

**Operation, Maintenance and Monitoring Report  
April 2010**

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

**Work Assignment No.  
D004445-4.1**

Prepared for:

SUPERFUND STANDBY PROGRAM  
New York State  
Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233

Prepared by:

AECOM Technical Services Northeast, Inc.  
40 British American Boulevard  
Latham, New York 12110

June 2010

June 17, 2010

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

**Re: NOW Corporation - Site #3-14-008  
O&M Summary Report: "April" 2010**

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 27-day period (**March 24 – April 20, 2009**).

With the exceptions noted below, if any, the P&T system was online and operational throughout the reporting period. Approximately 838,000 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 31,000 gallons per day (gpd), essentially unchanged from the prior reporting period.

As of the last day of the reporting period, a total of 77,988,000 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 April 20, 2010. **The effluent limitation was not exceeded for any analytes.** A copy of the analytical laboratory report is attached. Table 2 summarizes selected operational data recorded on the sampling date.

AECOM 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 March 24 service visit was described in the previous report. Details for the current period follow:

April 20 – Monthly O&M service visit. Replaced bad pressure gauge on TW-1.

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,  
AECOM Technical Services Northeast, Inc.



Stephen R. Choiniere  
Project Manager

**Table 1**  
**Summary of Influent and Effluent Data**  
**Sampling Date: April 20, 2010**  
**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		31,048				Monitor	gpd
pH	7.1	6.9				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	<b>230</b>	<b>250</b>	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	<b>61 J</b>	<b>58 J</b>	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	<b>83 BJ</b>	NA	NA	NA	600	ug/L
Mercury	<0.20	<0.20	NA	NA	NA	0.8	ug/L
Manganese	<b>57 B</b>	<b>41 BJ</b>	NA	NA	NA	600	ug/L
Nickel	<b>1.2 J</b>	<b>1.2 J</b>	NA	NA	NA	200	ug/L
Zinc	<b>13 J</b>	<b>12 J</b>	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	<b>190</b>	<0.50	<b>5.1</b>	<b>260</b>	<b>1.5</b>	5	ug/L
1,1,2-Trichloroethane	<10	<0.50	<2.5	<10	<0.50	1.2	ug/L
1,1-Dichloroethane	<b>83</b>	<0.50	<b>41</b>	<b>100</b>	<b>6.3</b>	5	ug/L
1,1-Dichloroethene	<b>12</b>	<0.50	<b>8.6</b>	<b>11</b>	<b>0.67</b>	0.5	ug/L
1,2-Dichloroethane	<10	<0.50	<2.5	<10	<0.50	1.6	ug/L
Benzene	<10	<0.50	<2.5	<10	<0.50	0.8	ug/L
Chlorobenzene	<10	<0.50	<2.5	<10	<0.50	5	ug/L
Chloroethane	<10	<0.50	<2.5	<10	<0.50	5	ug/L
cis-1,2-Dichloroethene	<10	<0.50	<b>7.1</b>	<b>8 J</b>	<0.50	5	ug/L
Ethylbenzene	<10	<0.50	<2.5	<10	<0.50	5	ug/L
Methyl tert-butyl ether	<10	<0.50	<2.5	<10	<0.50	5	ug/L
o-Xylene	<10	<0.50	<2.5	<10	<0.50	5	ug/L
p&m-Xylene	<10	<0.50	<2.5	<10	<0.50	10	ug/L
Tetrachloroethene	<10	<0.50	<2.5	<10	<0.50	1.4	ug/L
Toluene	<10	<0.50	<2.5	<10	<0.50	5	ug/L
trans-1,2-Dichloroethene	<10	<0.50	<2.5	<10	<0.50	5	ug/L
Trichloroethene	<b>210</b>	<0.50	<b>83</b>	<b>270</b>	<b>5.4</b>	5	ug/L
Vinyl Chloride	<10	<0.50	<2.5	<10	<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 reporting limit (RL).
- 5) "D" denotes analytical result for a diluted sample.
- 6) "B" denotes metal detected in method blank at concentration below the RL, but above the method detection limit.

**Table 2**  
**Summary of April 2010 O&M Data**

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

<b>Instrumentation/Readings:</b>		<b>4/20/10</b>	<b>Units</b>
<b><i>TW-1</i></b>			
	Pumping Rate	3	GPM
	Water Level Above Transducer	30.10	feet
	Flow Meter Reading	5,518,900	gallons
	Pump Pressure	75	psi
<b><i>TW-2A</i></b>			
	Pumping Rate	14	GPM
	Water Level Above Transducer	55.57	feet
	Flow Meter Reading	16,583,900	gallons
	Pump Pressure	28	psi
<b><i>TW-3</i></b>			
	Pumping Rate	5	GPM
	Water Level Above Transducer	25.42	feet
	Flow Meter Reading	7,924,200	gallons
	Pump Pressure	55	psi
<b><i>Air Stripper</i></b>			
	Stripper Blower Pressure	18	inches H <sub>2</sub> O
	Air Temperature in Stripper	48	°F
	Pressure Gauge - Left Leg	1.0	inches H <sub>2</sub> O
	Pressure Gauge - Right Leg	0.2	inches H <sub>2</sub> O
<b><i>Effluent Flow</i></b>			
	Effluent Flow this period (calculated)	838,300	gallons
	Total Effluent Flow (calculated)	77,988,200	gallons

Report Date:  
19-May-10 15:36



- ☒ Final Report  
☐ Re-Issued Report  
☐ Revised Report

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## Laboratory Report

AECOM Technical Services, Inc.  
40 British American Boulevard  
Latham, NY 12110

Work Order: J0808  
Project : NOW Corp. Site  
Project #:

Attn: Stephen Choiniere

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
J0808-01	EFF042010	Aqueous	20-Apr-10 11:10	21-Apr-10 09:00
J0808-02	INF042010	Aqueous	20-Apr-10 11:20	21-Apr-10 09:00
J0808-03	TW-1	Aqueous	20-Apr-10 11:25	21-Apr-10 09:00
J0808-04	TW-2A	Aqueous	20-Apr-10 11:30	21-Apr-10 09:00
J0808-05	TW-3	Aqueous	20-Apr-10 11:35	21-Apr-10 09:00
J0808-06	TRIP BLANK	Aqueous	20-Apr-10 00:00	21-Apr-10 09:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received.

All applicable NELAC or USEPA CLP requirements have been met.

Mitkem Laboratories is accredited under the National Environmental Laboratory Approval Program (NELAP) and is certified by several States, as well as USEPA and US Department of Defense. The current list of our laboratory approvals and certifications is available on the Certifications page our web site at [www.mitkem.com](http://www.mitkem.com).

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
Texas	T104704422-08-TX
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-05-030



Authorized by:

A handwritten signature in black ink, likely belonging to Yihai Ding.

Yihai Ding  
Laboratory Director

Technical Reviewer's Initials:

Handwritten initials 'YD' in black ink.

Report of Laboratory Analyses for AECOM Technical Services

Client Project: NOW Corp. 94017.02, 02/10

Mitkem Work Order ID: J0808

May 19, 2010

Prepared For: AECOM Technical Services  
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: AECOM Technical Services**

**Client Project: NOW Corp, 94017.02, 03/10**

**Lab Work Order: J0808**

**Date samples received: 04/21/10**

### **Project Narrative**

This data report includes the analysis results for six (6) aqueous samples that were received from AECOM Technical Services on April 21, 2010. 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.

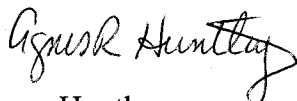
Surrogate recoveries were within the QC limits for volatile organic analyses. Percent recoveries in laboratory control sample were within the QC limits with the exception high recovery vinyl chloride, ethylbenzene, m,p-xylene and o-xylene. The following samples were analyzed at dilution: INF042010 (20x), TW-1 (5x) and TW-2A (20x).

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. Duplicate analysis was performed on sample INF042010 for total suspended solids. Percent RPD was within the QC limits. Several elements were detected below the reporting limit but above the method detection limit in method blank MB-51426 for metals analyses. Where these elements are also detected in a sample, their concentrations are qualified with a "B" on data sheets. Please note that these concentrations in the sample were also below the reporting limit.

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.



Agnes Huntley  
CLP Project Manager

**Mitkem Laboratories**

Date: 12-May-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF042010

Project: NOW Corp. Site

Lab ID: J0808-01

Collection Date: 04/20/10 11:10

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	05/04/2010 12:08	51296
Chloroethane	ND		0.50	µg/L	1	05/04/2010 12:08	51296
1,1-Dichloroethene	ND		0.50	µg/L	1	05/04/2010 12:08	51296
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	05/04/2010 12:08	51296
Methyl tert-butyl ether	ND		0.50	µg/L	1	05/04/2010 12:08	51296
1,1-Dichloroethane	ND		0.50	µg/L	1	05/04/2010 12:08	51296
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	05/04/2010 12:08	51296
1,1,1-Trichloroethane	ND		0.50	µg/L	1	05/04/2010 12:08	51296
1,2-Dichloroethane	ND		0.50	µg/L	1	05/04/2010 12:08	51296
Benzene	ND		0.50	µg/L	1	05/04/2010 12:08	51296
Trichloroethene	ND		0.50	µg/L	1	05/04/2010 12:08	51296
Toluene	ND		0.50	µg/L	1	05/04/2010 12:08	51296
1,1,2-Trichloroethane	ND		0.50	µg/L	1	05/04/2010 12:08	51296
Tetrachloroethene	ND		0.50	µg/L	1	05/04/2010 12:08	51296
Chlorobenzene	ND		0.50	µg/L	1	05/04/2010 12:08	51296
Ethylbenzene	ND		0.50	µg/L	1	05/04/2010 12:08	51296
m,p-Xylene	ND		0.50	µg/L	1	05/04/2010 12:08	51296
o-Xylene	ND		0.50	µg/L	1	05/04/2010 12:08	51296
Surrogate: Dibromofluoromethane	100		88-124	%REC	1	05/04/2010 12:08	51296
Surrogate: 1,2-Dichloroethane-d4	91.4		79-115	%REC	1	05/04/2010 12:08	51296
Surrogate: Toluene-d8	100		80-114	%REC	1	05/04/2010 12:08	51296
Surrogate: Bromofluorobenzene	70.8		60-123	%REC	1	05/04/2010 12:08	51296

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: 12-May-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF042010

Lab ID: J0808-02

Project: NOW Corp. Site

Collection Date: 04/20/10 11:20

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		10	µg/L	20	05/04/2010 12:38	51296
Chloroethane	ND		10	µg/L	20	05/04/2010 12:38	51296
1,1-Dichloroethene	12		10	µg/L	20	05/04/2010 12:38	51296
trans-1,2-Dichloroethene	ND		10	µg/L	20	05/04/2010 12:38	51296
Methyl tert-butyl ether	ND		10	µg/L	20	05/04/2010 12:38	51296
1,1-Dichloroethane	83		10	µg/L	20	05/04/2010 12:38	51296
cis-1,2-Dichloroethene	ND		10	µg/L	20	05/04/2010 12:38	51296
1,1,1-Trichloroethane	190		10	µg/L	20	05/04/2010 12:38	51296
1,2-Dichloroethane	ND		10	µg/L	20	05/04/2010 12:38	51296
Benzene	ND		10	µg/L	20	05/04/2010 12:38	51296
Trichloroethene	210		10	µg/L	20	05/04/2010 12:38	51296
Toluene	ND		10	µg/L	20	05/04/2010 12:38	51296
1,1,2-Trichloroethane	ND		10	µg/L	20	05/04/2010 12:38	51296
Tetrachloroethene	ND		10	µg/L	20	05/04/2010 12:38	51296
Chlorobenzene	ND		10	µg/L	20	05/04/2010 12:38	51296
Ethylbenzene	ND		10	µg/L	20	05/04/2010 12:38	51296
m,p-Xylene	ND		10	µg/L	20	05/04/2010 12:38	51296
o-Xylene	ND		10	µg/L	20	05/04/2010 12:38	51296
Surrogate: Dibromofluoromethane	99.9		88-124	%REC	20	05/04/2010 12:38	51296
Surrogate: 1,2-Dichloroethane-d4	94.2		79-115	%REC	20	05/04/2010 12:38	51296
Surrogate: Toluene-d8	101		80-114	%REC	20	05/04/2010 12:38	51296
Surrogate: Bromofluorobenzene	69.8		60-123	%REC	20	05/04/2010 12:38	51296

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:** 12-May-10**Client:** AECOM Technical Services, Inc.**Client Sample ID:** TW-1**Project:** NOW Corp. Site**Lab ID:** J0808-03**Collection Date:** 04/20/10 11:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		2.5	µg/L	5	05/04/2010 17:46	51296
Chloroethane	ND		2.5	µg/L	5	05/04/2010 17:46	51296
1,1-Dichloroethene	8.6		2.5	µg/L	5	05/04/2010 17:46	51296
trans-1,2-Dichloroethene	ND		2.5	µg/L	5	05/04/2010 17:46	51296
Methyl tert-butyl ether	ND		2.5	µg/L	5	05/04/2010 17:46	51296
1,1-Dichloroethane	41		2.5	µg/L	5	05/04/2010 17:46	51296
cis-1,2-Dichloroethene	7.1		2.5	µg/L	5	05/04/2010 17:46	51296
1,1,1-Trichloroethane	5.1		2.5	µg/L	5	05/04/2010 17:46	51296
1,2-Dichloroethane	ND		2.5	µg/L	5	05/04/2010 17:46	51296
Benzene	ND		2.5	µg/L	5	05/04/2010 17:46	51296
Trichloroethene	83		2.5	µg/L	5	05/04/2010 17:46	51296
Toluene	ND		2.5	µg/L	5	05/04/2010 17:46	51296
1,1,2-Trichloroethane	ND		2.5	µg/L	5	05/04/2010 17:46	51296
Tetrachloroethene	ND		2.5	µg/L	5	05/04/2010 17:46	51296
Chlorobenzene	ND		2.5	µg/L	5	05/04/2010 17:46	51296
Ethylbenzene	ND		2.5	µg/L	5	05/04/2010 17:46	51296
m,p-Xylene	ND		2.5	µg/L	5	05/04/2010 17:46	51296
o-Xylene	ND		2.5	µg/L	5	05/04/2010 17:46	51296
Surrogate: Dibromofluoromethane	99.8		88-124	%REC	5	05/04/2010 17:46	51296
Surrogate: 1,2-Dichloroethane-d4	93.1		79-115	%REC	5	05/04/2010 17:46	51296
Surrogate: Toluene-d8	97.9		80-114	%REC	5	05/04/2010 17:46	51296
Surrogate: Bromofluorobenzene	72.0		60-123	%REC	5	05/04/2010 17:46	51296

**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: 12-May-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-2A

Project: NOW Corp. Site

Lab ID: J0808-04

Collection Date: 04/20/10 11:30

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		10	µg/L		20 05/04/2010 13:40	51296
Chloroethane	ND		10	µg/L		20 05/04/2010 13:40	51296
1,1-Dichloroethene	11		10	µg/L		20 05/04/2010 13:40	51296
trans-1,2-Dichloroethene	ND		10	µg/L		20 05/04/2010 13:40	51296
Methyl tert-butyl ether	ND		10	µg/L		20 05/04/2010 13:40	51296
1,1-Dichloroethane	100		10	µg/L		20 05/04/2010 13:40	51296
cis-1,2-Dichloroethene	8.0	J	10	µg/L		20 05/04/2010 13:40	51296
1,1,1-Trichloroethane	260		10	µg/L		20 05/04/2010 13:40	51296
1,2-Dichloroethane	ND		10	µg/L		20 05/04/2010 13:40	51296
Benzene	ND		10	µg/L		20 05/04/2010 13:40	51296
Trichloroethene	270		10	µg/L		20 05/04/2010 13:40	51296
Toluene	ND		10	µg/L		20 05/04/2010 13:40	51296
1,1,2-Trichloroethane	ND		10	µg/L		20 05/04/2010 13:40	51296
Tetrachloroethene	ND		10	µg/L		20 05/04/2010 13:40	51296
Chlorobenzene	ND		10	µg/L		20 05/04/2010 13:40	51296
Ethylbenzene	ND		10	µg/L		20 05/04/2010 13:40	51296
m,p-Xylene	ND		10	µg/L		20 05/04/2010 13:40	51296
o-Xylene	ND		10	µg/L		20 05/04/2010 13:40	51296
Surrogate: Dibromofluoromethane	101		88-124	%REC		20 05/04/2010 13:40	51296
Surrogate: 1,2-Dichloroethane-d4	92.9		79-115	%REC		20 05/04/2010 13:40	51296
Surrogate: Toluene-d8	100		80-114	%REC		20 05/04/2010 13:40	51296
Surrogate: Bromofluorobenzene	72.5		60-123	%REC		20 05/04/2010 13:40	51296

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:** 12-May-10**Client:** AECOM Technical Services, Inc.**Client Sample ID:** TW-3**Project:** NOW Corp. Site**Lab ID:** J0808-05**Collection Date:** 04/20/10 11:35

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		0.50	µg/L	1	05/04/2010 14:11	51296
Chloroethane	ND		0.50	µg/L	1	05/04/2010 14:11	51296
1,1-Dichloroethene	0.67		0.50	µg/L	1	05/04/2010 14:11	51296
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	05/04/2010 14:11	51296
Methyl tert-butyl ether	ND		0.50	µg/L	1	05/04/2010 14:11	51296
1,1-Dichloroethane	6.3		0.50	µg/L	1	05/04/2010 14:11	51296
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	05/04/2010 14:11	51296
1,1,1-Trichloroethane	1.5		0.50	µg/L	1	05/04/2010 14:11	51296
1,2-Dichloroethane	ND		0.50	µg/L	1	05/04/2010 14:11	51296
Benzene	ND		0.50	µg/L	1	05/04/2010 14:11	51296
Trichloroethene	5.4		0.50	µg/L	1	05/04/2010 14:11	51296
Toluene	ND		0.50	µg/L	1	05/04/2010 14:11	51296
1,1,2-Trichloroethane	ND		0.50	µg/L	1	05/04/2010 14:11	51296
Tetrachloroethene	ND		0.50	µg/L	1	05/04/2010 14:11	51296
Chlorobenzene	ND		0.50	µg/L	1	05/04/2010 14:11	51296
Ethylbenzene	ND		0.50	µg/L	1	05/04/2010 14:11	51296
m,p-Xylene	ND		0.50	µg/L	1	05/04/2010 14:11	51296
o-Xylene	ND		0.50	µg/L	1	05/04/2010 14:11	51296
Surrogate: Dibromofluoromethane	105		88-124	%REC	1	05/04/2010 14:11	51296
Surrogate: 1,2-Dichloroethane-d4	91.8		79-115	%REC	1	05/04/2010 14:11	51296
Surrogate: Toluene-d8	98.3		80-114	%REC	1	05/04/2010 14:11	51296
Surrogate: Bromofluorobenzene	70.0		60-123	%REC	1	05/04/2010 14:11	51296

**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: 12-May-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TRIP BLANK

Lab ID: J0808-06

Project: NOW Corp. Site

Collection Date: 04/20/10 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	05/04/2010 14:41	51296
Chloroethane	ND		0.50	µg/L	1	05/04/2010 14:41	51296
1,1-Dichloroethene	ND		0.50	µg/L	1	05/04/2010 14:41	51296
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	05/04/2010 14:41	51296
Methyl tert-butyl ether	ND		0.50	µg/L	1	05/04/2010 14:41	51296
1,1-Dichloroethane	ND		0.50	µg/L	1	05/04/2010 14:41	51296
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	05/04/2010 14:41	51296
1,1,1-Trichloroethane	ND		0.50	µg/L	1	05/04/2010 14:41	51296
1,2-Dichloroethane	ND		0.50	µg/L	1	05/04/2010 14:41	51296
Benzene	ND		0.50	µg/L	1	05/04/2010 14:41	51296
Trichloroethene	ND		0.50	µg/L	1	05/04/2010 14:41	51296
Toluene	ND		0.50	µg/L	1	05/04/2010 14:41	51296
1,1,2-Trichloroethane	ND		0.50	µg/L	1	05/04/2010 14:41	51296
Tetrachloroethene	ND		0.50	µg/L	1	05/04/2010 14:41	51296
Chlorobenzene	ND		0.50	µg/L	1	05/04/2010 14:41	51296
Ethylbenzene	ND		0.50	µg/L	1	05/04/2010 14:41	51296
m,p-Xylene	ND		0.50	µg/L	1	05/04/2010 14:41	51296
o-Xylene	ND		0.50	µg/L	1	05/04/2010 14:41	51296
Surrogate: Dibromofluoromethane	100		88-124	%REC	1	05/04/2010 14:41	51296
Surrogate: 1,2-Dichloroethane-d4	93.5		79-115	%REC	1	05/04/2010 14:41	51296
Surrogate: Toluene-d8	99.2		80-114	%REC	1	05/04/2010 14:41	51296
Surrogate: Bromofluorobenzene	70.9		60-123	%REC	1	05/04/2010 14:41	51296

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: AECOM Technical Services, Inc.

Work Order: J0808

SW8260\_25\_W

Project: NOW Corp. Site

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

Sample ID: MB-51296	SampType: MBLK	TestCode: SW8260_25_W	Prep Date: 05/03/10 21:51	Run ID: V6_100504A							
Client ID: MB-51296	Batch ID: 51296	Units: µg/L	Analysis Date: 05/04/10 11:37	SeqNo: 1278675							
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	10.13	0.50	10.00	0	101	88	124		0		
Surrogate: 1,2-Dichloroethane-d4	9.457	0.50	10.00	0	94.6	79	115		0		
Surrogate: Toluene-d8	9.983	0.50	10.00	0	99.8	80	114		0		
Surrogate: Bromofluorobenzene	7.247	0.50	10.00	0	72.5	60	123		0		

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Qualifiers: ND - Not Detected at the Reporting Limit

mLIMS-001 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: AECOM Technical Services, Inc.  
 Work Order: J0808  
 Project: NOW Corp. Site

# ANALYTICAL QC SUMMARY REPORT

SW8260\_25\_W  
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID: LCS-51296	SampType: LCS	TestCode: SW8260_25_W	Prep Date: 05/03/10 21:51	Run ID: V6_100504A							
Client ID: LCS-51296	Batch ID: 51296	Units: µg/L	Analysis Date: 05/04/10 10:36	SeqNo: 1278674							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	12.49	0.50	10.00	0	125	77	120	0			S
Chloroethane	10.90	0.50	10.00	0	109	75	135	0			
1,1-Dichloroethene	10.59	0.50	10.00	0	106	81	125	0			
trans-1,2-Dichloroethene	10.50	0.50	10.00	0	105	60	137	0			
Methyl tert-butyl ether	10.09	0.50	10.00	0	101	61	134	0			
1,1-Dichloroethane	10.21	0.50	10.00	0	102	82	120	0			
cis-1,2-Dichloroethene	10.60	0.50	10.00	0	106	84	116	0			
1,1,1-Trichloroethane	10.26	0.50	10.00	0	103	80	124	0			
1,2-Dichloroethane	9.875	0.50	10.00	0	98.7	86	117	0			
Benzene	10.53	0.50	10.00	0	105	81	121	0			
Trichloroethene	10.43	0.50	10.00	0	104	74	123	0			
Toluene	10.38	0.50	10.00	0	104	88	117	0			
1,1,2-Trichloroethane	10.24	0.50	10.00	0	102	83	121	0			
Tetrachloroethene	10.96	0.50	10.00	0	110	74	115	0			
Chlorobenzene	10.77	0.50	10.00	0	108	83	112	0			
Ethylbenzene	11.51	0.50	10.00	0	115	87	110	0			S
m,p-Xylene	23.36	0.50	20.00	0	117	87	114	0			S
o-Xylene	12.08	0.50	10.00	0	121	84	114	0			S
Surrogate: Dibromofluoromethane	9.684	0.50	10.00	0	96.8	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	10.17	0.50	10.00	0	102	79	115	0			
Surrogate: Toluene-d8	10.22	0.50	10.00	0	102	80	114	0			
Surrogate: Bromofluorobenzene	10.17	0.50	10.00	0	102	60	123	0			

0010

Qualifiers: ND - Not Detected at the Reporting Limit  
 mLIMS-001 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:** 07-May-10**Client:** AECOM Technical Services, Inc.**Client Sample ID:** EFF042010**Lab ID:** J0808-01**Project:** NOW Corp. Site**Collection Date:** 04/20/10 11:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>EPA 1664 -- Oil &amp; Grease, HEM</b>							<b>E1664</b>
Oil & Grease, Total Recoverable	ND		5.0	mg/L		105/07/2010 0:00	51315

**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:** 07-May-10**Client:** AECOM Technical Services, Inc.**Client Sample ID:** INF042010**Lab ID:** J0808-02**Project:** NOW Corp. Site**Collection Date:** 04/20/10 11:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>EPA 1664 -- Oil &amp; Grease, HEM</b>							<b>E1664</b>
Oil & Grease, Total Recoverable	ND		5.0	mg/L		105/07/2010 0:00	51315

**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: AECOM Technical Services, Inc.

Work Order: J0808

E1664

Project: NOW Corp. Site

EPA 1664 -- Oil &amp; Grease, HEM

Sample ID: MB-51315	SampType: MBLK	TestCode: E1664	Prep Date: 05/05/10 7:48	Run ID: MANUAL_100507A	
Client ID: MB-51315	Batch ID: 51315	Units: mg/L	Analysis Date: 05/07/10 0:00	SeqNo: 1279969	
Analyte		Result	SPK Ref Val	SPK value	RPD Ref Val
Oil & Grease, Total Recoverable		ND		5.0	%RPD RPDLimit Qual
Sample ID: LCS-51315	SampType: LCS	TestCode: E1664	Prep Date: 05/05/10 7:48	Run ID: MANUAL_100507A	
Client ID: LCS-51315	Batch ID: 51315	Units: mg/L	Analysis Date: 05/07/10 0:00	SeqNo: 1279967	
Analyte		Result	SPK Ref Val	SPK value	RPD Ref Val
Oil & Grease, Total Recoverable		32.90	0	40.00	%RPD RPDLimit Qual
Sample ID: LCSD-51315	SampType: LCSD	TestCode: E1664	Prep Date: 05/05/10 7:48	Run ID: MANUAL_100507A	
Client ID: LCSD-51315	Batch ID: 51315	Units: mg/L	Analysis Date: 05/07/10 0:00	SeqNo: 1279968	
Analyte		Result	SPK Ref Val	SPK value	RPD Ref Val
Oil & Grease, Total Recoverable		33.40	0	40.00	%RPD RPDLimit Qual
			82.3	78	114
			83.5	78	114
			32.90	1.51	18

0013

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

mLIMS-001

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

**Mitkem Laboratories****Date:** 17-May-10**Client:** AECOM Technical Services, Inc.**Client Sample ID:** EFF042010**Lab ID:** J0808-01**Project:** NOW Corp. Site**Collection Date:** 04/20/10 11:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 6010 -- Metals by ICP</b>							<b>SW6010_W</b>
Aluminum	ND		200	µg/L	1	05/11/2010 7:54	51426
Arsenic	ND		20	µg/L	1	05/11/2010 7:54	51426
Barium	58	J	200	µg/L	1	05/11/2010 7:54	51426
Chromium	ND		20	µg/L	1	05/11/2010 7:54	51426
Copper	ND		25	µg/L	1	05/11/2010 7:54	51426
Iron	83	BJ	200	µg/L	1	05/11/2010 7:54	51426
Manganese	41	BJ	50	µg/L	1	05/11/2010 7:54	51426
Nickel	1.2	J	50	µg/L	1	05/11/2010 7:54	51426
Zinc	12	J	50	µg/L	1	05/11/2010 7:54	51426
<b>SW846 7470 -- Mercury by FIA</b>							<b>SW7470</b>
Mercury	ND		0.20	µg/L	1	05/07/2010 12:01	51366

**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: 17-May-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF042010

Lab ID: J0808-02

Project: NOW Corp. Site

Collection Date: 04/20/10 11:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 6010 -- Metals by ICP</b>							<b>SW6010_W</b>
Aluminum	ND		200	µg/L	1	05/11/2010 7:57	51426
Arsenic	ND		20	µg/L	1	05/11/2010 7:57	51426
Barium	61	J	200	µg/L	1	05/11/2010 7:57	51426
Chromium	ND		20	µg/L	1	05/11/2010 7:57	51426
Copper	ND		25	µg/L	1	05/11/2010 7:57	51426
Iron	ND		200	µg/L	1	05/11/2010 7:57	51426
Manganese	57	B	50	µg/L	1	05/11/2010 7:57	51426
Nickel	1.2	J	50	µg/L	1	05/11/2010 7:57	51426
Zinc	13	J	50	µg/L	1	05/11/2010 7:57	51426
<b>SW846 7470 -- Mercury by FIA</b>							<b>SW7470</b>
Mercury	ND		0.20	µg/L	1	05/07/2010 12:02	51366

**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: AECOM Technical Services, Inc.

Work Order: J0808

SW6010\_W

Project: NOW Corp. Site

SW846 6010 -- Metals by ICP

Sample ID: MB-51426	SampType: MBLK	TestCode: SW6010_W	Prep Date: 05/07/10 14:00	Run ID: OPTIMA2_100511A				
Client ID: MB-51426	Batch ID: 51426	Units: µg/L	Analysis Date: 05/11/10 7:46	SeqNo: 1281867				
Analyte	Result	MDL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Aluminum	43.15	12	200					J
Arsenic	ND	3.1	20					
Barium	ND	2.9	200					
Chromium	ND	0.50	20					
Copper	ND	4.7	30					
Iron	56.79	47	200					J
Manganese	13.99	3.5	50					J
Nickel	ND	0.64	50					
Zinc	ND	7.0	50					

Sample ID: LCS-51426	SampType: LCS	TestCode: SW6010_W		Prep Date: 05/07/10 14:00	Run ID: OPTIMA2_100511A				
Client ID: LCS-51426	Batch ID: 51426	Units: µg/L		Analysis Date: 05/11/10 7:48	SeqNo: 1281868				
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Aluminum	9736	12	200	9100	0	107	80	120	B
Arsenic	494.7	3.1	20	455.0	0	109	80	120	
Barium	9887	2.9	200	9100	0	109	80	120	
Chromium	989.8	0.50	20	910.0	0	109	80	120	
Copper	1240	4.7	30	1130	0	110	80	120	
Iron	5120	47	200	4550	0	113	80	120	B
Manganese	2360	3.5	50	2270	0	104	80	120	B
Nickel	2375	0.64	50	2270	0	105	80	120	
Zinc	2478	7.0	50	2270	0	109	80	120	

Qualifiers:

ND - Not Detected at the Reporting Limit

mLIMS-002

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: AECOM Technical Services, Inc. ANALYTICAL QC SUMMARY REPORT  
 Work Order: J0808 SW6010\_W  
 Project: NOW Corp. Site SW846 6010 -- Metals by ICP

Sample ID: LCSD-51426		SampType: LCSD		TestCode: SW6010_W		Prep Date: 05/07/10 14:00		Run ID: OPTIMA2_100511A				
Client ID: LCSD-51426		Batch ID: 51426		Units: µg/L		Analysis Date: 05/11/10 7:51		SeqNo: 1281870				
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9425	12	200	9100	0	104	80	120	9736	3.24	20	B
Arsenic	490.2	3.1	20	455.0	0	108	80	120	494.7	0.93	20	
Barium	9589	2.9	200	9100	0	105	80	120	9887	3.05	20	
Chromium	959.8	0.50	20	910.0	0	105	80	120	989.8	3.08	20	
Copper	1202	4.7	30	1130	0	106	80	120	1240	3.13	20	
Iron	4969	47	200	4550	0	109	80	120	5120	2.99	20	B
Manganese	2291	3.5	50	2270	0	101	80	120	2360	2.96	20	B
Nickel	2313	0.64	50	2270	0	102	80	120	2375	2.61	20	
Zinc	2424	7.0	50	2270	0	107	80	120	2478	2.21	20	

0017

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank  
 mLIMS-002 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.  
Work Order: J0808  
Project: NOW Corp. Site

SW7470  
SW846 7470 -- Mercury by FIA

Sample ID: MB-51366	SampType: MBLK	TestCode: SW7470	Prep Date: 05/06/10 16:10	Run ID: FIMS1_100507A
Client ID: MB-51366	Batch ID: 51366	Units: µg/L	Analysis Date: 05/07/10 11:43	SeqNo: 1279978
Analyte	Result	MDL	SPK value	SPK Ref Val
Mercury	ND	0.056	0.20	RPD Ref Val
				%RPD RPDLimit
				Qual

Sample ID: LCS-51366	SampType: LCS	TestCode: SW7470	Prep Date: 05/06/10 16:10	Run ID: FIMS1_100507A
Client ID: LCS-51366	Batch ID: 51366	Units: µg/L	Analysis Date: 05/07/10 11:44	SeqNo: 1279980
Analyte	Result	MDL	SPK value	SPK Ref Val
Mercury	4.523	0.056	0.20	RPD Ref Val
				%RPD RPDLimit
				Qual

Sample ID: LCSD-51366	SampType: LCSD	TestCode: SW7470	Prep Date: 05/06/10 16:10	Run ID: FIMS1_100507A
Client ID: LCSD-51366	Batch ID: 51366	Units: µg/L	Analysis Date: 05/07/10 11:46	SeqNo: 1279982
Analyte	Result	MDL	SPK value	SPK Ref Val
Mercury	4.511	0.056	0.20	RPD Ref Val
				%RPD RPDLimit
				Qual

0018

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: 17-May-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF042010

Lab ID: J0808-01

Project: NOW Corp. Site

Collection Date: 04/20/10 11:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SM 2540C -- TOTAL DISSOLVED SOLIDS</b>							<b>SM2540_TDS</b>
Total Dissolved Solids	250		10	mg/L	1	04/23/2010 4:30	50968
<b>SM 2540D -- TOTAL SUSPENDED SOLIDS</b>							<b>SM2540_TSS</b>
Total Suspended Solids	ND		10	mg/L	1	04/22/2010 22:54	50969
<b>SW846 9012 -- Total Cyanide</b>							<b>SW9012_W</b>
Cyanide	ND		10	µg/L	1	05/04/2010 19:34	51276

**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:** 17-May-10**Client:** AECOM Technical Services, Inc.**Client Sample ID:** INF042010**Lab ID:** J0808-02**Project:** NOW Corp. Site**Collection Date:** 04/20/10 11:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SM 2540C -- TOTAL DISSOLVED SOLIDS</b>							<b>SM2540_TDS</b>
Total Dissolved Solids	230		10	mg/L	1	04/23/2010 6:30	50968
<b>SM 2540D -- TOTAL SUSPENDED SOLIDS</b>							<b>SM2540_TSS</b>
Total Suspended Solids	ND		10	mg/L	1	04/23/2010 2:06	50969
<b>SW846 9012 -- Total Cyanide</b>							<b>SW9012_W</b>
Cyanide	ND		10	µg/L	1	05/04/2010 19:37	51276

**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: AECOM Technical Services, Inc.

Work Order: J0808

SM2540\_TDS

Project: NOW Corp. Site

SM 2540C -- TOTAL DISSOLVED SOLIDS

Sample ID: MB-50968	Sample Type: MBLK	Test Code: SM2540_TDS	Prep Date: 04/22/10 16:30	Run ID: MANUAL_100422D
Client ID: MB-50968	Batch ID: 50968	Units: mg/L	Analysis Date: 04/22/10 16:30	SeqNo: 1266995
Analyte	Result	MDL	SPK value	SPK Ref Val
	ND	10	%REC LowLimit HighLimit	RPD Ref Val
Total Dissolved Solids				%RPD RPDLimit
				Qual

Sample ID: LCS-50968	Sample Type: LCS	Test Code: SM2540_TDS	Prep Date: 04/22/10 16:30	Run ID: MANUAL_100422D
Client ID: LCS-50968	Batch ID: 50968	Units: mg/L	Analysis Date: 04/22/10 18:30	SeqNo: 1266996
Analyte	Result	MDL	SPK value	SPK Ref Val
	365.0	10	350.0	RPD Ref Val
Total Dissolved Solids			104	%RPD RPDLimit
			0	Qual
			80	
			120	

0021

Qualifiers:

mLIMS-002

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: AECOM Technical Services, Inc.

Work Order: J0808

Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SM2540 TSS

SM 2540D -- TOTAL SUSPENDED SOLIDS

Sample ID: MB-50969	SampType: MBLK	TestCode: SM2540_TSS	Prep Date: 04/22/10 16:30	Run ID: MANUAL_100422E	
Client ID: MB-50969	Batch ID: 50969	Units: mg/L	Analysis Date: 04/22/10 16:30	SeqNo: 1267003	
Analyte	Result	MDL	SPK value	SPK Ref Val	%RPD RPDLimit Qual
	ND	10			
Total Suspended Solids		10			

Sample ID: LCS-50969	SampType: LCS	TestCode: SM2540_TSS	Prep Date: 04/22/10 16:30	Run ID: MANUAL_100422E	
Client ID: LCS-50969	Batch ID: 50969	Units: mg/L	Analysis Date: 04/22/10 19:42	SeqNo: 1267004	
Analyte	Result	MDL	SPK value	SPK Ref Val	%RPD RPDLimit Qual
	59.00	10	51.40	0	115 80 120 0
Total Suspended Solids					

Sample ID: J0808-02CDUP	SampType: DUP	TestCode: SM2540_TSS	Prep Date: 04/22/10 16:30	Run ID: MANUAL_100422E	
Client ID: INF042010	Batch ID: 50969	Units: mg/L	Analysis Date: 04/23/10 5:18	SeqNo: 1267007	
Analyte	Result	MDL	SPK value	SPK Ref Val	%RPD RPDLimit Qual
	ND	10	0	0	0 0 0 0 20
Total Suspended Solids					

0022

# ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.  
 Work Order: J0808  
 Project: NOW Corp. Site

SW9012\_W  
 SW846 9012 -- Total Cyanide

Sample ID: MB-51276	SampType: MBLK	TestCode: SW9012_W	Prep Date: 05/03/10 14:30	Run ID: LACHAT1_100504C
Client ID: MB-51276	Batch ID: 51276	Units: µg/L	Analysis Date: 05/04/10 18:36	SeqNo: 1281467
Analyte	Result	MDL	SPK value	SPK Ref Val
Cyanide	ND	2.5	100.0	0
			LowLimit	HighLimit
			88.3	120
			RPD Ref Val	%RPD RPDLimit
			0	0

Sample ID: LCS-51276	SampType: LCS	TestCode: SW9012_W	Prep Date: 05/03/10 14:30	Run ID: LACHAT1_100504C
Client ID: LCS-51276	Batch ID: 51276	Units: µg/L	Analysis Date: 05/04/10 18:39	SeqNo: 1281468
Analyte	Result	MDL	SPK value	SPK Ref Val
Cyanide	88.28	2.5	100.0	0
			LowLimit	HighLimit
			88.3	120
			RPD Ref Val	%RPD RPDLimit
			0	0

Sample ID: LCSD-51276	SampType: LCSD	TestCode: SW9012_W	Prep Date: 05/03/10 14:30	Run ID: LACHAT1_100504C
Client ID: LCSD-51276	Batch ID: 51276	Units: µg/L	Analysis Date: 05/04/10 19:39	SeqNo: 1281493
Analyte	Result	MDL	SPK value	SPK Ref Val
Cyanide	88.84	2.5	100.0	0
			LowLimit	HighLimit
			88.8	120
			RPD Ref Val	%RPD RPDLimit
			0	0

9023

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

**WorkOrder: J0808****04/23/2010 07:14****Mitkem Laboratories**

Client ID: EARTH\_NY  
Project: NOW Corp. Site  
WO Name: NOW Corp. Site  
Location: NOW\_CORP,  
Comments: N/A

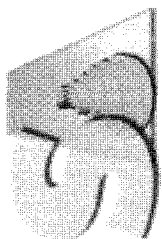
Case: HC Due: 05/07/10 Report Level: LEVEL 2  
SDG: Fax Due: Special Program:  
Fax Report: ☐ EDD:  
PO: 94017.02

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J0808-01A	EFF042010	04/20/2010 11:10	04/21/2010	Aqueous	SW8260_25_W	/ use for VOCs,					Y VOA
J0808-01B	EFF042010	04/20/2010 11:10	04/21/2010	Aqueous	SW6010_W	/ See SEL list				Y	M6
J0808-01B	EFF042010	04/20/2010 11:10	04/21/2010	Aqueous	SW7470	/ See SEL list					M6
J0808-01C	EFF042010	04/20/2010 11:10	04/21/2010	Aqueous	SM2540_TDS	/				N1	N1
J0808-01C	EFF042010	04/20/2010 11:10	04/21/2010	Aqueous	SM2540_TSS	/				N1	N1
J0808-01D	EFF042010	04/20/2010 11:10	04/21/2010	Aqueous	E1664	/				N1	N1
J0808-01E	EFF042010	04/20/2010 11:10	04/21/2010	Aqueous	SW9012_W	/				Y	N1
J0808-02A	INF042010	04/20/2010 11:20	04/21/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J0808-02B	INF042010	04/20/2010 11:20	04/21/2010	Aqueous	SW6010_W	/ See SEL list				Y	M6
J0808-02B	INF042010	04/20/2010 11:20	04/21/2010	Aqueous	SW7470	/ See SEL list					M6
J0808-02C	INF042010	04/20/2010 11:20	04/21/2010	Aqueous	SM2540_TDS	/				N1	N1
J0808-02C	INF042010	04/20/2010 11:20	04/21/2010	Aqueous	SM2540_TSS	/				N1	N1
J0808-02D	INF042010	04/20/2010 11:20	04/21/2010	Aqueous	E1664	/				N1	N1
J0808-02E	INF042010	04/20/2010 11:20	04/21/2010	Aqueous	SW9012_W	/				Y	N1
J0808-03A	TW-1	04/20/2010 11:25	04/21/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J0808-04A	TW-2A	04/20/2010 11:30	04/21/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J0808-05A	TW-3	04/20/2010 11:35	04/21/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J0808-06A	TRIP BLANK	04/20/2010 00:00	04/21/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA

**002F**

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold



SPECTRUM ANALYTICAL, INC.  
Featuring  
HARBAL TECHNOLOGY

# 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: AECOM

40 British American Blvd,  
Latham NY 12110

Telephone #: 518-951-2200

Project Mgr. Stephen Choiniere

1=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 2=HCl 3=H<sub>2</sub>SO<sub>4</sub> 4=HNO<sub>3</sub> 5=NaOH 6=Ascorbic Acid 7=CH<sub>3</sub>OH  
8=NaHSO<sub>4</sub> 9=None 10= \_\_\_\_\_ 11= \_\_\_\_\_

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

Invoice To: Same

P.O. No.: \_\_\_\_\_ RQN: \_\_\_\_\_

Project No.: 60135676 02

Site Name: New Corp

Location: Statesburg State: NY

Sampler(s): SRG

List preservative code below:  
2 4 9 2 6

QA/QC Reporting Notes:  
(check as needed)

## Containers:

# of VOA Vials  
# of Amber Glass  
# of Clear Glass  
# of Plastic

## Analyses:

Metals\*  
TDS/TSS  
O+G  
Cyanide

QA/QC Reporting Level  
☐ Standard ☐ No QC  
☐ Other \_\_\_\_\_

Type

Matrix

Time

Date

Sample Id:

Lab Id:

G

11:10

4/20/10

EFF 042010

61

G

11:20

4/20/10

INF 042010

62

G

11:25

4/20/10

TW-1

63

G

11:30

4/20/10

TW-2A

64

G

11:35

4/20/10

TW-3

65

G

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Trip Blank

66

Relinquished by:

Received by:

Temp °C

EDD Format

E-mail to

Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp \_\_\_\_\_ °C ☐ Freezer temp \_\_\_\_\_ °C

State specific reporting standards:

\* AL, AS, BA  
CR, CU, FE, MN  
Hg, Zn, N

61°C

7/20/10 3:10

4/21/10 9:00

CNadeau

Steve Dray

## Page 1 of 1

**Last Page of Data Report**