

**Operation, Maintenance and Monitoring Report
August 2008**

**NOW Corporation
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**

Earth Tech AECOM

40 British American Blvd., Latham, NY 12110
www.earthtech.aecom.com

October 8, 2008

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

Re: NOW Corporation - Site #3-14-008
Monthly Summary Report – “August” 2008

Dear Mr. Hoffman:

This monthly summary report describes the operation, monitoring and maintenance (OM&M) of the remedial system at the NOW Corporation site in the Town of Clinton, New York, for a 28-day period (**July 22 – August 19, 2008**).

With the exceptions noted below (if any), the P&T system was online and operational throughout the reporting period. Approximately 530,000 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 18,900 gallons per day (gpd). During the prior reporting period, the average discharge was 7,600 gpd, an unusually low amount. As you know, the system has been down for about a month due to the failure of the programmable logic controller (PLC). A replacement PLC was ordered today, with your approval.

As of the last day of the reporting period, a total of 65,634,000 gallons of groundwater had been recovered and treated by the system since it became operational in February 1998.

Table 1 summarizes influent and effluent analytical data for water samples collected on August 19, 2008. **There were no exceedences of effluent limitations.** A copy of the laboratory data report is attached to this letter report. Table 2 summarizes selected operational data recorded on the same date.

Earth Tech made one site visit during the period to conduct the required system inspection, perform scheduled and/or unscheduled maintenance, and to collect water samples. The July 22 service visit was described in the previous report. Details for the current period follow:

August 19 - Monthly system inspection and sampling. Reset discharge rates on submersible pumps. Disassembled and cleaned air stripper. Reassembled unit and brought system online.

Page 2
Mr. Carl Hoffman
NYSDEC

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: August 19, 2008
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 6.5 to 8.5 | gp/d standard units |
| Quantity treated, per day | | 18,918 | | | | | |
| pH | 6.5 | 7.0 | NA | NA | NA | 6.5 to 8.5 | gp/d |
| 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 | 270 | NA | NA | NA | 1000 | mg/L |
| TSS | <10 | <10 | NA | NA | NA | 50 | mg/L |
| Aluminum, Total | <200 | <200 | NA | NA | NA | 2000 | ug/L |
| Arsenic, Total | <20 | <20 | NA | NA | NA | 50 | ug/L |
| Barium, Total | <200 | <200 | NA | NA | NA | 2000 | ug/L |
| Chromium | <20 | <20 | NA | NA | NA | 100 | ug/L |
| Copper | <25 | <25 | NA | NA | NA | 24 | ug/L |
| Iron | <200 | <200 | NA | NA | NA | 600 | ug/L |
| Mercury | <0.20 | <0.20 | NA | NA | NA | 0.8 | ug/L |
| Manganese | 210 | 81 | 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 | 850 | <0.50 | 3.2 | 1100 | 51 | 5 | ug/L |
| 1,1,2-Trichloroethane | <13 | <0.50 | <2.0 | <25 | <2.0 | 1.2 | ug/L |
| 1,1-Dichloroethane | 230 | <0.50 | 88 | 290 | 47 | 5 | ug/L |
| 1,1-Dichloroethene | 17 | <0.50 | 14 | 24 J | 3.1 | 0.5 | ug/L |
| 1,2-Dichloroethane | <13 | <0.50 | <2.0 | <25 | <2.0 | 1.6 | ug/L |
| Benzene | <13 | <0.50 | <2.0 | <25 | <2.0 | 0.8 | ug/L |
| Chlorobenzene | <13 | <0.50 | <2.0 | <25 | <2.0 | 5 | ug/L |
| Chloroethane | <13 | <0.50 | <2.0 | <25 | <2.0 | 5 | ug/L |
| cis-1,2-Dichloroethene | 14 | <0.50 | 3.4 | 19 J | <2.0 | 5 | ug/L |
| Ethylbenzene | <13 | <0.50 | <2.0 | <25 | <2.0 | 5 | ug/L |
| Methyl tert-butyl ether | <13 | <0.50 | <2.0 | <25 | <2.0 | 5 | ug/L |
| o-Xylene | <13 | <0.50 | <2.0 | <25 | <2.0 | 5 | ug/L |
| p&m-Xylene | <13 | <0.50 | <2.0 | <25 | <2.0 | 10 | ug/L |
| Tetrachloroethene | <13 | <0.50 | <2.0 | <25 | <2.0 | 1.4 | ug/L |
| Toluene | <13 | <0.50 | <2.0 | <25 | <2.0 | 5 | ug/L |
| trans-1,2-Dichloroethene | <13 | <0.50 | <2.0 | <25 | <2.0 | 5 | ug/L |
| Trichloroethene | 590 | <0.50 | 75 | 760 | 19 | 5 | ug/L |
| Vinyl Chloride | <13 | <0.50 | <2.0 | <25 | <2.0 | 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 August 2008 O&M Data

NOW Corporation Site
Town of Clinton, New York

| Instrumentation/Readings: | 8/19/08 | Units |
|--|----------------|-------------------------|
| <i>TW-1</i> | | |
| Pumping Rate | 1 | GPM |
| Water Level Above Transducer | 15.32 | feet |
| Flow Meter Reading | 4,527,100 | gallons |
| Pump Pressure | 70 | psi |
| <i>TW-2A</i> | | |
| Pumping Rate | 8 | GPM |
| Water Level Above Transducer | 37.07 | feet |
| Flow Meter Reading | 7,337,300 | gallons |
| Pump Pressure | 26 | psi |
| <i>TW-3</i> | | |
| Pumping Rate | 3 | GPM |
| Water Level Above Transducer | 12.52 | feet |
| Flow Meter Reading | 5,808,600 | gallons |
| Pump Pressure | 60 | psi |
| <i>Air Stripper</i> | | |
| Stripper Blower Pressure | 24 | inches H ₂ O |
| Air Temperature in Stripper | 52 | °F |
| Pressure Gauge - Left Leg | 0.4 | inches H ₂ O |
| Pressure Gauge - Right Leg | 0 | inches H ₂ O |
| <i>Effluent Flow</i> | | |
| Effluent Flow this period (calculated) | 529,700 | gallons |
| Total Effluent Flow (calculated) | 65,634,200 | gallons |

**INFLUENT & EFFLUENT WATER
ANALYTICAL REPORT**



A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

September 5, 2008

Earth Tech
40 British American Boulevard
Latham, NY 12110
Attn: Mr. Stephen Choiniere

RE: Client Project: NOW Corp. Site, 94017.02, 8/08
Lab Project #: G1358

Dear Mr. Choiniere:

Enclosed please find the data report for the analyses of samples associated with the above referenced project.

If you have any questions, please do not hesitate to call me.

We appreciate your business.

Sincerely,

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

Edward A. Lawler
Laboratory Operations Manager

Report of Laboratory Analyses for Earth Tech

Client Project: NOW Corp. 94017.02, 08/08

Mitkem Work Order ID: G1358

September 5, 2008

Prepared For: Earth Tech
40 British American Boulevard
Latham, NY 12110
Attn: Mr. Stephen Choiniere

Prepared By: Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

Client: Earth Tech

Client Project: NOW Corp, 94017.02, 08/08

Lab Work Order: G1358

Date samples received: 08/20/08

Project Narrative

This data report includes the analysis results for six (6) aqueous samples that were received from Earth Tech on August 20, 2008. 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.

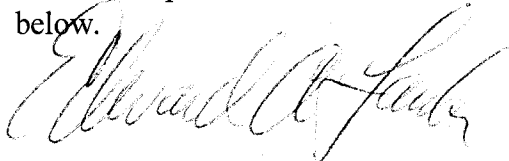
Surrogate recoveries were within the QC limits for volatile organic analyses with the exception of elevated recovery for 1,2-dichloroethane-d4 in samples TW-1 and TW-3. Percent recoveries in laboratory control sample were within the QC limits with the exception of elevated recovery for vinyl chloride and 1,1,2-trichloroethane in LCS-38291. Please note that these compounds were not detected in any sample. The following samples were initially analyzed at dilution: INF 081908 at 25X, TW-1 at 4X, and TW-2A at 50X, and TW-3 at 4X.

Spike recoveries were within the QC limits in the laboratory control samples for metals, total dissolved solids, total suspended solids, cyanide and oil & grease 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.



Edward A. Lawler
Laboratory Operations Manager

Mitkem Laboratories

Date: 02-Sep-08

Client: Earth Tech
 Client Sample ID: EFF 081908
 Lab ID: G1358-01

Project: NOW Corp. Site
 Collection Date: 08/19/08 10:30

| Analyses | Result | Qual | RL | Units | DF | Date Analyzed | Batch ID |
|---|--------|------|--------|-------|----|--------------------|--------------------|
| SW846 8260 -- VOC by GC-MS (25 mL Purge) | | | | | | | SW8260_25_W |
| Vinyl chloride | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| Chloroethane | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| 1,1-Dichloroethene | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| trans-1,2-Dichloroethene | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| Methyl tert-butyl ether | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| 1,1-Dichloroethane | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| cis-1,2-Dichloroethene | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| 1,1,1-Trichloroethane | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| 1,2-Dichloroethane | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| Benzene | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| Trichloroethene | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| Toluene | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| 1,1,2-Trichloroethane | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| Tetrachloroethene | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| Chlorobenzene | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| Ethylbenzene | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| m,p-Xylene | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| o-Xylene | ND | | 0.50 | µg/L | | 1 08/22/2008 13:51 | 38291 |
| Surrogate: Dibromofluoromethane | 94.8 | | 88-124 | %REC | | 1 08/22/2008 13:51 | 38291 |
| Surrogate: 1,2-Dichloroethane-d4 | 91.7 | | 79-115 | %REC | | 1 08/22/2008 13:51 | 38291 |
| Surrogate: Toluene-d8 | 103 | | 80-114 | %REC | | 1 08/22/2008 13:51 | 38291 |
| Surrogate: Bromofluorobenzene | 88.7 | | 60-123 | %REC | | 1 08/22/2008 13:51 | 38291 |

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 Laboratories

Date: 02-Sep-08

Client: Earth Tech
 Client Sample ID: INF 081908
 Lab ID: G1358-02

Project: NOW Corp. Site
 Collection Date: 08/19/08 10:40

| Analyses | Result | Qual | RL | Units | DF | Date Analyzed | Batch ID |
|---|--------|------|--------|-------|----|---------------------|--------------------|
| SW846 8260 -- VOC by GC-MS (25 mL Purge) | | | | | | | SW8260_25_W |
| Vinyl chloride | ND | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| Chloroethane | ND | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| 1,1-Dichloroethene | 17 | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| trans-1,2-Dichloroethene | ND | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| Methyl tert-butyl ether | ND | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| 1,1-Dichloroethane | 230 | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| cis-1,2-Dichloroethene | 14 | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| 1,1,1-Trichloroethane | 850 | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| 1,2-Dichloroethane | ND | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| Benzene | ND | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| Trichloroethene | 590 | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| Toluene | ND | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| 1,1,2-Trichloroethane | ND | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| Tetrachloroethene | ND | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| Chlorobenzene | ND | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| Ethylbenzene | ND | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| m,p-Xylene | ND | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| o-Xylene | ND | | 13 | µg/L | | 25 08/22/2008 18:17 | 38291 |
| Surrogate: Dibromofluoromethane | 122 | | 88-124 | %REC | | 25 08/22/2008 18:17 | 38291 |
| Surrogate: 1,2-Dichloroethane-d4 | 113 | | 79-115 | %REC | | 25 08/22/2008 18:17 | 38291 |
| Surrogate: Toluene-d8 | 89.2 | | 80-114 | %REC | | 25 08/22/2008 18:17 | 38291 |
| Surrogate: Bromofluorobenzene | 88.8 | | 60-123 | %REC | | 25 08/22/2008 18:17 | 38291 |

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 Laboratories

Date: 02-Sep-08

Client: Earth Tech

Client Sample ID: TW-1

Lab ID: G1358-03

Project: NOW Corp. Site

Collection Date: 08/19/08 10:55

| Analyses | Result | Qual | RL | Units | DF | Date Analyzed | Batch ID |
|---|--------|------|--------|-------|----|--------------------|--------------------|
| SW846 8260 -- VOC by GC-MS (25 mL Purge) | | | | | | | SW8260_25_W |
| Vinyl chloride | ND | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| Chloroethane | ND | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| 1,1-Dichloroethene | 14 | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| trans-1,2-Dichloroethene | ND | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| Methyl tert-butyl ether | ND | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| 1,1-Dichloroethane | 88 | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| cis-1,2-Dichloroethane | 3.4 | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| 1,1,1-Trichloroethane | 3.2 | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| 1,2-Dichloroethane | ND | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| Benzene | ND | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| Trichloroethene | 75 | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| Toluene | ND | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| 1,1,2-Trichloroethane | ND | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| Tetrachloroethene | ND | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| Chlorobenzene | ND | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| Ethylbenzene | ND | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| m,p-Xylene | ND | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| o-Xylene | ND | | 2.0 | µg/L | | 4 08/22/2008 16:48 | 38291 |
| Surrogate: Dibromofluoromethane | 119 | | 88-124 | %REC | | 4 08/22/2008 16:48 | 38291 |
| Surrogate: 1,2-Dichloroethane-d4 | 120 | S | 79-115 | %REC | | 4 08/22/2008 16:48 | 38291 |
| Surrogate: Toluene-d8 | 89.5 | | 80-114 | %REC | | 4 08/22/2008 16:48 | 38291 |
| Surrogate: Bromofluorobenzene | 89.5 | | 60-123 | %REC | | 4 08/22/2008 16:48 | 38291 |

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

Client: Earth Tech
 Client Sample ID: TW-2A
 Lab ID: G1358-04

Project: NOW Corp. Site
 Collection Date: 08/19/08 11:00

| Analyses | Result | Qual | RL | Units | DF | Date Analyzed | Batch ID |
|---|--------|------|--------|-------|----|---------------------|--------------------|
| SW846 8260 -- VOC by GC-MS (25 mL Purge) | | | | | | | SW8260_25_W |
| Vinyl chloride | ND | | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| Chloroethane | ND | | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| 1,1-Dichloroethene | 24 | J | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| trans-1,2-Dichloroethene | ND | | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| Methyl tert-butyl ether | ND | | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| 1,1-Dichloroethane | 290 | | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| cis-1,2-Dichloroethene | 19 | J | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| 1,1,1-Trichloroethane | 1100 | | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| 1,2-Dichloroethane | ND | | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| Benzene | ND | | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| Trichloroethene | 760 | | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| Toluene | ND | | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| 1,1,2-Trichloroethane | ND | | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| Tetrachloroethene | ND | | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| Chlorobenzene | ND | | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| Ethylbenzene | ND | | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| m,p-Xylene | ND | | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| o-Xylene | ND | | 25 | µg/L | | 50 08/22/2008 17:47 | 38291 |
| Surrogate: Dibromofluoromethane | 117 | | 88-124 | %REC | | 50 08/22/2008 17:47 | 38291 |
| Surrogate: 1,2-Dichloroethane-d4 | 110 | | 79-115 | %REC | | 50 08/22/2008 17:47 | 38291 |
| Surrogate: Toluene-d8 | 91.3 | | 80-114 | %REC | | 50 08/22/2008 17:47 | 38291 |
| Surrogate: Bromofluorobenzene | 87.5 | | 60-123 | %REC | | 50 08/22/2008 17:47 | 38291 |

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 Laboratories

Date: 02-Sep-08

Client: Earth Tech
 Client Sample ID: TW-3
 Lab ID: G1358-05

Project: NOW Corp. Site
 Collection Date: 08/19/08 11:05

| Analyses | Result | Qual | RL | Units | DF | Date Analyzed | Batch ID |
|---|--------|------|--------|-------|----|--------------------|--------------------|
| SW846 8260 -- VOC by GC-MS (25 mL Purge) | | | | | | | SW8260_25_W |
| Vinyl chloride | ND | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| Chloroethane | ND | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| 1,1-Dichloroethene | 3.1 | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| trans-1,2-Dichloroethene | ND | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| Methyl tert-butyl ether | ND | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| 1,1-Dichloroethane | 47 | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| cis-1,2-Dichloroethene | ND | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| 1,1,1-Trichloroethane | 51 | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| 1,2-Dichloroethane | ND | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| Benzene | ND | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| Trichloroethene | 19 | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| Toluene | ND | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| 1,1,2-Trichloroethane | ND | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| Tetrachloroethene | ND | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| Chlorobenzene | ND | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| Ethylbenzene | ND | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| m,p-Xylene | ND | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| o-Xylene | ND | | 2.0 | µg/L | | 4 08/22/2008 17:18 | 38291 |
| Surrogate: Dibromofluoromethane | 123 | | 88-124 | %REC | | 4 08/22/2008 17:18 | 38291 |
| Surrogate: 1,2-Dichloroethane-d4 | 123 | S | 79-115 | %REC | | 4 08/22/2008 17:18 | 38291 |
| Surrogate: Toluene-d8 | 87.4 | | 80-114 | %REC | | 4 08/22/2008 17:18 | 38291 |
| Surrogate: Bromofluorobenzene | 88.5 | | 60-123 | %REC | | 4 08/22/2008 17:18 | 38291 |

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 Laboratories

Date: 02-Sep-08

Client: Earth Tech

Client Sample ID: TRIP BLANK

Lab ID: G1358-06

Project: NOW Corp. Site

Collection Date: 08/19/08 0:00

| Analyses | Result | Qual | RL | Units | DF | Date Analyzed | Batch ID |
|---|--------|------|--------|-------|----|--------------------|--------------------|
| SW846 8260 -- VOC by GC-MS (25 mL Purge) | | | | | | | SW8260_25_W |
| Vinyl chloride | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| Chloroethane | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| 1,1-Dichloroethene | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| trans-1,2-Dichloroethene | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| Methyl tert-butyl ether | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| 1,1-Dichloroethane | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| cis-1,2-Dichloroethene | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| 1,1,1-Trichloroethane | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| 1,2-Dichloroethane | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| Benzene | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| Trichloroethene | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| Toluene | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| 1,1,2-Trichloroethane | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| Tetrachloroethene | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| Chlorobenzene | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| Ethylbenzene | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| m,p-Xylene | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| o-Xylene | ND | | 0.50 | µg/L | | 1 08/21/2008 19:19 | 38267 |
| Surrogate: Dibromofluoromethane | 93.6 | | 88-124 | %REC | | 1 08/21/2008 19:19 | 38267 |
| Surrogate: 1,2-Dichloroethane-d4 | 98.1 | | 79-115 | %REC | | 1 08/21/2008 19:19 | 38267 |
| Surrogate: Toluene-d8 | 104 | | 80-114 | %REC | | 1 08/21/2008 19:19 | 38267 |
| Surrogate: Bromofluorobenzene | 90.3 | | 60-123 | %REC | | 1 08/21/2008 19:19 | 38267 |

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: G1358
 Project: NOW Corp. Site

SW8260_25_W
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID: MB-38267 Prep Date: 8/21/2008 Run ID: V6_080821A
 Client ID: MB-38267 Analysis Date: 8/21/2008 SeqNo: 867998

TestCode: SW8260_25_W
 Units: µg/L

SampType: MBLK
 Batch ID: 38267

| 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 | | | | | | | | | |
| Surrogate: Dibromofluoromethane | 9.352 | 0.50 | 10.00 | 0 | 93.5 | 88 | 124 | 0 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 8.793 | 0.50 | 10.00 | 0 | 87.9 | 79 | 115 | 0 | | | |
| Surrogate: Toluene-d8 | 10.68 | 0.50 | 10.00 | 0 | 107 | 80 | 114 | 0 | | | |
| Surrogate: Bromofluorobenzene | 9.513 | 0.50 | 10.00 | 0 | 95.1 | 60 | 123 | 0 | | | |



Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech
Work Order: G1358
Project: NOW Corp. Site

SW8260_25_W
SW846 8260 -- VOC by GC-MS (25 mL Purge)

| | | | |
|----------------------------|------------------------|---------------------------------|---------------------------|
| Sample ID: MB-38291 | SampType: MBLK | TestCode: SW8260_25_W | Run ID: V6_080822A |
| Client ID: MB-38291 | Batch ID: 38291 | Units: µg/L | SeqNo: 868063 |
| | | Prep Date: 8/22/2008 | |
| | | Analysis Date: 8/22/2008 | |

| 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 | | | | | | | | | |
| Surrogate: Dibromofluoromethane | 9.787 | | 10.00 | 0 | 97.9 | 88 | 124 | | | 0 | |
| Surrogate: 1,2-Dichloroethane-d4 | 9.016 | | 10.00 | 0 | 90.2 | 79 | 115 | | | 0 | |
| Surrogate: Toluene-d8 | 10.57 | | 10.00 | 0 | 106 | 80 | 114 | | | 0 | |
| Surrogate: Bromofluorobenzene | 8.961 | | 10.00 | 0 | 89.6 | 60 | 123 | | | 0 | |

2008

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech
Work Order: G1358
Project: NOW Corp. Site

SW8260_25_W
SW846 8260 -- VOC by GC-MS (25 mL Purge)

Run ID: V6_080821A
SeqNo: 867999

Prep Date: 8/21/2008
Analysis Date: 8/21/2008

TestCode: SW8260_25_W
Units: µg/L

SampType: LCS
Batch ID: 38267

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|----------------------------------|--------|------|-----------|-------------|------|----------|-----------|-------------|------|----------|------|
| Vinyl chloride | 10.06 | 0.50 | 10.00 | 0 | 101 | 77 | 120 | 0 | | | |
| Chloroethane | 10.21 | 0.50 | 10.00 | 0 | 102 | 75 | 135 | 0 | | | |
| 1,1-Dichloroethene | 9.716 | 0.50 | 10.00 | 0 | 97.2 | 81 | 125 | 0 | | | |
| trans-1,2-Dichloroethene | 9.662 | 0.50 | 10.00 | 0 | 96.6 | 60 | 137 | 0 | | | |
| Methyl tert-butyl ether | 8.881 | 0.50 | 10.00 | 0 | 88.8 | 61 | 134 | 0 | | | |
| 1,1-Dichloroethane | 9.564 | 0.50 | 10.00 | 0 | 95.6 | 82 | 120 | 0 | | | |
| cis-1,2-Dichloroethene | 9.114 | 0.50 | 10.00 | 0 | 91.1 | 84 | 116 | 0 | | | |
| 1,1,1-Trichloroethane | 9.288 | 0.50 | 10.00 | 0 | 92.9 | 80 | 124 | 0 | | | |
| 1,2-Dichloroethane | 9.090 | 0.50 | 10.00 | 0 | 90.9 | 86 | 117 | 0 | | | |
| Benzene | 9.326 | 0.50 | 10.00 | 0 | 93.3 | 81 | 121 | 0 | | | |
| Trichloroethene | 9.125 | 0.50 | 10.00 | 0 | 91.3 | 74 | 123 | 0 | | | |
| Toluene | 9.241 | 0.50 | 10.00 | 0 | 92.4 | 88 | 117 | 0 | | | |
| 1,1,2-Trichloroethane | 10.36 | 0.50 | 10.00 | 0 | 104 | 83 | 121 | 0 | | | |
| Tetrachloroethene | 9.202 | 0.50 | 10.00 | 0 | 92.0 | 74 | 115 | 0 | | | |
| Chlorobenzene | 9.451 | 0.50 | 10.00 | 0 | 94.5 | 83 | 112 | 0 | | | |
| Ethylbenzene | 9.934 | 0.50 | 10.00 | 0 | 99.3 | 87 | 110 | 0 | | | |
| m,p-Xylene | 20.17 | 0.50 | 20.00 | 0 | 101 | 87 | 114 | 0 | | | |
| o-Xylene | 9.671 | 0.50 | 10.00 | 0 | 96.7 | 84 | 114 | 0 | | | |
| Surrogate: Dibromofluoromethane | 9.198 | 0.50 | 10.00 | 0 | 92.0 | 88 | 124 | 0 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 8.647 | 0.50 | 10.00 | 0 | 86.5 | 79 | 115 | 0 | | | |
| Surrogate: Toluene-d8 | 10.29 | 0.50 | 10.00 | 0 | 103 | 80 | 114 | 0 | | | |
| Surrogate: Bromofluorobenzene | 10.04 | 0.50 | 10.00 | 0 | 100 | 60 | 123 | 0 | | | |



Qualifiers: ND - Not Detected at the Reporting Limit
 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: G1358
 Project: NOW Corp. Site

SW8260_25_W
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID: LCSD-38267 SampType: LCSD TestCode: SW8260_25_W Prep Date: 8/21/2008 Run ID: V6_080821A
 Client ID: LCSD-38267 Batch ID: 38267 Units: µg/L Analysis Date: 8/21/2008 SeqNo: 868000

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|----------------------------------|--------|------|-----------|-------------|------|----------|-----------|-------------|-------|----------|------|
| Vinyl chloride | 11.45 | 0.50 | 10.00 | 0 | 114 | 77 | 120 | 10.06 | 12.9 | 40 | 40 |
| Chloroethane | 10.83 | 0.50 | 10.00 | 0 | 108 | 75 | 135 | 10.21 | 5.88 | 40 | 40 |
| 1,1-Dichloroethene | 10.47 | 0.50 | 10.00 | 0 | 105 | 81 | 125 | 9.716 | 7.49 | 40 | 40 |
| trans-1,2-Dichloroethene | 10.43 | 0.50 | 10.00 | 0 | 104 | 60 | 137 | 9.662 | 7.67 | 40 | 40 |
| Methyl tert-butyl ether | 10.71 | 0.50 | 10.00 | 0 | 107 | 61 | 134 | 8.881 | 18.7 | 40 | 40 |
| 1,1-Dichloroethane | 10.64 | 0.50 | 10.00 | 0 | 106 | 82 | 120 | 9.564 | 10.6 | 40 | 40 |
| cis-1,2-Dichloroethene | 10.41 | 0.50 | 10.00 | 0 | 104 | 84 | 116 | 9.114 | 13.3 | 40 | 40 |
| 1,1,1-Trichloroethane | 10.65 | 0.50 | 10.00 | 0 | 106 | 80 | 124 | 9.288 | 13.6 | 40 | 40 |
| 1,2-Dichloroethane | 10.72 | 0.50 | 10.00 | 0 | 107 | 86 | 117 | 9.090 | 16.5 | 40 | 40 |
| Benzene | 10.36 | 0.50 | 10.00 | 0 | 104 | 81 | 121 | 9.326 | 10.5 | 40 | 40 |
| Trichloroethene | 10.15 | 0.50 | 10.00 | 0 | 101 | 74 | 123 | 9.125 | 10.6 | 40 | 40 |
| Toluene | 10.12 | 0.50 | 10.00 | 0 | 101 | 88 | 117 | 9.241 | 9.07 | 40 | 40 |
| 1,1,2-Trichloroethane | 11.49 | 0.50 | 10.00 | 0 | 115 | 83 | 121 | 10.36 | 10.4 | 40 | 40 |
| Tetrachloroethene | 8.709 | 0.50 | 10.00 | 0 | 87.1 | 74 | 115 | 9.202 | 5.51 | 40 | 40 |
| Chlorobenzene | 9.429 | 0.50 | 10.00 | 0 | 94.3 | 83 | 112 | 9.451 | 0.238 | 40 | 40 |
| Ethylbenzene | 9.889 | 0.50 | 10.00 | 0 | 98.9 | 87 | 110 | 9.934 | 0.457 | 40 | 40 |
| m,p-Xylene | 19.56 | 0.50 | 20.00 | 0 | 97.8 | 87 | 114 | 20.17 | 3.11 | 40 | 40 |
| o-Xylene | 9.486 | 0.50 | 10.00 | 0 | 94.9 | 84 | 114 | 9.671 | 1.93 | 40 | 40 |
| Surrogate: Dibromofluoromethane | 10.80 | 0.50 | 10.00 | 0 | 108 | 88 | 124 | 0 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 10.36 | 0.50 | 10.00 | 0 | 104 | 79 | 115 | 0 | | | |
| Surrogate: Toluene-d8 | 9.594 | 0.50 | 10.00 | 0 | 95.9 | 80 | 114 | 0 | | | |
| Surrogate: Bromofluorobenzene | 10.54 | 0.50 | 10.00 | 0 | 105 | 60 | 123 | 0 | | | |



Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech
 Work Order: G1358
 Project: NOW Corp. Site

SW8260_25_W
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Run ID: V6_080822A

Prep Date: 8/22/2008

TestCode: SW8260_25_W

SampType: LCS

Sample ID: LCS-38291

SeqNo: 868064

Analysis Date: 8/22/2008

Units: µg/L

Batch ID: 38291

Client ID: LCS-38291

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|----------------------------------|--------|------|-----------|-------------|------|----------|-----------|-------------|------|----------|------|
| Vinyl chloride | 12.79 | 0.50 | 10.00 | 0 | 128 | 77 | 120 | 0 | | | S |
| Chloroethane | 9.358 | 0.50 | 10.00 | 0 | 93.6 | 75 | 135 | 0 | | | |
| 1,1-Dichloroethene | 8.949 | 0.50 | 10.00 | 0 | 89.5 | 81 | 125 | 0 | | | |
| trans-1,2-Dichloroethene | 10.92 | 0.50 | 10.00 | 0 | 109 | 60 | 137 | 0 | | | |
| Methyl tert-butyl ether | 9.457 | 0.50 | 10.00 | 0 | 94.6 | 61 | 134 | 0 | | | |
| 1,1-Dichloroethane | 10.28 | 0.50 | 10.00 | 0 | 103 | 82 | 120 | 0 | | | |
| cis-1,2-Dichloroethene | 10.95 | 0.50 | 10.00 | 0 | 109 | 84 | 116 | 0 | | | |
| 1,1,1-Trichloroethane | 10.09 | 0.50 | 10.00 | 0 | 101 | 80 | 124 | 0 | | | |
| 1,2-Dichloroethane | 10.27 | 0.50 | 10.00 | 0 | 103 | 86 | 117 | 0 | | | |
| Benzene | 10.88 | 0.50 | 10.00 | 0 | 109 | 81 | 121 | 0 | | | |
| Trichloroethene | 10.55 | 0.50 | 10.00 | 0 | 105 | 74 | 123 | 0 | | | |
| Toluene | 10.55 | 0.50 | 10.00 | 0 | 106 | 88 | 117 | 0 | | | |
| 1,1,2-Trichloroethane | 12.36 | 0.50 | 10.00 | 0 | 124 | 83 | 121 | 0 | | | S |
| Tetrachloroethene | 9.076 | 0.50 | 10.00 | 0 | 90.8 | 74 | 115 | 0 | | | |
| Chlorobenzene | 9.332 | 0.50 | 10.00 | 0 | 93.3 | 83 | 112 | 0 | | | |
| Ethylbenzene | 9.619 | 0.50 | 10.00 | 0 | 96.2 | 87 | 110 | 0 | | | |
| m,p-Xylene | 19.36 | 0.50 | 20.00 | 0 | 96.8 | 87 | 114 | 0 | | | |
| o-Xylene | 9.358 | 0.50 | 10.00 | 0 | 93.6 | 84 | 114 | 0 | | | |
| Surrogate: Dibromofluoromethane | 10.89 | 0.50 | 10.00 | 0 | 109 | 88 | 124 | 0 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 10.28 | 0.50 | 10.00 | 0 | 103 | 79 | 115 | 0 | | | |
| Surrogate: Toluene-d8 | 9.220 | 0.50 | 10.00 | 0 | 92.2 | 80 | 114 | 0 | | | |
| Surrogate: Bromofluorobenzene | 10.11 | 0.50 | 10.00 | 0 | 101 | 60 | 123 | 0 | | | |

8210

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

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W
SW846 8260 -- VOC by GC-MS (25 mL Purge)

CLIENT: Earth Tech
Work Order: G1358
Project: NOW Corp. Site

Run ID: V6_080822ZA
SeqNo: 868065

Prep Date: 8/22/2008
Analysis Date: 8/22/2008

TestCode: SW8260_25_W
Units: µg/L

SampType: LCSD
Batch ID: 38291

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|----------------------------------|--------|------|-----------|-------------|------|----------|-----------|-------------|-------|----------|------|
| Vinyl chloride | 11.90 | 0.50 | 10.00 | 0 | 119 | 77 | 120 | 12.79 | 7.18 | 40 | |
| Chloroethane | 10.30 | 0.50 | 10.00 | 0 | 103 | 75 | 135 | 9.358 | 9.57 | 40 | |
| 1,1-Dichloroethene | 9.033 | 0.50 | 10.00 | 0 | 90.3 | 81 | 125 | 8.949 | 0.938 | 40 | |
| trans-1,2-Dichloroethene | 9.936 | 0.50 | 10.00 | 0 | 99.4 | 60 | 137 | 10.92 | 9.43 | 40 | |
| Methyl tert-butyl ether | 9.102 | 0.50 | 10.00 | 0 | 91.0 | 61 | 134 | 9.457 | 3.82 | 40 | |
| 1,1-Dichloroethane | 9.451 | 0.50 | 10.00 | 0 | 94.5 | 82 | 120 | 10.28 | 8.43 | 40 | |
| cis-1,2-Dichloroethene | 9.703 | 0.50 | 10.00 | 0 | 97.0 | 84 | 116 | 10.95 | 12.1 | 40 | |
| 1,1,1-Trichloroethane | 9.548 | 0.50 | 10.00 | 0 | 95.5 | 80 | 124 | 10.09 | 5.54 | 40 | |
| 1,2-Dichloroethane | 9.422 | 0.50 | 10.00 | 0 | 94.2 | 86 | 117 | 10.27 | 8.59 | 40 | |
| Benzene | 9.669 | 0.50 | 10.00 | 0 | 96.7 | 81 | 121 | 10.88 | 11.8 | 40 | |
| Trichloroethene | 9.531 | 0.50 | 10.00 | 0 | 95.3 | 74 | 123 | 10.55 | 10.1 | 40 | |
| Toluene | 9.638 | 0.50 | 10.00 | 0 | 96.4 | 88 | 117 | 10.55 | 9.06 | 40 | |
| 1,1,2-Trichloroethane | 10.50 | 0.50 | 10.00 | 0 | 105 | 83 | 121 | 12.36 | 16.2 | 40 | |
| Tetrachloroethene | 9.301 | 0.50 | 10.00 | 0 | 93.0 | 74 | 115 | 9.076 | 2.46 | 40 | |
| Chlorobenzene | 9.691 | 0.50 | 10.00 | 0 | 96.9 | 83 | 112 | 9.332 | 3.78 | 40 | |
| Ethylbenzene | 10.15 | 0.50 | 10.00 | 0 | 101 | 87 | 110 | 9.619 | 5.35 | 40 | |
| m,p-Xylene | 20.18 | 0.50 | 20.00 | 0 | 101 | 87 | 114 | 19.36 | 4.14 | 40 | |
| o-Xylene | 9.867 | 0.50 | 10.00 | 0 | 98.7 | 84 | 114 | 9.358 | 5.3 | 40 | |
| Surrogate: Dibromofluoromethane | 9.226 | 0.50 | 10.00 | 0 | 92.3 | 88 | 124 | 0 | 0 | 40 | |
| Surrogate: 1,2-Dichloroethane-d4 | 8.930 | 0.50 | 10.00 | 0 | 89.3 | 79 | 115 | 0 | 0 | 40 | |
| Surrogate: Toluene-d8 | 10.01 | 0.50 | 10.00 | 0 | 100 | 80 | 114 | 0 | 0 | 40 | |
| Surrogate: Bromofluorobenzene | 9.993 | 0.50 | 10.00 | 0 | 99.9 | 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

Mitkem Laboratories

Date: 21-Aug-08

Client: Earth Tech
Client Sample ID: EFF 081908
Lab ID: G1358-01

Project: NOW Corp. Site
Collection Date: 08/19/08 10:30

| Analyses | Result Qual | RL Units | DF | Date Analyzed | Batch ID |
|---|-------------|----------|----|-----------------|-----------------------|
| EPA 1664 -- Oil & Grease, HEM Oil & Grease, Total Recoverable | ND | 5.0 mg/L | 1 | 08/21/2008 0:00 | E1664 38234 |

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 Laboratories

Date: 21-Aug-08

Client: Earth Tech

Client Sample ID: INF 081908

Lab ID: G1358-02

Project: NOW Corp. Site

Collection Date: 08/19/08 10:40

| Analyses | Result | Qual | RL | Units | DF | Date Analyzed | Batch ID |
|--|--------|------|-----|-------|----|-----------------|--------------|
| EPA 1664 -- Oil & Grease, HEM | | | | | | | E1664 |
| Oil & Grease, Total Recoverable | ND | | 5.0 | mg/L | 1 | 08/21/2008 0:00 | 38234 |

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

E1664

EPA 1664 -- Oil & Grease, HEM

CLIENT: Earth Tech
 Work Order: G1358
 Project: NOW Corp. Site

| | | | | |
|---------------------------------|-----------------|-----------------|--------------------------|------------------------|
| Sample ID: MB-38234 | SampType: MBLK | TestCode: E1664 | Prep Date: 8/20/2008 | Run ID: MANUAL_080821A |
| Client ID: MB-38234 | Batch ID: 38234 | Units: mg/L | Analysis Date: 8/21/2008 | SeqNo: 866267 |
| Analyte | Result | PQL | SPK Ref Val | %REC |
| Oil & Grease, Total Recoverable | ND | 5.0 | SPK value | LowLimit HighLimit |
| | | | RPD Ref Val | %RPD RPDLimit |
| | | | | Qual |

| | | | | |
|---------------------------------|-----------------|-----------------|--------------------------|------------------------|
| Sample ID: LCS-38234 | SampType: LCS | TestCode: E1664 | Prep Date: 8/20/2008 | Run ID: MANUAL_080821A |
| Client ID: LCS-38234 | Batch ID: 38234 | Units: mg/L | Analysis Date: 8/21/2008 | SeqNo: 866265 |
| Analyte | Result | PQL | SPK Ref Val | %REC |
| Oil & Grease, Total Recoverable | 35.20 | 5.0 | 0 | 88.0 |
| | | | 40.00 | 78 |
| | | | 114 | 0 |
| | | | RPD Ref Val | %RPD RPDLimit |
| | | | | Qual |

| | | | | |
|---------------------------------|-----------------|-----------------|--------------------------|------------------------|
| Sample ID: LCSD-38234 | SampType: LCSD | TestCode: E1664 | Prep Date: 8/20/2008 | Run ID: MANUAL_080821A |
| Client ID: LCSD-38234 | Batch ID: 38234 | Units: mg/L | Analysis Date: 8/21/2008 | SeqNo: 866266 |
| Analyte | Result | PQL | SPK Ref Val | %REC |
| Oil & Grease, Total Recoverable | 34.10 | 5.0 | 0 | 85.3 |
| | | | 40.00 | 78 |
| | | | 114 | 35.20 |
| | | | RPD Ref Val | %RPD RPDLimit |
| | | | | Qual |



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 Laboratories

Date: 31-Aug-08

Client: Earth Tech
 Client Sample ID: EFF 081908
 Lab ID: G1358-01

Project: NOW Corp. Site
 Collection Date: 08/19/08 10:30

| Analyses | Result | Qual | RL | Units | DF | Date Analyzed | Batch ID |
|-------------------------------------|--------|------|------|-------|----|--------------------|-----------------|
| SW846 6010 -- Metals by ICP | | | | | | | SW6010_W |
| Aluminum | ND | | 200 | µg/L | | 1 08/26/2008 10:21 | 38349 |
| Arsenic | ND | | 20 | µg/L | | 1 08/26/2008 10:21 | 38349 |
| Barium | ND | | 200 | µg/L | | 1 08/26/2008 10:21 | 38349 |
| Chromium | ND | | 20 | µg/L | | 1 08/26/2008 10:21 | 38349 |
| Copper | ND | | 25 | µg/L | | 1 08/26/2008 10:21 | 38349 |
| Iron | ND | | 200 | µg/L | | 1 08/26/2008 10:21 | 38349 |
| Manganese | 81 | | 50 | µg/L | | 1 08/26/2008 10:21 | 38349 |
| Nickel | ND | | 50 | µg/L | | 1 08/26/2008 10:21 | 38349 |
| Zinc | ND | | 50 | µg/L | | 1 08/26/2008 10:21 | 38349 |
| SW846 7470 -- Mercury by FIA | | | | | | | SW7470 |
| Mercury | ND | | 0.20 | µg/L | | 1 08/22/2008 10:06 | 38271 |

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 Laboratories

Date: 31-Aug-08

Client: Earth Tech
Client Sample ID: INF 081908
Lab ID: G1358-02**Project:** NOW Corp. Site
Collection Date: 08/19/08 10:40

| Analyses | Result | Qual | RL | Units | DF | Date Analyzed | Batch ID |
|-------------------------------------|--------|------|------|-------|----|--------------------|-----------------|
| SW846 6010 -- Metals by ICP | | | | | | | SW6010_W |
| Aluminum | ND | | 200 | µg/L | | 1 08/26/2008 10:24 | 38349 |
| Arsenic | ND | | 20 | µg/L | | 1 08/26/2008 10:24 | 38349 |
| Barium | ND | | 200 | µg/L | | 1 08/26/2008 10:24 | 38349 |
| Chromium | ND | | 20 | µg/L | | 1 08/26/2008 10:24 | 38349 |
| Copper | ND | | 25 | µg/L | | 1 08/26/2008 10:24 | 38349 |
| Iron | ND | | 200 | µg/L | | 1 08/26/2008 10:24 | 38349 |
| Manganese | 210 | | 50 | µg/L | | 1 08/26/2008 10:24 | 38349 |
| Nickel | ND | | 50 | µg/L | | 1 08/26/2008 10:24 | 38349 |
| Zinc | ND | | 50 | µg/L | | 1 08/26/2008 10:24 | 38349 |
| SW846 7470 -- Mercury by FIA | | | | | | | SW7470 |
| Mercury | ND | | 0.20 | µg/L | | 1 08/22/2008 10:08 | 38271 |

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

CLIENT: Earth Tech
Work Order: G1358
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW6010_W
SW846 6010 -- Metals by ICP

Sample ID: **MB-38349** SampType: **MBLK** TestCode: **SW6010_W** Prep Date: **8/25/2008** Run ID: **OPTIMA3_080826C**
 Client ID: **MB-38349** Batch ID: **38349** Units: **µg/L** Analysis Date: **8/26/2008** SeqNo: **868418**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|-----------|--------|-----|-----------|-------------|------|----------|-----------|-------------|------|----------|------|
| Aluminum | ND | 200 | | | | | | | | | |
| Arsenic | ND | 20 | | | | | | | | | |
| Barium | ND | 200 | | | | | | | | | |
| Chromium | ND | 20 | | | | | | | | | |
| Copper | ND | 30 | | | | | | | | | |
| Iron | ND | 200 | | | | | | | | | |
| Manganese | ND | 50 | | | | | | | | | |
| Nickel | ND | 50 | | | | | | | | | |
| Zinc | ND | 50 | | | | | | | | | |

Sample ID: **LCS-38349** SampType: **LCS** TestCode: **SW6010_W** Prep Date: **8/25/2008** Run ID: **OPTIMA3_080826C**
 Client ID: **LCS-38349** Batch ID: **38349** Units: **µg/L** Analysis Date: **8/26/2008** SeqNo: **868419**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|-----------|--------|-----|-----------|-------------|------|----------|-----------|-------------|------|----------|------|
| Aluminum | 9625 | 200 | 9100 | 0 | 106 | 80 | 120 | 0 | | | |
| Arsenic | 497.5 | 20 | 455.0 | 0 | 109 | 80 | 120 | 0 | | | |
| Barium | 10180 | 200 | 9100 | 0 | 112 | 80 | 120 | 0 | | | |
| Chromium | 981.6 | 20 | 910.0 | 0 | 108 | 80 | 120 | 0 | | | |
| Copper | 1218 | 30 | 1130 | 0 | 108 | 80 | 120 | 0 | | | |
| Iron | 4931 | 200 | 4550 | 0 | 108 | 80 | 120 | 0 | | | |
| Manganese | 2540 | 50 | 2270 | 0 | 112 | 80 | 120 | 0 | | | |
| Nickel | 2484 | 50 | 2270 | 0 | 109 | 80 | 120 | 0 | | | |
| Zinc | 2510 | 50 | 2270 | 0 | 111 | 80 | 120 | 0 | | | |



Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech
Work Order: G1358
Project: NOW Corp. Site

SW7470
SW846 7470 -- Mercury by FIA

| | | | | |
|----------------------------|------------------------|-------------------------|---------------------------------|------------------------------|
| Sample ID: MB-38271 | SampType: MBLK | TestCode: SW7470 | Prep Date: 8/21/2008 | Run ID: FIMS1_080822A |
| Client ID: MB-38271 | Batch ID: 38271 | Units: µg/L | Analysis Date: 8/22/2008 | SeqNo: 866552 |
| Analyte | Result | PQL | SPK Ref Val | %REC |
| Mercury | ND | 0.20 | | |

| | | | | |
|-----------------------------|------------------------|-------------------------|---------------------------------|------------------------------|
| Sample ID: LCS-38271 | SampType: LCS | TestCode: SW7470 | Prep Date: 8/21/2008 | Run ID: FIMS1_080822A |
| Client ID: LCS-38271 | Batch ID: 38271 | Units: µg/L | Analysis Date: 8/22/2008 | SeqNo: 866553 |
| Analyte | Result | PQL | SPK Ref Val | %REC |
| Mercury | 4.615 | 0.20 | 0 | 101 |

| | | | | | | | |
|--|--|-----------|----------|-------------|------|----------|------|
| | | HighLimit | LowLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| | | 1.20 | 80 | 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



Mitkem Laboratories

Date: 04-Sep-08

Client: Earth Tech

Client Sample ID: EFF 081908

Lab ID: G1358-01

Project: NOW Corp. Site

Collection Date: 08/19/08 10:30

| Analyses | Result | Qual | RL | Units | DF | Date Analyzed | Batch ID |
|---|--------|------|----|-------|----|--------------------|----------------------------|
| SM 2540C -- TOTAL DISSOLVED SOLIDS Total Dissolved Solids | 270 | | 10 | mg/L | | 1 08/21/2008 16:30 | SM2540_TDS 38274 |
| SM 2540D -- TOTAL SUSPENDED SOLIDS Total Suspended Solids | ND | | 10 | mg/L | | 1 08/21/2008 16:30 | SM2540_TSS 38275 |
| SW846 9012 -- Total Cyanide Cyanide | ND | | 10 | µg/L | | 1 08/26/2008 9:47 | SW9012_W 38353 |

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 Laboratories

Date: 04-Sep-08

Client: Earth Tech

Client Sample ID: INF 081908

Lab ID: G1358-02

Project: NOW Corp. Site

Collection Date: 08/19/08 10:40

| Analyses | Result | Qual | RL | Units | DF | Date Analyzed | Batch ID |
|---|--------|------|----|---------|----|--------------------|-------------------|
| SM 2540C -- TOTAL DISSOLVED SOLIDS | | | | | | | SM2540_TDS |
| Total Dissolved Solids | 300 | | | 10 mg/L | | 1 08/21/2008 16:30 | 38274 |
| SM 2540D -- TOTAL SUSPENDED SOLIDS | | | | | | | SM2540_TSS |
| Total Suspended Solids | ND | | | 10 mg/L | | 1 08/21/2008 16:30 | 38275 |
| SW846 9012 -- Total Cyanide | | | | | | | SW9012_W |
| Cyanide | ND | | | 10 µg/L | | 1 08/26/2008 9:59 | 38353 |

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: G1358
 Project: NOW Corp. Site

SM2540_TDS
 SM 2540C -- TOTAL DISSOLVED SOLIDS

| Sample ID: | MB-38274 | SampType: | MBLK | TestCode: | SM2540_TDS | Prep Date: | 8/21/2008 | Run ID: | MANUAL_080821B | | | | |
|------------------------|--------------|-----------|-------|-----------|------------|----------------|-----------|----------|----------------|-------------|-------|----------|------|
| Client ID: | MB-38274 | Batch ID: | 38274 | Units: | mg/L | Analysis Date: | 8/21/2008 | SeqNo: | 866962 | | | | |
| Analyte | | Result | PQL | SPK value | | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Total Dissolved Solids | | ND | 10 | | | | | | | | | | |
| Sample ID: | LCS-38274 | SampType: | LCS | TestCode: | SM2540_TDS | Prep Date: | 8/21/2008 | Run ID: | MANUAL_080821B | | | | |
| Client ID: | LCS-38274 | Batch ID: | 38274 | Units: | mg/L | Analysis Date: | 8/21/2008 | SeqNo: | 866963 | | | | |
| Analyte | | Result | PQL | SPK value | | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Total Dissolved Solids | | 813.0 | 10 | 817.0 | | 0 | 99.5 | 80 | 120 | 0 | | | |
| Sample ID: | G1358-02CDUP | SampType: | DUP | TestCode: | SM2540_TDS | Prep Date: | 8/21/2008 | Run ID: | MANUAL_080821B | | | | |
| Client ID: | INF 081908 | Batch ID: | 38274 | Units: | mg/L | Analysis Date: | 8/21/2008 | SeqNo: | 866968 | | | | |
| Analyte | | Result | PQL | SPK value | | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Total Dissolved Solids | | 303.0 | 10 | 0 | | 0 | 0 | 0 | 0 | 300.0 | 0.995 | 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



ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech
 Work Order: G1358
 Project: NOW Corp. Site

SM2540_TSS
 SM 2540D -- TOTAL SUSPENDED SOLIDS

| Sample ID | MB-38275 | SampType | MBLK | TestCode | SM2540_TSS | Prep Date | 8/21/2008 | Run ID | MANUAL_080821C | | | | |
|------------------------|--------------|----------|-------|----------|------------|---------------|-----------|--|----------------|-------------|------|----------|------|
| Client ID | MB-38275 | Batch ID | 38275 | Units | mg/L | Analysis Date | 8/21/2008 | SeqNo | 866977 | | | | |
| Analyte | | | | Result | PQL | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Total Suspended Solids | | | | ND | 10 | | | | | | | | |
| Sample ID | LCS-38275 | SampType | LCS | TestCode | SM2540_TSS | Prep Date | 8/21/2008 | Run ID | MANUAL_080821C | | | | |
| Client ID | LCS-38275 | Batch ID | 38275 | Units | mg/L | Analysis Date | 8/21/2008 | SeqNo | 866978 | | | | |
| Analyte | | | | Result | PQL | SPK Ref Val | %REC | LowLimit <td>HighLimit</td> <td>RPD Ref Val</td> <td>%RPD</td> <td>RPDLimit</td> <td>Qual</td> | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Total Suspended Solids | | | | 84.00 | 10 | 0 | 98.8 | 80 | 120 | 0 | | | |
| Sample ID | G1358-02CDUP | SampType | DUP | TestCode | SM2540_TSS | Prep Date | 8/21/2008 | Run ID | MANUAL_080821C | | | | |
| Client ID | INF 081908 | Batch ID | 38275 | Units | mg/L | Analysis Date | 8/21/2008 | SeqNo | 866981 | | | | |
| Analyte | | | | Result | PQL | SPK Ref Val | %REC | LowLimit <td>HighLimit</td> <td>RPD Ref Val</td> <td>%RPD</td> <td>RPDLimit</td> <td>Qual</td> | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Total Suspended Solids | | | | ND | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits



ANALYTICAL QC SUMMARY REPORT
SW9012_W
SW846 9012 -- Total Cyanide

CLIENT: Earth Tech
Work Order: G1358
Project: NOW Corp. Site

Sample ID: MB-38353 **SampType:** MBLK **TestCode:** SW9012_W **Prep Date:** 8/25/2008 **Run ID:** LACHAT1_080826A
Client ID: MB-38353 **Batch ID:** 38353 **Units:** µg/L **Analysis Date:** 8/26/2008 **SeqNo:** 873897

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---------|--------|-----|-----------|-------------|------|----------|-----------|-------------|------|----------|------|
| Cyanide | ND | 20 | | | | | | | | | |

| Sample ID: | Client ID: | SampType: | Batch ID: | Units: | Prep Date: | Run ID: | | | | | |
|------------|------------|-----------|-----------|-------------|------------|-----------------|-----------|-------------|------|----------|------|
| LCS-38353 | LCS-38353 | LCS | 38353 | µg/L | 8/25/2008 | LACHAT1_080826A | | | | | |
| | | | | | 8/26/2008 | 873898 | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Cyanide | 99.50 | 20 | 100.0 | 0 | 99.5 | 80 | 120 | 0 | | | |

| Sample ID: | Client ID: | SampType: | Batch ID: | Units: | Prep Date: | Run ID: | | | | | |
|--------------|------------|-----------|-----------|-------------|------------|-----------------|-----------|-------------|------|----------|------|
| G1358-01EDUP | EFF 081908 | DUP | 38353 | µg/L | 8/25/2008 | LACHAT1_080826A | | | | | |
| | | | | | 8/26/2008 | 873901 | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Cyanide | ND | 10 | 0 | 0 | 0 | 0 | 0 | 4.470 | 20.3 | 20 | |



Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

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

Case:
 SDG:
 PO: 94017.02

Report Level: LEVEL 2
 EDD:
 HC Due: 09/05/08
 Fax Due:

| Sample ID | HS Client Sample ID | Collection Date | Date Recv'd | Matrix | Test Code | Lab Test Comments | Hold | MS | SEL | SEL Storage |
|-----------|---------------------|------------------|-------------|---------|-------------|-----------------------------------|--------------------------|--------------------------|-------------------------------------|-------------|
| G1358-01A | EFF 081908 | 08/19/2008 10:30 | 08/20/2008 | Aqueous | SW8260_25_W | use for VOCs, if can't, use OLC i | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | VOA |
| G1358-01B | EFF 081908 | 08/19/2008 10:30 | 08/20/2008 | Aqueous | SW6010_W | See SEL list | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | M4 |
| | | | | | SW7470 | See SEL list | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | M4 |
| G1358-01C | EFF 081908 | 08/19/2008 10:30 | 08/20/2008 | Aqueous | SM2540_TDS | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I3 |
| | | | | | SM2540_TSS | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I3 |
| G1358-01D | EFF 081908 | 08/19/2008 10:30 | 08/20/2008 | Aqueous | E1664 | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I3 |
| G1358-01E | EFF 081908 | 08/19/2008 10:30 | 08/20/2008 | Aqueous | SW9012_W | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | I3 |
| G1358-02A | INF 081908 | 08/19/2008 10:40 | 08/20/2008 | Aqueous | SW8260_25_W | use for VOCs, if can't, use OLC i | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | VOA |
| G1358-02B | INF 081908 | 08/19/2008 10:40 | 08/20/2008 | Aqueous | SW6010_W | See SEL list | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | M4 |
| | | | | | SW7470 | See SEL list | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | M4 |
| G1358-02C | INF 081908 | 08/19/2008 10:40 | 08/20/2008 | Aqueous | SM2540_TDS | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I3 |
| | | | | | SM2540_TSS | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I3 |



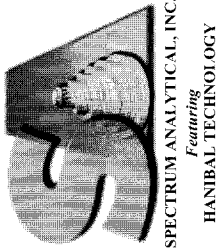
Client ID: EARTH_NY
 Project: NOW Corp. Site
 Location:
 Comments: N/A

Case:
 SDG:
 PO: 94017.02

Report Level: LEVEL 2
 EDD:
 HC Due: 09/05/08
 Fax Due:

| Sample ID | HS Client Sample ID | Collection Date | Date Recv'd | Matrix | Test Code | Lab Test Comments | Hold | MS | SEL | Storage |
|-----------|---------------------|------------------|-------------|---------|-------------|-----------------------------------|--------------------------|--------------------------|-------------------------------------|---------|
| G1358-02D | INF 081908 | 08/19/2008 10:40 | 08/20/2008 | Aqueous | E1664 | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I3 |
| G1358-02E | INF 081908 | 08/19/2008 10:40 | 08/20/2008 | Aqueous | SW9012_W | | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | I3 |
| G1358-03A | TW-1 | 08/19/2008 10:55 | 08/20/2008 | Aqueous | SW8260_25_W | use for VOCs, if can't, use OLC i | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | VOA |
| G1358-04A | TW-2A | 08/19/2008 11:00 | 08/20/2008 | Aqueous | SW8260_25_W | use for VOCs, if can't, use OLC i | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | VOA |
| G1358-05A | TW-3 | 08/19/2008 11:05 | 08/20/2008 | Aqueous | SW8260_25_W | use for VOCs, if can't, use OLC i | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | VOA |
| G1358-06A | TRIP BLANK | 08/19/2008 0:00 | 08/20/2008 | Aqueous | SW8260_25_W | use for VOCs, if can't, use OLC i | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | VOA |





CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- Standard TAT - 7 to 10 business days
- Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: STÉVE CHOINIERE
EARTH TECH INC.
40 BRITISH AMERICAN BLVD.
LATHAM N.Y. 12110
 Project Mgr.: STÉVE CHOINIERE

Invoice To: SAME
 P.O. No.: _____

Project No.: 94017.02
 Site Name: Now Corp.
 Location: STATTSBURG State: N.Y.
 Sampler(s): B.V.D.

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9= _____ 10= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1= _____ X2= _____ X3= _____

Containers:

| | | | |
|----------------|------------------|------------------|--------------|
| # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic |
| 2 | 2 | 3 | 3 |
| 2 | 2 | 3 | 3 |
| 2 | 2 | | |
| 2 | 2 | | |
| 2 | 2 | | |
| 2 | 2 | | |

Analyses:

| | | | | |
|--------|----------|---------|-----|---------|
| 8260 * | METALS * | TDS/TSS | DTG | CYANIDE |
| X | X | X | X | X |
| X | X | X | X | X |
| X | X | X | X | X |
| X | X | X | X | X |
| X | X | X | X | X |
| X | X | X | X | X |

QA Reporting Notes:

(check if needed)

- Provide MA DEP MCP CAM Report
- Provide CT DEP RCP Report
- QA/QC Reporting Level
 - Standard
 - No QC
 - Other _____
- State specific reporting standards: _____

| Lab Id: | Sample Id: | Date: | Time: | Type | Matrix | Preservative |
|---------|----------------|---------|-------|------|--------|--------------|
| C-1355 | EFF. 81908 | 8/19/08 | 10:30 | QC | CW | |
| | INF 81908 | | 10:40 | G | | |
| | TW-1 | | 10:55 | | | |
| | TW-2A | | 11:00 | | | |
| | TW-3 | | 11:05 | | | |
| | QC TRIP BLANKS | | | | | |

Fax results when available to () _____
 E-mail to _____
 EDD Format _____
 Condition upon receipt: Iced Ambient °C 9°C

Relinquished by: Roger Gray

Received by: W. Johnson
 Date: 8/19/08 Time: 2:15
if/ok 5:45

MITKEM LABORATORIES

Sample Condition Form

| | | | | | | |
|--|-------------------------|---------------------------|----------------------------------|-----|--------------------------------------|------------|
| Received By: <u>CAN</u> | Reviewed By: <u>SN</u> | Date: <u>8/30/08</u> | MITKEM Workorder # <u>C-1358</u> | | | |
| Client Project: <u>Naco Corp</u> | | Client: <u>Earth Tech</u> | | | Soil Headspace or Air Bubbles ≥ 1/4" | |
| | | Preservation (pH) | | | | |
| | Lab Sample ID | HNO ₃ | H ₂ SO ₄ | HCl | NaOH | VOA Matrix |
| 1) Cooler Sealed <input checked="" type="radio"/> Yes / No | <u>C-1358</u> <u>01</u> | <u><2</u> | | | <u>>10</u> | <u>if</u> |
| | <u>02</u> | <u><2</u> | | | <u>>10</u> | |
| 2) Custody Seal(s) <input checked="" type="radio"/> Present / Absent | <u>03</u> | | | | | |
| <input checked="" type="radio"/> Coolers / Bottles | <u>04</u> | | | | | |
| <input checked="" type="radio"/> Intact / Broken | <u>05</u> | | | | | |
| 3) Custody Seal Number(s) <u>NA</u> | <u>C-1358</u> <u>06</u> | | | | | <u>if</u> |
| 4) Chain-of-Custody <input checked="" type="radio"/> Present / Absent | | | | | | |
| 5) Cooler Temperature <u>5°C</u> | | | | | | |
| Coolant Condition <u>ICE</u> | | | | | | |
| 6) Airbill(s) <input checked="" type="radio"/> Present / Absent | | | | | | |
| Airbill Number(s) <u>84587209/16-12</u> | | | | | | |
| 7) Sample Bottles <input checked="" type="radio"/> Intact / Broken / Leaking | | | | | | |
| 8) Date Received <u>8/30/08</u> | | | | | | |
| 9) Time Received <u>8:45</u> | | | | | | |
| Preservative Name/Lot No: | | | | | | |
| | | | | | | |
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| | | | | | | |

VOA Matrix Key:

US = Unpreserved Soil **A** = Air

UA = Unpreserved Aqu. **H** = HCl

M = MeOH **E** = Encore

N = NaHSO₄ **F** = Freeze

See Sample Condition Notification/Corrective Action Form yes no

Rad OK yes/ no

Last Page of Data Report