Surr: Bromofluorobenzene	72.4		60-123	%REC		10 07/17/2007 10:27	31177

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: 24-Jul-07

Client: Earth Tech
Client Sample ID: TRIP BLANK
Lab ID: F0959-06

Project: NOW Corp. Site
Collection Date: 07/12/07 00:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
VOC by GC-MS (25 mL Purge)							
Vinyl chloride	ND		0.50	µg/L		1 07/17/2007 06:21	31177
Chloroethane	ND		0.50	µg/L		1 07/17/2007 06:21	31177
1,1-Dichloroethene	ND		0.50	µg/L		1 07/17/2007 06:21	31177
trans-1,2-Dichloroethene	ND		0.50	µg/L		1 07/17/2007 06:21	31177
Methyl tert-butyl ether	ND		0.50	µg/L		1 07/17/2007 06:21	31177
1,1-Dichloroethane	ND		0.50	µg/L		1 07/17/2007 06:21	31177
cis-1,2-Dichloroethene	ND		0.50	µg/L		1 07/17/2007 06:21	31177
1,1,1-Trichloroethane	ND		0.50	µg/L		1 07/17/2007 06:21	31177
1,2-Dichloroethane	ND		0.50	µg/L		1 07/17/2007 06:21	31177
Benzene	ND		0.50	µg/L		1 07/17/2007 06:21	31177
Trichloroethene	ND		0.50	µg/L		1 07/17/2007 06:21	31177
Toluene	ND		0.50	µg/L		1 07/17/2007 06:21	31177
1,1,2-Trichloroethane	ND		0.50	µg/L		1 07/17/2007 06:21	31177
Tetrachloroethene	ND		0.50	µg/L		1 07/17/2007 06:21	31177
Chlorobenzene	ND		0.50	µg/L		1 07/17/2007 06:21	31177
Ethylbenzene	ND		0.50	µg/L		1 07/17/2007 06:21	31177
m,p-Xylene	ND		0.50	µg/L		1 07/17/2007 06:21	31177
o-Xylene	ND		0.50	µg/L		1 07/17/2007 06:21	31177
Surr: Dibromofluoromethane	92.5		88-124	%REC		1 07/17/2007 06:21	31177
Surr: 1,2-Dichloroethane-d4	87.6		79-115	%REC		1 07/17/2007 06:21	31177
Surr: Toluene-d8	109		80-114	%REC		1 07/17/2007 06:21	31177
Surr: Bromofluorobenzene	74.7		60-123	%REC		1 07/17/2007 06:21	31177

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: 24-Jul-07

CLIENT: Earth Tech
Work Order: F0959
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

TestCode: SW8260B_25_W

Sample ID:	MB-31177	SampType:	MBLK	Batch ID:	31177	TestCode:	SW8260B_25_W	Units:	µg/L	Prep Date:	07/16/2007	Run ID:	V2_070716B		
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								
1,1,1-Dichloroethane						ND	0.50								
cis-1,2-Dichloroethene						ND	0.50								
1,1,1,1-Tetrachloroethane						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						4.627	0.50	5.000	0	92.5	88	124	0		
Surr: Dibromofluoromethane						4.603	0.50	5.000	0	92.1	79	115	0		
Surr: 1,2-Dichloroethane-d4						5.259	0.50	5.000	0	105	80	114	0		
Surr: Toluene-d8						3.940	0.50	5.000	0	78.8	60	123	0		
Surr: Bromofluorobenzene															

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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
 R - Method Blank

CLIENT: Earth Tech
Work Order: F0959
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

Project: SW8260B_25_W

Sample ID:	MB-31210	SampType:	MBLK	Batch ID:	31210	Units:	µg/L	TestCode:	SW8260B_25_W	Prep Date:	07/19/2007	Analysis Date:	07/19/2007	Run ID:	V2_070719B	SeqNo:	666253	TestCode:	SW8260B_25_W
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						4.863	0.50	5.000	0	97.3	88	124	0						
Surr: 1,2-Dichloroethane-d4						4.644	0.50	5.000	0	92.9	79	115	0						
Surr: Toluene-d8						5.219	0.50	5.000	0	104	80	114	0						
Surr: Bromofluorobenzene						4.319	0.50	5.000	0	86.4	60	123	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: F0959
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

Sample ID: LCS-31177 **SampType:** LCS **Batch ID:** 31177 **TestCode:** SW8260B_25_W
Client ID: LCS-31177 **Units:** µg/L **Analysis Date:** 07/17/2007 **Prep Date:** 07/16/2007
Analyte

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.406	0.50	10.00	0	94.1	77	120	0	0		
Chloroethane	9.813	0.50	10.00	0	98.1	75	135	0	0		
1,1-Dichloroethene	9.417	0.50	10.00	0	94.2	81	125	0	0		
trans-1,2-Dichloroethene	10.19	0.50	10.00	0	102	60	137	0	0		
Methyl tert-butyl ether	8.899	0.50	10.00	0	89.0	61	134	0	0		
1,1-Dichloroethane	9.666	0.50	10.00	0	96.7	82	120	0	0		
cis-1,2-Dichloroethene	9.830	0.50	10.00	0	98.3	84	116	0	0		
1,1,1-Trichloroethane	9.930	0.50	10.00	0	99.3	80	124	0	0		
1,2-Dichloroethane	8.562	0.50	10.00	0	85.6	86	117	0	0		
Benzene	10.23	0.50	10.00	0	102	81	121	0	0		
Trichloroethene	10.26	0.50	10.00	0	103	74	123	0	0		
Toluene	10.23	0.50	10.00	0	102	88	117	0	0		
1,1,2-Trichloroethane	8.728	0.50	10.00	0	87.3	83	121	0	0		
Tetrachloroethene	9.862	0.50	10.00	0	98.6	74	115	0	0		
Chlorobenzene	9.893	0.50	10.00	0	98.9	83	112	0	0		
Ethylbenzene	10.14	0.50	10.00	0	101	87	110	0	0		
m,p-Xylene	21.28	0.50	20.00	0	106	87	114	0	0		
o-Xylene	10.39	0.50	10.00	0	104	84	114	0	0		
Surr: Dibromofluoromethane	4.798	0.50	5.0000	0	96.0	88	124	0	0		
Surr: 1,2-Dichloroethane-d4	4.476	0.50	5.0000	0	89.5	79	115	0	0		
Surr: Toluene-d8	5.239	0.50	5.0000	0	105	80	114	0	0		
Surr: Bromofluorobenzene	4.956	0.50	5.0000	0	99.1	60	123	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

100 110 120 130 140

TestCode: SW8260B_25_W

Run ID: V2_070716B

SeqNo: 666519

CLIENT: Earth Tech
Work Order: F0959
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

TestCode: SW8260B_25_W

Sample ID: LCS-31210	SampType: LCS	TestCode: SW8260B_25_W	Prep Date: 07/19/2007	Analysis Date: 07/19/2007	Run ID: V2_070719B	SeqNo: 666254				
Client ID: LCS-31210	Batch ID: 31210	Units: µg/L	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte		Result	PQL	SPK value						
Vinyl chloride	10.18	0.50	10.00	0	102	77	120	0		
Chloroethane	10.07	0.50	10.00	0	101	75	135	0		
1,1-Dichloroethene	9.923	0.50	10.00	0	99.2	81	125	0		
trans-1,2-Dichloroethene	9.979	0.50	10.00	0	99.8	60	137	0		
Methyl tert-butyl ether	10.17	0.50	10.00	0	102	61	134	0		
1,1-Dichloroethane	9.939	0.50	10.00	0	99.4	82	120	0		
cis-1,2-Dichloroethene	10.02	0.50	10.00	0	100	84	116	0		
1,1,1-Trichloroethane	10.62	0.50	10.00	0	106	80	124	0		
1,2-Dichloroethane	9.844	0.50	10.00	0	98.4	86	117	0		
Benzene	10.30	0.50	10.00	0	103	81	121	0		
Trichloroethene	10.41	0.50	10.00	0	104	74	123	0		
Toluene	10.65	0.50	10.00	0	107	88	117	0		
1,1,2-Trichloroethane	9.424	0.50	10.00	0	94.2	83	121	0		
Tetrachloroethene	10.70	0.50	10.00	0	107	74	115	0		
Chlorobenzene	10.35	0.50	10.00	0	103	83	112	0		
Ethylbenzene	10.84	0.50	10.00	0	108	87	110	0		
m,p-Xylene	22.53	0.50	20.00	0	113	87	114	0		
o-Xylene	10.89	0.50	10.00	0	109	84	114	0		
Surr: Dibromofluoromethane	4.915	0.50	5.000	0	98.3	88	124	0		
Surr: 1,2-Dichloroethane-d4	4.778	0.50	5.000	0	95.6	79	115	0		
Surr: Toluene-d8	5.081	0.50	5.000	0	102	80	114	0		
Surr: Bromofluorobenzene	5.155	0.50	5.000	0	103	60	123	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: F0959
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

TestCode: SW8260B_25_W

Analyte	Sample ID: LCSD-31177	Samp Type: LCSD	Batch ID: 31177	TestCode: SW8260B_25_W			Prep Date: 07/16/2007	Analysis Date: 07/17/2007	Run ID: V2_070716B	SeqNo: 666520	TestCode: SW8260B_25_W	
				Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD
Vinyl chloride	9.793	0.50	10.00	0	97.9	77	120	9.406	4.03	40		
Chloroethane	10.14	0.50	10.00	0	101	75	135	9.813	3.29	40		
1,1-Dichloroethene	9.797	0.50	10.00	0	98.0	81	125	9.417	3.95	40		
trans-1,2-Dichloroethene	10.33	0.50	10.00	0	103	60	137	10.19	1.36	40		
Methyl tert-butyl ether	9.042	0.50	10.00	0	90.4	61	134	8.899	1.6	40		
1,1-Dichloroethane	9.894	0.50	10.00	0	98.9	82	120	9.666	2.33	40		
cis-1,2-Dichloroethene	10.23	0.50	10.00	0	102	84	116	9.830	4.03	40		
1,1,1-Trichloroethane	10.20	0.50	10.00	0	102	80	124	9.930	2.69	40		
1,2-Dichloroethane	8.752	0.50	10.00	0	87.5	86	117	8.562	2.2	40		
Benzene	10.67	0.50	10.00	0	107	81	121	10.23	4.18	40		
Trichloroethene	10.75	0.50	10.00	0	108	74	123	10.26	4.73	40		
Toluene	10.61	0.50	10.00	0	106	88	117	10.23	3.61	40		
1,1,2-Trichloroethane	9.091	0.50	10.00	0	90.9	83	121	8.728	4.08	40		
Tetrachloroethene	13.84	0.50	10.00	0	138	74	115	9.862	33.5	40	S	
Chlorobenzene	9.957	0.50	10.00	0	99.6	83	112	9.893	0.642	40		
Ethylbenzene	10.78	0.50	10.00	0	108	87	110	10.14	6.09	40		
m,p-Xylene	21.42	0.50	20.00	0	107	87	114	21.28	0.644	40		
o-Xylene	10.52	0.50	10.00	0	105	84	114	10.39	1.3	40		
Surr: Dibromofluoromethane	4.935	0.50	5.000	0	98.7	88	124	0	0	40		
Surr: 1,2-Dichloroethane-d4	4.735	0.50	5.000	0	94.7	79	115	0	0	40		
Surr: Toluene-d8	5.206	0.50	5.000	0	104	80	114	0	0	40		
Surr: Bromofluorobenzene	4.983	0.50	5.000	0	99.7	60	123	0	0	40		

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: F0959
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

TestCode: SW8260B_25_W

Analyte	Sample ID: LCSD-31210	Samp Type: LCSD	Batch ID: 31210	TestCode: SW8260B_25_W				Analysis Date: 07/19/2007	Prep Date: 07/19/2007	Run ID: V2_070719B	SeqNo: 666255	TestCode: SW8260B_25_W
				Result	PQL	SPK value	SPK Ref Val					
Vinyl chloride	10.29	0.50	10.00	0	103	77	120	10.18	1.09	40		
Chloroethane	10.27	0.50	10.00	0	103	75	135	10.07	2.06	40		
1,1-Dichloroethene	10.31	0.50	10.00	0	103	81	125	9.923	3.79	40		
trans-1,2-Dichloroethene	9.804	0.50	10.00	0	98.0	60	137	9.979	1.78	40		
Methyl tert-butyl ether	9.954	0.50	10.00	0	99.5	61	134	10.17	2.14	40		
1,1-Dichloroethane	9.891	0.50	10.00	0	98.9	82	120	9.939	0.488	40		
cis-1,2-Dichloroethene	10.00	0.50	10.00	0	100	84	116	10.02	0.143	40		
1,1,1-Trichloroethane	10.39	0.50	10.00	0	104	80	124	10.62	2.18	40		
1,2-Dichloroethane	9.577	0.50	10.00	0	95.8	86	117	9.844	2.75	40		
Benzene	10.37	0.50	10.00	0	104	81	121	10.30	0.696	40		
Trichloroethylene	10.44	0.50	10.00	0	104	74	123	10.41	0.323	40		
Toluene	10.65	0.50	10.00	0	106	88	117	10.65	0.0383	40		
1,1,2-Trichloroethane	9.525	0.50	10.00	0	95.2	83	121	9.424	1.06	40		
Tetrachloroethylene	10.44	0.50	10.00	0	104	74	115	10.70	2.47	40		
Chlorobenzene	10.39	0.50	10.00	0	104	83	112	10.35	0.375	40		
Ethylbenzene	11.04	0.50	10.00	0	110	87	110	10.84	1.77	40		
m,p-Xylene	22.20	0.50	20.00	0	111	87	114	22.53	1.47	40		
o-Xylene	10.99	0.50	10.00	0	110	84	114	10.89	0.908	40		
Surr: Dibromofluoromethane	4.741	0.50	5.000	0	94.8	88	124	0	0	40		
Surr: 1,2-Dichloroethane-d4	4.948	0.50	5.000	0	99.0	79	115	0	0	40		
Surr: Toluene-d8	5.060	0.50	5.000	0	101	80	114	0	0	40		
Surr: Bromofluorobenzene	5.181	0.50	5.000	0	104	60	123	0	0	40		

10.58
10.52
10.53
10.52

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:** 25-Jul-07

Client: Earth Tech
Client Sample ID: EFF 7/07
Lab ID: F0959-01

Project: NOW Corp. Site
Collection Date: 07/12/07 11:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Oil & Grease, HEM Oil & Grease, Total Recoverable	ND		E1664	5.0	mg/L	1 07/27/2007 0:00	31289

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-Jul-07

Client: Earth Tech
Client Sample ID: INF 7/07
Lab ID: F0959-02

Project: NOW Corp. Site
Collection Date: 07/12/07 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 07/27/2007 0:00	31289

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-Jul-07

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech
Work Order: F0959
Project: NOW Corp. Site

TestCode: E1664

Sample ID:	MB-31289	SampType:	MBLK	TestCode:	E1664	Prep Date:	7/20/2007	Run ID:	MANUAL_070724A		
Client ID:	MB-31289	Batch ID:	31289	Units:	mg/L	Analysis Date:	7/27/2007	SeqNo:	668003		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Oil & Grease, Total Recoverable		ND	5.0								
Sample ID:	LCS-31289	SampType:	LCS	TestCode:	E1664	Prep Date:	7/20/2007	Run ID:	MANUAL_070724A		
Client ID:	LCS-31289	Batch ID:	31289	Units:	mg/L	Analysis Date:	7/27/2007	SeqNo:	668004		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Oil & Grease, Total Recoverable		34.30	5.0	40.00	0	85.8	62.9	117	0		
Sample ID:	LCSD-31289	SampType:	LCSD	TestCode:	E1664	Prep Date:	7/20/2007	Run ID:	MANUAL_070724A		
Client ID:	LCSD-31289	Batch ID:	31289	Units:	mg/L	Analysis Date:	7/27/2007	SeqNo:	668005		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Oil & Grease, Total Recoverable		34.50	5.0	40.00	0	86.3	62.9	117	34.30	0.581	25

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: 31-Jul-07

Client: Earth Tech

Client Sample ID: EFF 7/07

Lab ID: F0959-01

Project: NOW Corp. Site

Collection Date: 07/12/07 11:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Metals by ICP							
Aluminum	ND		200	µg/L		1 07/24/2007 12:06	31218
Arsenic	ND		20	µg/L		1 07/24/2007 12:06	31218
Barium	ND		200	µg/L		1 07/24/2007 12:06	31218
Chromium	ND		20	µg/L		1 07/24/2007 12:06	31218
Copper	ND		25	µg/L		1 07/24/2007 12:06	31218
Iron	270		200	µg/L		1 07/24/2007 12:06	31218
Manganese	ND		50	µg/L		1 07/24/2007 12:06	31218
Nickel	ND		50	µg/L		1 07/24/2007 12:06	31218
Zinc	ND		50	µg/L		1 07/24/2007 12:06	31218
Mercury by FIA							
Mercury	ND		0.20	µg/L		1 07/18/2007 6:51	31214
TOTAL DISSOLVED SOLIDS							
Total Dissolved Solids	260		10	mg/L		1 07/16/2007 17:00	31191
TOTAL SUSPENDED SOLIDS							
Total Suspended Solids	ND		10	mg/L		1 07/16/2007 17:00	31192
Total Cyanide							
Cyanide	ND		10	µg/L		1 07/27/2007 9:05	31365

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: 31-Jul-07

Client: Earth Tech
Client Sample ID: INF 7/07
Lab ID: F0959-02

Project: NOW Corp. Site
Collection Date: 07/12/07 11:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Metals by ICP							
Aluminum	ND		200	µg/L		1 07/24/2007 12:09	31218
Arsenic	ND		20	µg/L		1 07/24/2007 12:09	31218
Barium	ND		200	µg/L		1 07/24/2007 12:09	31218
Chromium	ND		20	µg/L		1 07/24/2007 12:09	31218
Copper	ND		25	µg/L		1 07/24/2007 12:09	31218
Iron	350		200	µg/L		1 07/24/2007 12:09	31218
Manganese	140		50	µg/L		1 07/24/2007 12:09	31218
Nickel	ND		50	µg/L		1 07/24/2007 12:09	31218
Zinc	ND		50	µg/L		1 07/24/2007 12:09	31218
Mercury by FIA							
Mercury	ND		0.20	µg/L		1 07/18/2007 6:52	31214
TOTAL DISSOLVED SOLIDS							
Total Dissolved Solids	300		10	mg/L		1 07/16/2007 17:00	31191
TOTAL SUSPENDED SOLIDS							
Total Suspended Solids	ND		10	mg/L		1 07/16/2007 17:00	31192
Total Cyanide							
Cyanide	ND		10	µg/L		1 07/27/2007 9:17	31365

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-Jul-07

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech
Work Order: F0959
Project: NOW Corp. Site

TestCode: SW6010B_W

Sample ID: MB-31218		SampType: MBLK	TestCode: SW6010B_W	Prep Date: 7/17/2007	Run ID: OPTIMA3_070724B		
Client ID: MB-31218		Batch ID: 31218	Units: µg/L	Analysis Date: 7/24/2007	SeqNo: 667967		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	%RPD
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				
Sample ID: LCS-31218		SampType: LCS	TestCode: SW6010B_W	Prep Date: 7/17/2007	Run ID: OPTIMA3_070724B		
Client ID: LCS-31218		Batch ID: 31218	Units: µg/L	Analysis Date: 7/24/2007	SeqNo: 667968		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	%RPD
Aluminum		10240	200	9100	0	113	80
Arsenic		540.8	20	455.0	0	119	80
Barium		10630	200	9100	0	117	80
Chromium		1055	20	910.0	0	116	80
Copper		1317	30	1130	0	117	80
Iron		5401	200	4550	0	119	80
Manganese		2664	50	2270	0	117	80
Nickel		2650	50	2270	0	117	80
Zinc		2619	50	2270	0	115	80

Spike Recovery outside accepted recovery limits

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: F0959
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

TestCode: SW7470A

Sample ID:	MB-31214	SampType:	MBLK	TestCode:	SW7470A	Prep Date:	7/17/2007	Run ID:	FIMMS1_070718B			
Client ID:	MB-31214	Batch ID:	31214	Units:	µg/L	Analysis Date:	7/18/2007	SeqNo:	664139			
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
		ND	0.20									
Sample ID:	LCS-31214	SampType:	LCS	TestCode:	SW7470A	Prep Date:	7/17/2007	Run ID:	FIMMS1_070718B			
Client ID:	LCS-31214	Batch ID:	31214	Units:	µg/L	Analysis Date:	7/18/2007	SeqNo:	664140			
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
		3.996	0.20	4.550	0	87.8	80	120	0	0		

080722

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: 31-Jul-07

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech
Work Order: F0959
Project: NOW Corp. Site

TestCode: SM2540_TDS

Sample ID:	MB-31191	SampType:	MBLK	TestCode:	SM2540_TDS	Prep Date:	7/16/2007	Run ID:	MANUAL_070716B		
Client ID:	MB-31191	Batch ID:	31191	Units:	mg/L	Analysis Date:	7/16/2007	SeqNo:	663569		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPD Limit	Qual
Total Dissolved Solids		ND	1.0								
Sample ID:	LCS-31191	SampType:	LCS	TestCode:	SM2540_TDS	Prep Date:	7/16/2007	Run ID:	MANUAL_070716B		
Client ID:	LCS-31191	Batch ID:	31191	Units:	mg/L	Analysis Date:	7/16/2007	SeqNo:	663570		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPD Limit	Qual
Total Dissolved Solids	1139	10	1080	0	105	80	120	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: F0959
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

TestCode: SM2540_TSS

Sample ID:	MB-31192	SampType:	MBLK	TestCode:	SM2540_TSS	Prep Date:	7/16/2007	Run ID:	MANUAL_070716C			
Client ID:	MB-31192	Batch ID:	31192	Units:	mg/L	Analysis Date:	7/16/2007	SeqNo:	663575			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids												
Sample ID:	LCS-31192	SampType:	LCS	TestCode:	SM2540_TSS	Prep Date:	7/16/2007	Run ID:	MANUAL_070716C			
Client ID:	LCS-31192	Batch ID:	31192	Units:	mg/L	Analysis Date:	7/16/2007	SeqNo:	663576			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids												
		70.00	10	69.90	0	100	80	120	0	0		

11.00
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00

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: F0959
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

TestCode: SW9012B_W

Sample ID: MB-31365	SampType: MBLK	TestCode: SW9012B_W	Prep Date: 7/25/2007	Run ID: LACHAT1_070727B
Client ID: MB-31365	Batch ID: 31365	Units: µg/L	Analysis Date: 7/27/2007	SeqNo: 670317
Analyte		Result PQL	SPK value	SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual
Cyanide	ND 20			

Sample ID: LCS-31365	SampType: LCS	TestCode: SW9012B_W	Prep Date: 7/25/2007	Run ID: LACHAT1_070727B
Client ID: LCS-31365	Batch ID: 31365	Units: µg/L	Analysis Date: 7/27/2007	SeqNo: 670318
Analyte		Result PQL	SPK value	SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual
Cyanide	86.40 20	100.0	0	86.4 80 120 0

Sample ID: F0959-01EMMS	SampType: MS	TestCode: SW9012B_W	Prep Date: 7/25/2007	Run ID: LACHAT1_070727B
Client ID: EFF 7/07	Batch ID: 31365	Units: µg/L	Analysis Date: 7/27/2007	SeqNo: 668786
Analyte		Result PQL	SPK value	SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual
Cyanide	106.8 10	100.0	0	107 75 125 0

Sample ID: F0959-01EDUP	SampType: DUP	TestCode: SW9012B_W	Prep Date: 7/25/2007	Run ID: LACHAT1_070727B
Client ID: EFF 7/07	Batch ID: 31365	Units: µg/L	Analysis Date: 7/27/2007	SeqNo: 668785
Analyte		Result PQL	SPK value	SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual
Cyanide	ND 0	0	0	0 0 0 0 0 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

13/Jul/07 11:15

WorkOrder: F0959

Client ID: EARTH_NY
Project: NOW Corp. Site
Location:
Comments: N/A

Case:
SDG:
PO: 94017.02

Report Level: LEVEL 2
EDD:
HC Due: 07/31/07
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F0959-01A	EFF 7/07	07/12/2007 11:45	07/13/2007	Aqueous	SW8260B_25_W	use for VOCs, if can't, use OLC i	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
F0959-01B	EFF 7/07	07/12/2007 11:45	07/13/2007	Aqueous	E1664		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	D4
F0959-01C	EFF 7/07	07/12/2007 11:45	07/13/2007	Aqueous	SW6010B_W	See SEL list	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M1
					SW7470A	See SEL list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M1
F0959-01D	EFF 7/07	07/12/2007 11:45	07/13/2007	Aqueous	SM2540_TDS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	D4
					SM2540_TSS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	D4
F0959-01E	EFF 7/07	07/12/2007 11:45	07/13/2007	Aqueous	SW9012B_W		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	D4
F0959-02A	INF 7/07	07/12/2007 11:50	07/13/2007	Aqueous	SW8260B_25_W	use for VOCs, if can't, use OLC i	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
F0959-02B	INF 7/07	07/12/2007 11:50	07/13/2007	Aqueous	E1664		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	D4
F0959-02C	INF 7/07	07/12/2007 11:50	07/13/2007	Aqueous	SW6010B_W	See SEL list	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M1
					SW7470A	See SEL list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M1

Mitkem Corporation

13/Jul/07 11:15

WorkOrder: F0959

Client ID: EARTH_NY
Project: NOW Corp. Site
Location:
Comments: N/A

Case:
SDG:
PO: 94017.02
Comments: N/A

Report Level: LEVEL 2
EDD:
HC Due: 07/31/07
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL Storage
F0959-02D	INF 7/07	07/12/2007 11:50	07/13/2007	Aqueous	SM2540_TDS	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> D4
					SM2540_TSS	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> D4
F0959-02E	INF 7/07	07/12/2007 11:50	07/13/2007	Aqueous	SW9012B_W	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> D4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> VOA
F0959-03A	TW-1	07/12/2007 11:55	07/13/2007	Aqueous	SW8260B_25_W	use for VOCs, if can't, use OLC i	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> VOA
F0959-04A	TW-2A	07/12/2007 12:00	07/13/2007	Aqueous	SW8260B_25_W	use for VOCs, if can't, use OLC i	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> VOA
F0959-05A	TW-3	07/12/2007 12:05	07/13/2007	Aqueous	SW8260B_25_W	use for VOCs, if can't, use OLC i	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> VOA
F0959-06A	TRIP BLANK	07/12/2007 00:00	07/13/2007	Aqueous	SW8260B_25_W	use for VOCs, if can't, use OLC i	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> VOA

MITKEM
CORPORATION

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Warwick, Rhode Island 02886-1755
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email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

REPORT TO		COMPANY		INVOICE TO		PHONE		LAB PROJECT #:		
COMPANY	NAME	PHONE	NAME	NAME	NAME	PHONE	FAX	FO959	TURNAROUND TIME:	
STEVE CHAINIERE	ADDRESS	518-951-2200	518-951-2300	518-951-2300	518-951-2300					
40 BRITISH AMERICAN BLVD.	CITY/ST/ZIP									
LATITAN, N.Y.										
12110										
CLIENT PROJECT NAME:	CLIENT PROJECT #:	94017.02		CLIENT P.O.#:		REQUESTED ANALYSES				
SAMPLE IDENTIFICATION		DATE/TIME SAMPLED	COMPOSITE	GRAIN	SOIL	WATER	OTHER	LAB ID	LAB CONTAINERS	COMMENTS
EFF	7/07	7-12-07 / 11:45	X	X				Q1	7	X X X X X X
INF	7/07	7-12-07 / 11:50						Q2	7	X X X X X X
Tur-1		7-12-07 / 11:55						Q3	2	X
Tur-2A		7-12-07 / 12:00						Q4	2	X
Tur-3		7-12-07 / 12:05						Q5	2	X
TRIP BLANK		/						Q6	2	X
		/								
		/								
		/								
		/								
		/								
TSF#	RELINQUISHED BY	DATE/TIME		ACCEPTED BY		DATE/TIME		ADDITIONAL REMARKS:		
	Roger Gray	7-12-07 / 2:30		(J.W.)		7-12-07 / 9:15		* METALS: AL, AS, BA, CR, CU, FE, MN, HG, ZN, N,		
		/				/		COOLER TEMP:		
		/				/		5°C		
		/				/		#	1-ED EX # 8614 - 3/26 - 0450	

WHITE: LABORATORY COPY

YELLOW: REPORT COPY

PINK: CLIENT'S COPY