

**Operation, Maintenance and Monitoring Report
September - November 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

December 30, 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
O&M Summary Report: September - November 2008

Dear Mr. Hoffman:

This generally 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 93-day period (**August 19 – November 20, 2008**). As you know, this reporting period included extensive system downtime – from September 9 until November 5 – due to failure of the programmable logic controller (PLC).

Approximately 503,000 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 5,400 gallons per day (14,000 gpd if the 57 days of downtime are excluded). During the prior reporting period, the average discharge was 18,900 gpd.

As of the last day of the reporting period, a total of 66,138,000 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 November 20, 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 and our subcontractor Pendragon Technology Consulting, Inc. (Pendragon) made several site visits during the period to conduct the required system inspection, perform scheduled and/or unscheduled maintenance, and collect water samples. The August 19 service visit was described in the previous report. Details for the current period follow:

August 22 – Remote monitoring on the 21st indicated high water level in extraction well TW-3. Tech flipped breaker onsite and cleared thermal alarm condition to restart pump in TW-3.

August 26 – Cleaned the three sedimentation tanks and measured monitoring-well water levels. Opened valve wide to flush obstruction past adjusting valve for TW-1 discharge; remote monitoring had showed virtually no discharge from TW-1 for the past three or four days. Adjusted submersible pump discharge rates.

September 10 – Normal stream of daily system faxes disrupted today. Absence of PLC-generated fax usually indicates that the modem needs to be reset. Remote monitoring is not possible.

September 16 – Regular monthly O&M service call. System down upon arrival. Performed routine checks. Contacted Pendragon for troubleshooting assistance.

September 17 – Pendragon determined that the PLC is damaged. Pendragon tech sets unit aside for Earth Tech pickup on the 18th.

October 29 - Earth Tech and Pendragon onsite to install new PLC. Fired up propane building heater – heater won't work. Contacted Kingston Oil to schedule repair of unit, which they performed late in the evening on this date. Earth Tech applied high-temperature caulk around exhaust pipe at building roof line to mitigate possible leaks. Removed leaves from building gutters.

November 5 – Pendragon onsite to complete installation of PLC. Started system. Earth Tech stopped by to reset pumping rates.

November 7 – Remote monitoring showed possible problem with water-level sensor in TW-2A. Investigating technician confirmed that transducer had failed. Pump won't run in "auto" mode without proper sensor input, so Earth Tech remotely ran pump in "manual" mode during business hours *only* until new sensor was installed (on December 1).

November 12 – Techs responded to system effluent alarm generated on the 11th. Effluent pump had failed. Techs installed onsite spare pump and started system. Delivered pump to Pump Service & Supply (PSS) for diagnosis.

November 20 - Regular monthly O&M service call, water sampling (last performed in August), and quarterly water-level measurements (Table 3). PSS called with an effluent pump repair estimate (\$1,100) that was nearly as costly as a new pump. NYSDEC approved purchase of a new pump.

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

Sincerely,
Earth Tech Northeast



Stephen R. Choiniere
Project Manager

Attachments

Table 1
Summary of Influent and Effluent Data
Sampling Date: November 20, 2008
NOW Corporation Site
Town of Clinton, New York

Analytes/ Parameters	Total Influent	Effluent	Recovery Wells			Effluent Limitations	
			TW-1	TW-2A	TW-3		(units)
Quantity treated, per day		5,413				Monitor	gpd
pH	7.3	7.2	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	320	280	NA	NA	NA	1000	mg/L
TSS	55	<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	67	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	270	<0.50	69	500	13	5	ug/L
1,1,2-Trichloroethane	<13	<0.50	<2.0	<13	<0.50	1.2	ug/L
1,1-Dichloroethane	130	<0.50	98	200	27	5	ug/L
1,1-Dichloroethene	7.6 J	<0.50	8.3	9.7 J	1.8	0.5	ug/L
1,2-Dichloroethane	<13	<0.50	<2.0	<13	<0.50	1.6	ug/L
Benzene	<13	<0.50	<2.0	<13	<0.50	0.8	ug/L
Chlorobenzene	<13	<0.50	<2.0	<13	<0.50	5	ug/L
Chloroethane	<13	<0.50	<2.0	<13	<0.50	5	ug/L
cis-1,2-Dichloroethene	7.3 J	<0.50	6.7	13 J	0.68	5	ug/L
Ethylbenzene	<13	<0.50	<2.0	<13	<0.50	5	ug/L
Methyl tert-butyl ether	<13	<0.50	<2.0	<13	<0.50	5	ug/L
o-Xylene	<13	<0.50	<2.0	<13	<0.50	5	ug/L
p&m-Xylene	<13	<0.50	<2.0	<13	<0.50	10	ug/L
Tetrachloroethene	<13	<0.50	<2.0	<13	<0.50	1.4	ug/L
Toluene	<13	0.41 J	<2.0	<13	0.48 J	5	ug/L
trans-1,2-Dichloroethene	<13	<0.50	<2.0	<13	<0.50	5	ug/L
Trichloroethene	250	<0.50	120	440	30	5	ug/L
Vinyl Chloride	<13	<0.50	<2.0	<13	<0.50	0.6	ug/L

Notes:

- 1) Detected concentrations are presented in **bold** typeface, and are expressed in the units shown in far right column.
- 2) Effluent concentration boxed in **bold** denotes exceedance of effluent limitations.
- 3) NA indicates not analyzed.
- 4) "J" indicates an estimated concentration below the method detection limit.
- 5) "D" denotes analytical result for a diluted sample.

Table 2
Summary of November 2008 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		11/20/08	Units
<i>TW-1</i>			
Pumping Rate		5	GPM
Water Level Above Transducer		14.55	feet
Flow Meter Reading		4,590,800	gallons
Pump Pressure		60	psi
<i>TW-2A</i>			
Pumping Rate		9	GPM
Water Level Above Transducer		-	feet
Flow Meter Reading		7,677,500	gallons
Pump Pressure		70	psi
<i>TW-3</i>			
Pumping Rate		4	GPM
Water Level Above Transducer		20.81	feet
Flow Meter Reading		5,908,100	gallons
Pump Pressure		65	psi
<i>Air Stripper</i>			
Stripper Blower Pressure		19.5	inches H ₂ O
Air Temperature in Stripper		52	°F
Pressure Gauge - Left Leg		1.2	inches H ₂ O
Pressure Gauge - Right Leg		0.7	inches H ₂ O
<i>Effluent Flow</i>			
Effluent Flow this period (calculated)		503,400	gallons
Total Effluent Flow (calculated)		66,137,600	gallons

Table 3
November 2008 Groundwater Levels

NOW Corporation Site
Town of Clinton, New York

Well ID	MP Elevation	11/20/08	
		Depth to Water (Ft below MP)	GW Elevation
MW-1	289.50	13.02	276.48
MW-2	332.51	30.36	302.15
MW-3	312.83	30.70	282.13
MW-3S	312.51	26.82	285.69
MW-4	298.29	23.03	275.26
MW-4D	298.16	22.86	275.30
MW-5	285.48	18.77	266.71
MW-6S	287.90	7.52	280.38
MW-6D	287.25	10.50	276.75
MW-7S	292.12	19.66	272.46
MW-7D	292.54	49.02	243.52
OW-1	307.75	47.45	260.30
OW-2	305.96	70.22	235.74
OW-6	294.81	6.13	288.68
IW-1	312.46	33.90	278.56
IW-2	306.56	37.90	268.66

Note: N/A indicates data are not available.
MP denotes measuring point.



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December 12, 2008

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

RE: Client Project: NOW Corp. Site, 94017.02, 11/08
Lab Project #: G2183

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 black ink, appearing to read "Edward A. Lawler", is written over a light blue horizontal line.

Edward A. Lawler
Laboratory Operations Manager

Report of Laboratory Analyses for Earth Tech

Client Project: NOW Corp. 94017.02, 11/08

Mitkem Work Order ID: G2183

December 12, 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, 11/08

Lab Work Order: G2183

Date samples received: 11/21/08

Project Narrative

This data report includes the analysis results for six (6) aqueous samples that were received from Earth Tech on November 21, 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.

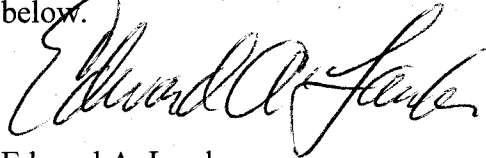
Surrogate recoveries were within the QC limits for volatile organic analyses. Percent recoveries in laboratory control samples were within the QC limits with the exception of elevated recovery for vinyl chloride in LCS-40495. Please note that this compound was not detected in any sample. The following samples were initially analyzed at dilution: INF112008 at 25X, TW-1 at 4X, and TW-2A at 25X.

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: 11-Dec-08

Client: Earth Tech – AECOM

Client Sample ID: EFF112008

Lab ID: G2183-01

Project: NOW Corp. Site

Collection Date: 11/20/08 10:10

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	12/02/2008 14:43	40459
Chloroethane	ND		0.50	µg/L	1	12/02/2008 14:43	40459
1,1-Dichloroethene	ND		0.50	µg/L	1	12/02/2008 14:43	40459
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	12/02/2008 14:43	40459
Methyl tert-butyl ether	ND		0.50	µg/L	1	12/02/2008 14:43	40459
1,1-Dichloroethane	ND		0.50	µg/L	1	12/02/2008 14:43	40459
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	12/02/2008 14:43	40459
1,1,1-Trichloroethane	ND		0.50	µg/L	1	12/02/2008 14:43	40459
1,2-Dichloroethane	ND		0.50	µg/L	1	12/02/2008 14:43	40459
Benzene	ND		0.50	µg/L	1	12/02/2008 14:43	40459
Trichloroethene	ND		0.50	µg/L	1	12/02/2008 14:43	40459
Toluene	0.41	J	0.50	µg/L	1	12/02/2008 14:43	40459
1,1,2-Trichloroethane	ND		0.50	µg/L	1	12/02/2008 14:43	40459
Tetrachloroethene	ND		0.50	µg/L	1	12/02/2008 14:43	40459
Chlorobenzene	ND		0.50	µg/L	1	12/02/2008 14:43	40459
Ethylbenzene	ND		0.50	µg/L	1	12/02/2008 14:43	40459
m,p-Xylene	ND		0.50	µg/L	1	12/02/2008 14:43	40459
o-Xylene	ND		0.50	µg/L	1	12/02/2008 14:43	40459
Surrogate: Dibromofluoromethane	100		88-124	%REC	1	12/02/2008 14:43	40459
Surrogate: 1,2-Dichloroethane-d4	91.5		79-115	%REC	1	12/02/2008 14:43	40459
Surrogate: Toluene-d8	113		80-114	%REC	1	12/02/2008 14:43	40459
Surrogate: Bromofluorobenzene	82.0		60-123	%REC	1	12/02/2008 14:43	40459

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

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

0003

Mitkem Laboratories

Date: 11-Dec-08

Client: Earth Tech – AECOM

Client Sample ID: INF112008

Lab ID: G2183-02

Project: NOW Corp. Site

Collection Date: 11/20/08 10:20

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	12/02/2008 16:14	40459
Chloroethane	ND		13	µg/L	25	12/02/2008 16:14	40459
1,1-Dichloroethene	7.6	J	13	µg/L	25	12/02/2008 16:14	40459
trans-1,2-Dichloroethene	ND		13	µg/L	25	12/02/2008 16:14	40459
Methyl tert-butyl ether	ND		13	µg/L	25	12/02/2008 16:14	40459
1,1-Dichloroethane	130		13	µg/L	25	12/02/2008 16:14	40459
cis-1,2-Dichloroethene	7.3	J	13	µg/L	25	12/02/2008 16:14	40459
1,1,1-Trichloroethane	270		13	µg/L	25	12/02/2008 16:14	40459
1,2-Dichloroethane	ND		13	µg/L	25	12/02/2008 16:14	40459
Benzene	ND		13	µg/L	25	12/02/2008 16:14	40459
Trichloroethene	250		13	µg/L	25	12/02/2008 16:14	40459
Toluene	ND		13	µg/L	25	12/02/2008 16:14	40459
1,1,2-Trichloroethane	ND		13	µg/L	25	12/02/2008 16:14	40459
Tetrachloroethene	ND		13	µg/L	25	12/02/2008 16:14	40459
Chlorobenzene	ND		13	µg/L	25	12/02/2008 16:14	40459
Ethylbenzene	ND		13	µg/L	25	12/02/2008 16:14	40459
m,p-Xylene	ND		13	µg/L	25	12/02/2008 16:14	40459
o-Xylene	ND		13	µg/L	25	12/02/2008 16:14	40459
Surrogate: Dibromofluoromethane	101		88-124	%REC	25	12/02/2008 16:14	40459
Surrogate: 1,2-Dichloroethane-d4	98.1		79-115	%REC	25	12/02/2008 16:14	40459
Surrogate: Toluene-d8	111		80-114	%REC	25	12/02/2008 16:14	40459
Surrogate: Bromofluorobenzene	81.6		60-123	%REC	25	12/02/2008 16:14	40459

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

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

0004

Mitkem Laboratories

Date: 11-Dec-08

Client: Earth Tech – AECOM

Client Sample ID: TW-1

Project: NOW Corp. Site

Lab ID: G2183-03

Collection Date: 11/20/08 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		2.0	µg/L	4	12/03/2008 13:12	40495
Chloroethane	ND		2.0	µg/L	4	12/03/2008 13:12	40495
1,1-Dichloroethene	8.3		2.0	µg/L	4	12/03/2008 13:12	40495
trans-1,2-Dichloroethene	ND		2.0	µg/L	4	12/03/2008 13:12	40495
Methyl tert-butyl ether	ND		2.0	µg/L	4	12/03/2008 13:12	40495
1,1-Dichloroethane	98		2.0	µg/L	4	12/03/2008 13:12	40495
cis-1,2-Dichloroethene	6.7		2.0	µg/L	4	12/03/2008 13:12	40495
1,1,1-Trichloroethane	69		2.0	µg/L	4	12/03/2008 13:12	40495
1,2-Dichloroethane	ND		2.0	µg/L	4	12/03/2008 13:12	40495
Benzene	ND		2.0	µg/L	4	12/03/2008 13:12	40495
Trichloroethene	120		2.0	µg/L	4	12/03/2008 13:12	40495
Toluene	ND		2.0	µg/L	4	12/03/2008 13:12	40495
1,1,2-Trichloroethane	ND		2.0	µg/L	4	12/03/2008 13:12	40495
Tetrachloroethene	ND		2.0	µg/L	4	12/03/2008 13:12	40495
Chlorobenzene	ND		2.0	µg/L	4	12/03/2008 13:12	40495
Ethylbenzene	ND		2.0	µg/L	4	12/03/2008 13:12	40495
m,p-Xylene	ND		2.0	µg/L	4	12/03/2008 13:12	40495
o-Xylene	ND		2.0	µg/L	4	12/03/2008 13:12	40495
Surrogate: Dibromofluoromethane	99.3		88-124	%REC	4	12/03/2008 13:12	40495
Surrogate: 1,2-Dichloroethane-d4	98.0		79-115	%REC	4	12/03/2008 13:12	40495
Surrogate: Toluene-d8	109		80-114	%REC	4	12/03/2008 13:12	40495
Surrogate: Bromofluorobenzene	82.1		60-123	%REC	4	12/03/2008 13:12	40495

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

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

0005

Mitkem Laboratories

Date: 11-Dec-08

Client: Earth Tech – AECOM

Client Sample ID: TW-2A

Project: NOW Corp. Site

Lab ID: G2183-04

Collection Date: 11/20/08 10:35

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	12/03/2008 13:42	40495
Chloroethane	ND		13	µg/L	25	12/03/2008 13:42	40495
1,1-Dichloroethene	9.7	J	13	µg/L	25	12/03/2008 13:42	40495
trans-1,2-Dichloroethene	ND		13	µg/L	25	12/03/2008 13:42	40495
Methyl tert-butyl ether	ND		13	µg/L	25	12/03/2008 13:42	40495
1,1-Dichloroethane	200		13	µg/L	25	12/03/2008 13:42	40495
cis-1,2-Dichloroethene	13	J	13	µg/L	25	12/03/2008 13:42	40495
1,1,1-Trichloroethane	500		13	µg/L	25	12/03/2008 13:42	40495
1,2-Dichloroethane	ND		13	µg/L	25	12/03/2008 13:42	40495
Benzene	ND		13	µg/L	25	12/03/2008 13:42	40495
Trichloroethene	440		13	µg/L	25	12/03/2008 13:42	40495
Toluene	ND		13	µg/L	25	12/03/2008 13:42	40495
1,1,2-Trichloroethane	ND		13	µg/L	25	12/03/2008 13:42	40495
Tetrachloroethene	ND		13	µg/L	25	12/03/2008 13:42	40495
Chlorobenzene	ND		13	µg/L	25	12/03/2008 13:42	40495
Ethylbenzene	ND		13	µg/L	25	12/03/2008 13:42	40495
m,p-Xylene	ND		13	µg/L	25	12/03/2008 13:42	40495
o-Xylene	ND		13	µg/L	25	12/03/2008 13:42	40495
Surrogate: Dibromofluoromethane	98.9		88-124	%REC	25	12/03/2008 13:42	40495
Surrogate: 1,2-Dichloroethane-d4	95.1		79-115	%REC	25	12/03/2008 13:42	40495
Surrogate: Toluene-d8	112		80-114	%REC	25	12/03/2008 13:42	40495
Surrogate: Bromofluorobenzene	84.5		60-123	%REC	25	12/03/2008 13:42	40495

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

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

0006

Mitkem Laboratories

Date: 11-Dec-08

Client: Earth Tech – AECOM

Client Sample ID: TW-3

Lab ID: G2183-05

Project: NOW Corp. Site

Collection Date: 11/20/08 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		0.50	µg/L	1	12/02/2008 17:45	40459
Chloroethane	ND		0.50	µg/L	1	12/02/2008 17:45	40459
1,1-Dichloroethene	1.8		0.50	µg/L	1	12/02/2008 17:45	40459
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	12/02/2008 17:45	40459
Methyl tert-butyl ether	ND		0.50	µg/L	1	12/02/2008 17:45	40459
1,1-Dichloroethane	27		0.50	µg/L	1	12/02/2008 17:45	40459
cis-1,2-Dichloroethene	0.68		0.50	µg/L	1	12/02/2008 17:45	40459
1,1,1-Trichloroethane	13		0.50	µg/L	1	12/02/2008 17:45	40459
1,2-Dichloroethane	ND		0.50	µg/L	1	12/02/2008 17:45	40459
Benzene	ND		0.50	µg/L	1	12/02/2008 17:45	40459
Trichloroethene	30		0.50	µg/L	1	12/02/2008 17:45	40459
Toluene	0.48	J	0.50	µg/L	1	12/02/2008 17:45	40459
1,1,2-Trichloroethane	ND		0.50	µg/L	1	12/02/2008 17:45	40459
Tetrachloroethene	ND		0.50	µg/L	1	12/02/2008 17:45	40459
Chlorobenzene	ND		0.50	µg/L	1	12/02/2008 17:45	40459
Ethylbenzene	ND		0.50	µg/L	1	12/02/2008 17:45	40459
m,p-Xylene	ND		0.50	µg/L	1	12/02/2008 17:45	40459
o-Xylene	ND		0.50	µg/L	1	12/02/2008 17:45	40459
Surrogate: Dibromofluoromethane	106		88-124	%REC	1	12/02/2008 17:45	40459
Surrogate: 1,2-Dichloroethane-d4	101		79-115	%REC	1	12/02/2008 17:45	40459
Surrogate: Toluene-d8	113		80-114	%REC	1	12/02/2008 17:45	40459
Surrogate: Bromofluorobenzene	81.1		60-123	%REC	1	12/02/2008 17:45	40459

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: 11-Dec-08

Client: Earth Tech – AECOM

Client Sample ID: TRIP BLANK

Lab ID: G2183-06

Project: NOW Corp. Site

Collection Date: 11/20/08 00:00

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	12/02/2008 14:13	40459
Chloroethane	ND		0.50	µg/L	1	12/02/2008 14:13	40459
1,1-Dichloroethene	ND		0.50	µg/L	1	12/02/2008 14:13	40459
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	12/02/2008 14:13	40459
Methyl tert-butyl ether	ND		0.50	µg/L	1	12/02/2008 14:13	40459
1,1-Dichloroethane	ND		0.50	µg/L	1	12/02/2008 14:13	40459
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	12/02/2008 14:13	40459
1,1,1-Trichloroethane	ND		0.50	µg/L	1	12/02/2008 14:13	40459
1,2-Dichloroethane	ND		0.50	µg/L	1	12/02/2008 14:13	40459
Benzene	ND		0.50	µg/L	1	12/02/2008 14:13	40459
Trichloroethene	ND		0.50	µg/L	1	12/02/2008 14:13	40459
Toluene	1.2		0.50	µg/L	1	12/02/2008 14:13	40459
1,1,2-Trichloroethane	ND		0.50	µg/L	1	12/02/2008 14:13	40459
Tetrachloroethene	ND		0.50	µg/L	1	12/02/2008 14:13	40459
Chlorobenzene	ND		0.50	µg/L	1	12/02/2008 14:13	40459
Ethylbenzene	ND		0.50	µg/L	1	12/02/2008 14:13	40459
m,p-Xylene	ND		0.50	µg/L	1	12/02/2008 14:13	40459
o-Xylene	ND		0.50	µg/L	1	12/02/2008 14:13	40459
Surrogate: Dibromofluoromethane	99.6		88-124	%REC	1	12/02/2008 14:13	40459
Surrogate: 1,2-Dichloroethane-d4	91.7		79-115	%REC	1	12/02/2008 14:13	40459
Surrogate: Toluene-d8	113		80-114	%REC	1	12/02/2008 14:13	40459
Surrogate: Bromofluorobenzene	84.2		60-123	%REC	1	12/02/2008 14:13	40459

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

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

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ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech - AECOM

Work Order: G2183

SW8260_25_W

Project: NOW Corp. Site

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

Sample ID: MB-40459	SampType: MBLK	TestCode: SW8260_25_W	Prep Date: 12/02/2008	Run ID: V6_081202A							
Client ID: MB-40459	Batch ID: 40459	Units: µg/L	Analysis Date: 12/02/2008	SeqNo: 940377							
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	10.00		10.00	0	100	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.672		10.00	0	96.7	79	115	0			
Surrogate: Toluene-d8	11.18		10.00	0	112	80	114	0			
Surrogate: Bromofluorobenzene	8.722		10.00	0	87.2	60	123	0			

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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

CLIENT: Earth Tech - AECOM

Work Order: G2183

Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: MB-40495	SampType: MBLK	TestCode: SW8260_25_W	Prep Date: 12/03/2008	Run ID: V6_081203A				
Client ID: MB-40495	Batch ID: 40495	Units: µg/L	Analysis Date: 12/03/2008	SeqNo: 940870				
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	9.840	0.50	10.00	0	98.4	88	124	0
Surrogate: 1,2-Dichloroethane-d4	9.497	0.50	10.00	0	95.0	79	115	0
Surrogate: Toluene-d8	10.89	0.50	10.00	0	109	80	114	0
Surrogate: Bromofluorobenzene	8.300	0.50	10.00	0	83.0	60	123	0

0010

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 - AECOM

Work Order: G2183

Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: LCS-40459	SampType: LCS	TestCode: SW8260_25_W	Prep Date: 12/02/2008	Run ID: V6_081202A							
Client ID: LCS-40459	Batch ID: 40459	Units: µg/L	Analysis Date: 12/02/2008	SeqNo: 940379							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.178	0.50	10.00	0	91.8	77	120	0			
Chloroethane	11.58	0.50	10.00	0	116	75	135	0			
1,1-Dichloroethene	9.146	0.50	10.00	0	91.5	81	125	0			
trans-1,2-Dichloroethene	10.82	0.50	10.00	0	108	60	137	0			
Methyl tert-butyl ether	8.752	0.50	10.00	0	87.5	61	134	0			
1,1-Dichloroethane	10.96	0.50	10.00	0	110	82	120	0			
cis-1,2-Dichloroethene	10.46	0.50	10.00	0	105	84	116	0			
1,1,1-Trichloroethane	9.998	0.50	10.00	0	100	80	124	0			
1,2-Dichloroethane	10.89	0.50	10.00	0	109	86	117	0			
Benzene	10.80	0.50	10.00	0	108	81	121	0			
Trichloroethene	9.577	0.50	10.00	0	95.8	74	123	0			
Toluene	10.90	0.50	10.00	0	109	88	117	0			
1,1,2-Trichloroethane	10.81	0.50	10.00	0	108	83	121	0			
Tetrachloroethene	9.810	0.50	10.00	0	98.1	74	115	0			
Chlorobenzene	10.60	0.50	10.00	0	106	83	112	0			
Ethylbenzene	10.48	0.50	10.00	0	105	87	110	0			
m,p-Xylene	21.74	0.50	20.00	0	109	87	114	0			
o-Xylene	10.74	0.50	10.00	0	107	84	114	0			
Surrogate: Dibromofluoromethane	11.17	0.50	10.00	0	112	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	11.34	0.50	10.00	0	113	79	115	0			
Surrogate: Toluene-d8	9.935	0.50	10.00	0	99.3	80	114	0			
Surrogate: Bromofluorobenzene	9.961	0.50	10.00	0	99.6	60	123	0			

0011

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 - AECOM
 Work Order: G2183
 Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

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

Sample ID: LCS-40495	SampType: LCS	TestCode: SW8260_25_W	Prep Date: 12/03/2008	Run ID: V6_081203A					
Client ID: LCS-40495	Batch ID: 40495	Units: µg/L	Analysis Date: 12/03/2008	SeqNo: 940871					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit
Vinyl chloride	13.42	0.50	10.00	0	134	77	120	0	S
Chloroethane	12.02	0.50	10.00	0	120	75	135	0	
1,1-Dichloroethene	11.43	0.50	10.00	0	114	81	125	0	
trans-1,2-Dichloroethene	10.99	0.50	10.00	0	110	60	137	0	
Methyl tert-butyl ether	8.527	0.50	10.00	0	85.3	61	134	0	
1,1-Dichloroethane	10.86	0.50	10.00	0	109	82	120	0	
cis-1,2-Dichloroethene	10.65	0.50	10.00	0	107	84	116	0	
1,1,1-Trichloroethane	10.36	0.50	10.00	0	104	80	124	0	
1,2-Dichloroethane	10.66	0.50	10.00	0	107	86	117	0	
Benzene	10.83	0.50	10.00	0	108	81	121	0	
Trichloroethene	10.22	0.50	10.00	0	102	74	123	0	
Toluene	10.97	0.50	10.00	0	110	88	117	0	
1,1,2-Trichloroethane	10.57	0.50	10.00	0	106	83	121	0	
Tetrachloroethene	10.87	0.50	10.00	0	109	74	115	0	
Chlorobenzene	11.09	0.50	10.00	0	111	83	112	0	
Ethylbenzene	10.98	0.50	10.00	0	110	87	110	0	
m,p-Xylene	22.59	0.50	20.00	0	113	87	114	0	
o-Xylene	11.30	0.50	10.00	0	113	84	114	0	
Surrogate: Dibromofluoromethane	10.51	0.50	10.00	0	105	88	124	0	
Surrogate: 1,2-Dichloroethane-d4	11.21	0.50	10.00	0	112	79	115	0	
Surrogate: Toluene-d8	9.875	0.50	10.00	0	98.8	80	114	0	
Surrogate: Bromofluorobenzene	9.899	0.50	10.00	0	99.0	60	123	0	

0012

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 - AECOM
 Work Order: G2183
 Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

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

Sample ID: LCSD-40459	SampType: LCSD	TestCode: SW8260_25_W	Prep Date: 12/02/2008	Run ID: V6_081202A							
Client ID: LCSD-40459	Batch ID: 40459	Units: µg/L	Analysis Date: 12/02/2008	SeqNo: 940378							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	11.70	0.50	10.00	0	117	77	120	9.178	24.2	40	
Chloroethane	8.846	0.50	10.00	0	88.5	75	135	11.58	26.7	40	
1,1-Dichloroethene	9.573	0.50	10.00	0	95.7	81	125	9.146	4.56	40	
trans-1,2-Dichloroethene	8.881	0.50	10.00	0	88.8	60	137	10.82	19.7	40	
Methyl tert-butyl ether	7.819	0.50	10.00	0	78.2	61	134	8.752	11.3	40	
1,1-Dichloroethane	9.387	0.50	10.00	0	93.9	82	120	10.96	15.5	40	
cis-1,2-Dichloroethene	8.751	0.50	10.00	0	87.5	84	116	10.46	17.8	40	
1,1,1,1-Trichloroethane	8.647	0.50	10.00	0	86.5	80	124	9.998	14.5	40	
1,1,2-Dichloroethane	9.377	0.50	10.00	0	93.8	86	117	10.89	14.9	40	
Benzene	9.311	0.50	10.00	0	93.1	81	121	10.80	14.8	40	
Trichloroethene	8.218	0.50	10.00	0	82.2	74	123	9.577	15.3	40	
Toluene	9.040	0.50	10.00	0	90.4	88	117	10.90	18.7	40	
1,1,1,2-Trichloroethane	9.072	0.50	10.00	0	90.7	83	121	10.81	17.5	40	
Tetrachloroethene	9.580	0.50	10.00	0	95.8	74	115	9.810	2.37	40	
Chlorobenzene	10.49	0.50	10.00	0	105	83	112	10.60	1.12	40	
Ethylbenzene	10.18	0.50	10.00	0	102	87	110	10.48	2.99	40	
m,p-Xylene	21.40	0.50	20.00	0	107	87	114	21.74	1.61	40	
o-Xylene	10.66	0.50	10.00	0	107	84	114	10.74	0.757	40	
Surrogate: Dibromofluoromethane	9.653	0.50	10.00	0	96.5	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.257	0.50	10.00	0	92.6	79	115	0			
Surrogate: Toluene-d8	10.81	0.50	10.00	0	108	80	114	0			
Surrogate: Bromofluorobenzene	9.579	0.50	10.00	0	95.8	60	123	0			

0010

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 - AECOM

Work Order: G2183

Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: LCSD-40495	SampType: LCSD	TestCode: SW8260_25_W	Prep Date: 12/03/2008	Run ID: V6_081203A		
Client ID: LCSD-40495	Batch ID: 40495	Units: µg/L	Analysis Date: 12/03/2008	SeqNo: 940872		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	RPD RefVal %RPD RPDLimit Qual
Vinyl chloride	7.848	0.50	10.00	0	78.5 77	13.42 52.4 40 R
Chloroethane	9.408	0.50	10.00	0	94.1 75	12.02 24.4 40
1,1-Dichloroethene	10.83	0.50	10.00	0	108 81	11.43 5.38 40
trans-1,2-Dichloroethene	10.20	0.50	10.00	0	102 60	10.99 7.48 40
Methyl tert-butyl ether	8.142	0.50	10.00	0	81.4 61	8.527 4.62 40
1,1-Dichloroethane	10.03	0.50	10.00	0	100 82	10.86 7.96 40
cis-1,2-Dichloroethene	9.080	0.50	10.00	0	90.8 84	10.65 15.9 40
1,1,1-Trichloroethane	9.494	0.50	10.00	0	94.9 80	10.36 8.72 40
1,2-Dichloroethane	9.654	0.50	10.00	0	96.5 86	10.66 9.95 40
Benzene	9.938	0.50	10.00	0	99.4 81	10.83 8.61 40
Trichloroethene	9.353	0.50	10.00	0	93.5 74	10.22 8.84 40
Toluene	9.926	0.50	10.00	0	99.3 88	10.97 10 40
1,1,2-Trichloroethane	9.890	0.50	10.00	0	98.9 83	10.57 6.65 40
Tetrachloroethene	10.25	0.50	10.00	0	102 74	10.87 5.86 40
Chlorobenzene	10.37	0.50	10.00	0	104 83	11.09 6.64 40
Ethylbenzene	10.28	0.50	10.00	0	103 87	10.98 6.61 40
m,p-Xylene	21.05	0.50	20.00	0	105 87	22.59 7.06 40
o-Xylene	10.48	0.50	10.00	0	105 84	11.30 7.52 40
Surrogate: Dibromofluoromethane	10.41	0.50	10.00	0	104 88	0
Surrogate: 1,2-Dichloroethane-d4	10.49	0.50	10.00	0	105 79	0
Surrogate: Toluene-d8	10.15	0.50	10.00	0	102 80	0
Surrogate: Bromofluorobenzene	10.04	0.50	10.00	0	100 60	123

0011

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: 10-Dec-08

Client: Earth Tech – AECOM
Client Sample ID: EFF112008
Lab ID: G2183-01

Project: NOW Corp. Site
Collection Date: 11/20/08 10:10

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	12/09/2008 0:00	40471

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: 10-Dec-08

Client: Earth Tech – AECOM

Client Sample ID: INF112008

Lab ID: G2183-02

Project: NOW Corp. Site

Collection Date: 11/20/08 10:20

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	12/09/2008 0:00	40471

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 - AECOM
Work Order: G2183
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT
E1664
EPA 1664 -- Oil & Grease, HEM

Sample ID: MB-40471	SampType: MBLK	TestCode: E1664	Prep Date: 12/3/2008	Run ID: MANUAL_081210A	
Client ID: MB-40471	Batch ID: 40471	Units: mg/L	Analysis Date: 12/9/2008	SeqNo: 946471	
Analyte		Result PQL	SPK Ref Val	SPK value	RPD Ref Val %RPD RPDLimit Qual
		ND			

Oil & Grease, Total Recoverable 5.0

Sample ID: LCS-40471	SampType: LCS	TestCode: E1664	Prep Date: 12/3/2008	Run ID: MANUAL_081210A	
Client ID: LCS-40471	Batch ID: 40471	Units: mg/L	Analysis Date: 12/9/2008	SeqNo: 946469	
Analyte		Result PQL	SPK Ref Val	SPK value	RPD Ref Val %RPD RPDLimit Qual
		41.80	0	40.00	0

Oil & Grease, Total Recoverable 5.0 78 114 0

Sample ID: LCSD-40471	SampType: LCSD	TestCode: E1664	Prep Date: 12/3/2008	Run ID: MANUAL_081210A	
Client ID: LCSD-40471	Batch ID: 40471	Units: mg/L	Analysis Date: 12/9/2008	SeqNo: 946470	
Analyte		Result PQL	SPK Ref Val	SPK value	RPD Ref Val %RPD RPDLimit Qual
		39.10	0	40.00	41.80 6.67 18

Oil & Grease, Total Recoverable 5.0 78 114 41.80 6.67 18

0017

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:** 09-Dec-08**Client:** Earth Tech – AECOM**Client Sample ID:** EFF112008**Lab ID:** G2183-01**Project:** NOW Corp. Site**Collection Date:** 11/20/08 10:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_W
Aluminum	ND		200	µg/L	1	12/04/2008 13:25	40501
Arsenic	ND		20	µg/L	1	12/04/2008 13:25	40501
Barium	ND		200	µg/L	1	12/04/2008 13:25	40501
Chromium	ND		20	µg/L	1	12/04/2008 13:25	40501
Copper	ND		25	µg/L	1	12/04/2008 13:25	40501
Iron	ND		200	µg/L	1	12/04/2008 13:25	40501
Manganese	ND		50	µg/L	1	12/04/2008 13:25	40501
Nickel	ND		50	µg/L	1	12/04/2008 13:25	40501
Zinc	ND		50	µg/L	1	12/04/2008 13:25	40501
SW846 7470 -- Mercury by FIA							SW7470
Mercury	ND		0.20	µg/L	1	12/04/2008 11:37	40505

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:** 09-Dec-08**Client:** Earth Tech – AECOM**Client Sample ID:** INF112008**Lab ID:** G2183-02**Project:** NOW Corp. Site**Collection Date:** 11/20/08 10:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_W
Aluminum	ND		200	µg/L	1	12/04/2008 13:28	40501
Arsenic	ND		20	µg/L	1	12/04/2008 13:28	40501
Barium	ND		200	µg/L	1	12/04/2008 13:28	40501
Chromium	ND		20	µg/L	1	12/04/2008 13:28	40501
Copper	ND		25	µg/L	1	12/04/2008 13:28	40501
Iron	ND		200	µg/L	1	12/04/2008 13:28	40501
Manganese	67		50	µg/L	1	12/04/2008 13:28	40501
Nickel	ND		50	µg/L	1	12/04/2008 13:28	40501
Zinc	ND		50	µg/L	1	12/04/2008 13:28	40501
SW846 7470 -- Mercury by FIA							SW7470
Mercury	ND		0.20	µg/L	1	12/04/2008 11:38	40505

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 – AECOM

Work Order: G2183

SW6010_W

Project: NOW Corp. Site

SW846 6010 -- Metals by ICP

Sample ID: MB-40501	SampType: MBLK	TestCode: SW6010_W	Prep Date: 12/3/2008	Run ID: OPTIMA2_081204B							
Client ID: MB-40501	Batch ID: 40501	Units: µg/L	Analysis Date: 12/4/2008	SeqNo: 944731							
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-40501	SampType: LCS	TestCode: SW6010_W	Prep Date: 12/3/2008	Run ID: OPTIMA2_081204B							
Client ID: LCS-40501	Batch ID: 40501	Units: µg/L	Analysis Date: 12/4/2008	SeqNo: 944732							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9588	200	9100	0	105	80	120	0			
Arsenic	505.6	20	455.0	0	111	80	120	0			
Barium	9471	200	9100	0	104	80	120	0			
Chromium	970.2	20	910.0	0	107	80	120	0			
Copper	1201	30	1130	0	106	80	120	0			
Iron	4959	200	4550	0	109	80	120	0			
Manganese	2453	50	2270	0	108	80	120	0			
Nickel	2404	50	2270	0	106	80	120	0			
Zinc	2427	50	2270	0	107	80	120	0			

0020

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 - AECOM
Work Order: G2183
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT
SW7470
SW846 7470 -- Mercury by FIA

Sample ID: MB-40505	SampType: MBLK	TestCode: SW7470	Prep Date: 12/3/2008	Run ID: FIMS1_081204B							
Client ID: MB-40505	Batch ID: 40505	Units: µg/L	Analysis Date: 12/4/2008	SeqNo: 942346							
Analyte		Result	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		ND					0.20				

Sample ID: LCS-40505	SampType: LCS	TestCode: SW7470	Prep Date: 12/3/2008	Run ID: FIMS1_081204B							
Client ID: LCS-40505	Batch ID: 40505	Units: µg/L	Analysis Date: 12/4/2008	SeqNo: 942347							
Analyte		Result	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		4.307	4.550	0	94.7	80	120			0	

0021

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: 02-Dec-08

Client: Earth Tech – AECOM

Client Sample ID: EFF112008

Lab ID: G2183-01

Project: NOW Corp. Site

Collection Date: 11/20/08 10:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							SM2540_TDS
Total Dissolved Solids	280		10	mg/L	1	11/24/2008 16:30	40332
SM 2540D -- TOTAL SUSPENDED SOLIDS							SM2540_TSS
Total Suspended Solids	ND		10	mg/L	1	11/24/2008 16:30	40333
SW846 9012 -- Total Cyanide							SW9012_W
Cyanide	ND		10	µg/L	1	12/01/2008 10:20	40360

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-Dec-08

Client: Earth Tech – AECOM

Client Sample ID: INF112008

Lab ID: G2183-02

Project: NOW Corp. Site

Collection Date: 11/20/08 10:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							SM2540_TDS
Total Dissolved Solids	320		10	mg/L	1	11/24/2008 16:30	40332
SM 2540D -- TOTAL SUSPENDED SOLIDS							SM2540_TSS
Total Suspended Solids	55		10	mg/L	1	11/24/2008 16:30	40333
SW846 9012 -- Total Cyanide							SW9012_W
Cyanide	ND		10	µg/L	1	12/01/2008 10:23	40360

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

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

0023

CLIENT: Earth Tech - AECOM
Work Order: G2183
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SM2540_TDS
SM 2540C -- TOTAL DISSOLVED SOLIDS

Sample ID: MB-40332	SampType: MBLK	TestCode: SM2540_TDS	Prep Date: 11/24/2008	Run ID: MANUAL_081124A	
Client ID: MB-40332	Batch ID: 40332	Units: mg/L	Analysis Date: 11/24/2008	SeqNo: 935914	
Analyte		Result	SPK Ref Val	%REC	LowLimit HighLimit
		ND			
Total Dissolved Solids		1084		99.4	80 120
Sample ID: LCS-40332	SampType: LCS	TestCode: SM2540_TDS	Prep Date: 11/24/2008	Run ID: MANUAL_081124A	
Client ID: LCS-40332	Batch ID: 40332	Units: mg/L	Analysis Date: 11/24/2008	SeqNo: 935915	
Analyte		Result	SPK Ref Val	%REC	LowLimit HighLimit
		1084			
Total Dissolved Solids		1084		99.4	80 120
Sample ID: G2183-02CDUP	SampType: DUP	TestCode: SM2540_TDS	Prep Date: 11/24/2008	Run ID: MANUAL_081124A	
Client ID: INF112008	Batch ID: 40332	Units: mg/L	Analysis Date: 11/24/2008	SeqNo: 935918	
Analyte		Result	SPK Ref Val	%REC	LowLimit HighLimit
		315.0			
Total Dissolved Solids		315.0		318.0	0.948 20

0025

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 -- AECOM

G2183

SM 2540D -- TOTAL SUSPENDED SOLIDS

OCE

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: Earth Tech - AECOM
Work Order: G2183
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT
SW9012_W
SW846 9012 -- Total Cyanide

Sample ID: MB-40360	SampType: MBLK	TestCode: SW9012_W	Prep Date: 11/25/2008	Run ID: LACHAT1_081201A
Client ID: MB-40360	Batch ID: 40360	Units: µg/L	Analysis Date: 12/1/2008	SeqNo: 938151
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Cyanide	ND	20	SPK value	RPD Ref Val %RPD RPDLimit Qual

Sample ID: LCS-40360	SampType: LCS	TestCode: SW9012_W	Prep Date: 11/25/2008	Run ID: LACHAT1_081201A
Client ID: LCS-40360	Batch ID: 40360	Units: µg/L	Analysis Date: 12/1/2008	SeqNo: 938152
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Cyanide	106.8	20	100.0	107 80 120 0

0026

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

21/Nov/08 11:41

WorkOrder: G2183

Client ID: EARTH_NY

Project: NOW Corp. Site

Location:

Comments: N/A

Case:

SDG:

PO: 94017.02

HC Due: 12/09/08

Fax Due:

Report Level: LEVEL 2

EDD:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G2183-01A	EFF112008	11/20/2008 10:10	11/21/2008	Aqueous	SW8260_25_W	use for VOCs, if can't, use OLC i	☐	☐	☒	VOA
G2183-01B	EFF112008	11/20/2008 10:10	11/21/2008	Aqueous	SW6010_W	See SEL list	☐	☐	☒	D3
					SW7470	See SEL list	☐	☐	☐	D3
G2183-01C	EFF112008	11/20/2008 10:10	11/21/2008	Aqueous	SM2540_TDS		☐	☐	☐	D3
					SM2540_TSS		☐	☐	☐	D3
G2183-01D	EFF112008	11/20/2008 10:10	11/21/2008	Aqueous	E1664		☐	☐	☐	D3
G2183-01E	EFF112008	11/20/2008 10:10	11/21/2008	Aqueous	SW9012_W		☐	☐	☒	D3
G2183-02A	INF112008	11/20/2008 10:20	11/21/2008	Aqueous	SW8260_25_W	use for VOCs, if can't, use OLC i	☐	☐	☒	VOA
G2183-02B	INF112008	11/20/2008 10:20	11/21/2008	Aqueous	SW6010_W	See SEL list	☐	☐	☒	D3
					SW7470	See SEL list	☐	☐	☐	D3
G2183-02C	INF112008	11/20/2008 10:20	11/21/2008	Aqueous	SM2540_TDS		☐	☐	☐	D3
					SM2540_TSS		☐	☐	☐	D3

Client Rep: Edward A Lawler

08197

Mitkem Laboratories

21/Nov/08 11:41

WorkOrder: G2183

Client ID: EARTH_NY

Project: NOW Corp. Site

Location:

Comments: N/A

Case:

SDG:

PO: 94017.02

HC Due: 12/09/08

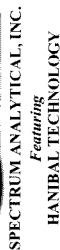
Fax Due:

Report Level: LEVEL 2

EDD:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G2183-02D	INF112008	11/20/2008 10:20	11/21/2008	Aqueous	E1664		☐	☐	☐	D3
G2183-02E	INF112008	11/20/2008 10:20	11/21/2008	Aqueous	SW9012_W		☐	☐	☒	D3
G2183-03A	TW-1	11/20/2008 10:30	11/21/2008	Aqueous	SW8260_25_W	use for VOCs, if can't, use OLC i	☐	☐	☒	VOA
G2183-04A	TW-2A	11/20/2008 10:35	11/21/2008	Aqueous	SW8260_25_W	use for VOCs, if can't, use OLC i	☐	☐	☒	VOA
G2183-05A	TW-3	11/20/2008 10:40	11/21/2008	Aqueous	SW8260_25_W	use for VOCs, if can't, use OLC i	☐	☐	☒	VOA
G2183-06A	TRIP BLANK	11/20/2008 0:00	11/21/2008	Aqueous	SW8260_25_W	use for VOCs, if can't, use OLC i	☐	☐	☒	VOA

Client Rep: Edward A Lawler



Page / of /

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: Steve Choiniere
Earth Tech / AECON
40 British American Blvd
Latham, NY 12110
 Project Mgr.: Steve Choiniere

Invoice To: Same

 P.O. No.: _____ RQN: _____

Project No.: 94017.02
 Site Name: Now Corp
 Location: Stattsburg State: NY
 Sampler(s): RKV

1=Na ₂ S ₂ O ₃ 2=HCl 3=H ₂ SO ₄ 4=HNO ₃ 5=NaOH 6=Ascorbic Acid 7=CH ₃ OH 8=NaHSO ₄ 9= <u>None</u> 10=											
DW=Drinking Water GW=Groundwater WW=Wastewater O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air X1= X2= X3=		G=Grab C=Composite		Preservative		Containers:		Analyses:		QA Reporting Notes: (check if needed)	
Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		
C2183	01 EFF112008	11/20/08	10:10	G	GW	2	2		3		
	02 INF112008		10:20			↓	↓		↓		
	03 TW-1		10:30			↓	↓		↓		
	04 TW-2A		10:35			↓	↓		↓		
	05 TW-3		10:40			↓	↓		↓		
	06 Trip Blank		—			↓	↓		↓		
Relinquished by: <u>Stu Day</u> Received by: <u>CP Padman</u> Date: <u>11/20/08</u> Time: <u>14:30</u>											
☐ Fax results when available to () ☐ E-mail to EDD Format Condition upon receipt: ☒ Iced ☐ Ambient ☒ 4											

MITKEM LABORATORIES
Sample Condition Form

Page 1 of 1

Received By: <u>CAN</u>		Reviewed By: <u>SN</u>		Date: <u>11/21/08</u>		MITKEM Workorder #: <u>62183</u>		
Client Project: <u>Nac Corp</u>				Client: <u>EARTHTECH</u>			Soil Headspace or Air Bubbles ≥ 1/4"	
				Preservation (pH)				
		Lab Sample ID	HNO ₃	H ₂ SO ₄	HCl	NaOH	H ₃ PO ₄	VOA Matrix
1) Cooler Sealed <u>Yes</u> / No		<u>62183</u> 01	<u>42</u>		<u>42</u>	<u>7/2</u>		<u>H</u>
		02	<u>42</u>		<u>42</u>	<u>7/2</u>		
2) Custody Seal(s) <u>Present</u> / Absent		03						
<u>Coolers</u> / Bottles		04						
<u>Intact</u> / Broken		05						
		<u>62183</u> 06						<u>H</u>
3) Custody Seal Number(s) <u>NA</u>								
4) Chain-of-Custody <u>Present</u> / Absent								
5) Cooler Temperature <u>4°C</u>								
Coolant Condition <u>ICE</u>								
6) Airbill(s) <u>Present</u> / Absent								
Airbill Number(s) <u>Fed Ex</u>								
<u>865999033011</u>								
7) Sample Bottles <u>Intact</u> / Broken / Leaking								
8) Date Received <u>11/21/08</u>								
9) Time Received <u>8:44</u>								
Preservative Name/Lot No:								

VOA Matrix Key:

US = Unpreserved Soil	A = Air
UA = Unpreserved Aqu.	H = HCl
M = MeOH	E = Encore
N = NaHSO ₄	F = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes/ no

Last Page of Data Report