



**Operation, Maintenance and Monitoring Report
March 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

May 2010



May 13, 2010

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: "March" 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 (**February 25 – March 24, 2009**).

With the exceptions noted below, if any, the P&T system was online and operational throughout the reporting period. Approximately 844,800 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 31,300 gallons per day (gpd). During the prior reporting period, the average discharge was 29,800 gpd.

As of the last day of the reporting period, a total of 77,150,000 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 March 24, 2010. **The effluent limitation for zinc was exceeded, but the metal was also detected in the laboratory method blank.** A copy of the analytical laboratory report is attached. Table 2 summarizes selected operational data recorded on the sampling date.

AECOM made two site visits during the period to conduct the required system inspection, perform scheduled and/or unscheduled maintenance, and to collect water samples. The February 25 service visit was described in the previous report. Details for the current period follow:

March 9 – Cleaned air stripper. Changed out effluent pump; installed new pump that was a warranty replacement of its short-lived predecessor. Noted building heater had been repaired by Bottini Fuels.

March 24 – Monthly O&M service visit. Collected influent and effluent samples. Cleaned the inline effluent flow meter; it had been inhibiting flow and increasing effluent pump run-times.

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: March 24, 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		31,289				Monitor	gpd
pH	7.5	7.4				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	240	230	NA	NA	NA	1000	mg/L
TSS	<10	<10	NA	NA	NA	50	mg/L
Aluminum, Total	17 BJ	47 BJ	NA	NA	NA	2000	ug/L
Arsenic, Total	<20	3.7 BJ	NA	NA	NA	50	ug/L
Barium, Total	55 J	51 J	NA	NA	NA	2000	ug/L
Chromium	0.51 J	0.80 J	NA	NA	NA	100	ug/L
Copper	<25	7.6 BJ	NA	NA	NA	24	ug/L
Iron	59 BJ	310 B	NA	NA	NA	600	ug/L
Mercury	<0.20	<0.20	NA	NA	NA	0.8	ug/L
Manganese	62 B	52 B	NA	NA	NA	600	ug/L
Nickel	0.98 BJ	1.6 BJ	NA	NA	NA	200	ug/L
Zinc	30 BJ	160 B	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	180	<0.50	8.4	320	2.0	5	ug/L
1,1,2-Trichloroethane	<10	<0.50	<2.5	<10	<0.50	1.2	ug/L
1,1-Dichloroethane	84	<0.50	55	130	<0.50	5	ug/L
1,1-Dichloroethene	18 J	<0.50	17	19	1.8	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	11	1.2	12	16	<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	0.83	<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	210	0.22 J	110	340	6.8	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 March 2010 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:	3/24/10	Units
<i>TW-1</i>		
Pumping Rate	3	GPM
Water Level Above Transducer	60.37	feet
Flow Meter Reading	5,412,700	gallons
Pump Pressure	64	psi
<i>TW-2A</i>		
Pumping Rate	14	GPM
Water Level Above Transducer	60.61	feet
Flow Meter Reading	15,965,700	gallons
Pump Pressure	30	psi
<i>TW-3</i>		
Pumping Rate	5	GPM
Water Level Above Transducer	11.52	feet
Flow Meter Reading	7,810,300	gallons
Pump Pressure	54	psi
<i>Air Stripper</i>		
Stripper Blower Pressure	17	inches H ₂ O
Air Temperature in Stripper	48	°F
Pressure Gauge - Left Leg	1.2	inches H ₂ O
Pressure Gauge - Right Leg	0.2	inches H ₂ O
<i>Effluent Flow</i>		
Effluent Flow this period (calculated)	844,800	gallons
Total Effluent Flow (calculated)	77,149,900	gallons

Report Date:
30-Apr-10 15:35



- 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: J0564
Project: NOW Corp. Site, 3/10
Project #:

Attn: Stephen Choiniere

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
J0564-01	EFF-032410	Aqueous	24-Mar-10 10:20	26-Mar-10 09:00
J0564-02	INF-032410	Aqueous	24-Mar-10 10:35	26-Mar-10 09:00
J0564-03	TW-1	Aqueous	24-Mar-10 10:50	26-Mar-10 09:00
J0564-04	TW-2A	Aqueous	24-Mar-10 10:55	26-Mar-10 09:00
J0564-05	TW-3	Aqueous	24-Mar-10 11:00	26-Mar-10 09:00
J0564-06	TRIP BLANK	Aqueous	24-Mar-10 00:00	26-Mar-10 09:00

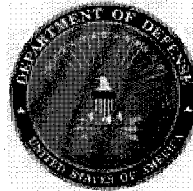
I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the sample(s) as received.

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.

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:

Yihai Ding
Laboratory Director

Technical Reviewer's Initials:

Report of Laboratory Analyses for AECOM Technical Services

Client Project: NOW Corp. 94017.02, 02/10

Mitkem Work Order ID: J0564

April 30, 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: J0564

Date samples received: 03/26/10

Project Narrative

This data report includes the analysis results for six (6) aqueous samples that were received from AECOM Technical Services on March 26, 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.

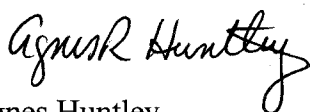
Surrogate recoveries were within the QC limits for volatile organic analyses. Percent recoveries in laboratory control samples were within the QC limits. The following samples were analyzed at dilution: INF-032410 (20x), TW-1 (5x) and TW-2A (20x).

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 matrix spikes were performed on sample EFF-032410 for oil & grease. Spike recovery and percent RPD were within the QC limits. Matrix spike was performed on sample EFF-032410 for cyanide. Spike recovery was within the QC limits. Duplicate analysis was performed on sample EFF-032410 for total dissolved solids, total suspended solids and cyanide. Percent RPD was within the QC limits for all analyses. Several elements were detected below the reporting limit but above the method detection limit in method blank MB-51119 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: 16-Apr-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF-032410

Lab ID: J0564-01

Project: NOW Corp. Site, 3/10

Collection Date: 03/24/10 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		0.50	µg/L		1 04/07/2010 1:06	50424
Chloroethane	ND		0.50	µg/L		1 04/07/2010 1:06	50424
1,1-Dichloroethene	ND		0.50	µg/L		1 04/07/2010 1:06	50424
trans-1,2-Dichloroethene	ND		0.50	µg/L		1 04/07/2010 1:06	50424
Methyl tert-butyl ether	ND		0.50	µg/L		1 04/07/2010 1:06	50424
1,1-Dichloroethane	ND		0.50	µg/L		1 04/07/2010 1:06	50424
cis-1,2-Dichloroethene	1.2		0.50	µg/L		1 04/07/2010 1:06	50424
1,1,1-Trichloroethane	ND		0.50	µg/L		1 04/07/2010 1:06	50424
1,2-Dichloroethane	ND		0.50	µg/L		1 04/07/2010 1:06	50424
Benzene	ND		0.50	µg/L		1 04/07/2010 1:06	50424
Trichloroethene	0.22	J	0.50	µg/L		1 04/07/2010 1:06	50424
Toluene	ND		0.50	µg/L		1 04/07/2010 1:06	50424
1,1,2-Trichloroethane	ND		0.50	µg/L		1 04/07/2010 1:06	50424
Tetrachloroethene	0.83		0.50	µg/L		1 04/07/2010 1:06	50424
Chlorobenzene	ND		0.50	µg/L		1 04/07/2010 1:06	50424
Ethylbenzene	ND		0.50	µg/L		1 04/07/2010 1:06	50424
m,p-Xylene	ND		0.50	µg/L		1 04/07/2010 1:06	50424
o-Xylene	ND		0.50	µg/L		1 04/07/2010 1:06	50424
Surrogate: Dibromofluoromethane	101		88-124	%REC		1 04/07/2010 1:06	50424
Surrogate: 1,2-Dichloroethane-d4	96.4		79-115	%REC		1 04/07/2010 1:06	50424
Surrogate: Toluene-d8	92.9		80-114	%REC		1 04/07/2010 1:06	50424
Surrogate: Bromofluorobenzene	97.7		60-123	%REC		1 04/07/2010 1:06	50424

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: 16-Apr-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF-032410

Lab ID: J0564-02

Project: NOW Corp. Site, 3/10

Collection Date: 03/24/10 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		10	µg/L		20 04/07/2010 1:35	50424
Chloroethane	ND		10	µg/L		20 04/07/2010 1:35	50424
1,1-Dichloroethene	ND		10	µg/L		20 04/07/2010 1:35	50424
trans-1,2-Dichloroethene	ND		10	µg/L		20 04/07/2010 1:35	50424
Methyl tert-butyl ether	ND		10	µg/L		20 04/07/2010 1:35	50424
1,1-Dichloroethane	84		10	µg/L		20 04/07/2010 1:35	50424
cis-1,2-Dichloroethene	11		10	µg/L		20 04/07/2010 1:35	50424
1,1,1-Trichloroethane	180		10	µg/L		20 04/07/2010 1:35	50424
1,2-Dichloroethane	ND		10	µg/L		20 04/07/2010 1:35	50424
Benzene	ND		10	µg/L		20 04/07/2010 1:35	50424
Trichloroethene	210		10	µg/L		20 04/07/2010 1:35	50424
Toluene	ND		10	µg/L		20 04/07/2010 1:35	50424
1,1,2-Trichloroethane	ND		10	µg/L		20 04/07/2010 1:35	50424
Tetrachloroethene	ND		10	µg/L		20 04/07/2010 1:35	50424
Chlorobenzene	ND		10	µg/L		20 04/07/2010 1:35	50424
Ethylbenzene	ND		10	µg/L		20 04/07/2010 1:35	50424
m,p-Xylene	ND		10	µg/L		20 04/07/2010 1:35	50424
o-Xylene	ND		10	µg/L		20 04/07/2010 1:35	50424
Surrogate: Dibromofluoromethane	99.7		88-124	%REC		20 04/07/2010 1:35	50424
Surrogate: 1,2-Dichloroethane-d4	101		79-115	%REC		20 04/07/2010 1:35	50424
Surrogate: Toluene-d8	96.3		80-114	%REC		20 04/07/2010 1:35	50424
Surrogate: Bromofluorobenzene	99.3		60-123	%REC		20 04/07/2010 1:35	50424

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: 16-Apr-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-1

Lab ID: J0564-03

Project: NOW Corp. Site, 3/10

Collection Date: 03/24/10 10:50

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		2.5	µg/L		5 04/07/2010 2:04	50424
Chloroethane	ND		2.5	µg/L		5 04/07/2010 2:04	50424
1,1-Dichloroethene	17		2.5	µg/L		5 04/07/2010 2:04	50424
trans-1,2-Dichloroethene	ND		2.5	µg/L		5 04/07/2010 2:04	50424
Methyl tert-butyl ether	ND		2.5	µg/L		5 04/07/2010 2:04	50424
1,1-Dichloroethane	55		2.5	µg/L		5 04/07/2010 2:04	50424
cis-1,2-Dichloroethene	12		2.5	µg/L		5 04/07/2010 2:04	50424
1,1,1-Trichloroethane	8.4		2.5	µg/L		5 04/07/2010 2:04	50424
1,2-Dichloroethane	ND		2.5	µg/L		5 04/07/2010 2:04	50424
Benzene	ND		2.5	µg/L		5 04/07/2010 2:04	50424
Trichloroethene	110		2.5	µg/L		5 04/07/2010 2:04	50424
Toluene	ND		2.5	µg/L		5 04/07/2010 2:04	50424
1,1,2-Trichloroethane	ND		2.5	µg/L		5 04/07/2010 2:04	50424
Tetrachloroethene	ND		2.5	µg/L		5 04/07/2010 2:04	50424
Chlorobenzene	ND		2.5	µg/L		5 04/07/2010 2:04	50424
Ethylbenzene	ND		2.5	µg/L		5 04/07/2010 2:04	50424
m,p-Xylene	ND		2.5	µg/L		5 04/07/2010 2:04	50424
o-Xylene	ND		2.5	µg/L		5 04/07/2010 2:04	50424
Surrogate: Dibromofluoromethane	99.9		88-124	%REC		5 04/07/2010 2:04	50424
Surrogate: 1,2-Dichloroethane-d4	96.5		79-115	%REC		5 04/07/2010 2:04	50424
Surrogate: Toluene-d8	95.2		80-114	%REC		5 04/07/2010 2:04	50424
Surrogate: Bromofluorobenzene	98.9		60-123	%REC		5 04/07/2010 2:04	50424

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: 16-Apr-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-2A

Lab ID: J0564-04

Project: NOW Corp. Site, 3/10

Collection Date: 03/24/10 10:55

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		10	µg/L		20 04/07/2010 2:32	50424
Chloroethane	ND		10	µg/L		20 04/07/2010 2:32	50424
1,1-Dichloroethene	19		10	µg/L		20 04/07/2010 2:32	50424
trans-1,2-Dichloroethene	ND		10	µg/L		20 04/07/2010 2:32	50424
Methyl tert-butyl ether	ND		10	µg/L		20 04/07/2010 2:32	50424
1,1-Dichloroethane	130		10	µg/L		20 04/07/2010 2:32	50424
cis-1,2-Dichloroethene	16		10	µg/L		20 04/07/2010 2:32	50424
1,1,1-Trichloroethane	320		10	µg/L		20 04/07/2010 2:32	50424
1,2-Dichloroethane	ND		10	µg/L		20 04/07/2010 2:32	50424
Benzene	ND		10	µg/L		20 04/07/2010 2:32	50424
Trichloroethene	340		10	µg/L		20 04/07/2010 2:32	50424
Toluene	ND		10	µg/L		20 04/07/2010 2:32	50424
1,1,2-Trichloroethane	ND		10	µg/L		20 04/07/2010 2:32	50424
Tetrachloroethene	ND		10	µg/L		20 04/07/2010 2:32	50424
Chlorobenzene	ND		10	µg/L		20 04/07/2010 2:32	50424
Ethylbenzene	ND		10	µg/L		20 04/07/2010 2:32	50424
m,p-Xylene	ND		10	µg/L		20 04/07/2010 2:32	50424
o-Xylene	ND		10	µg/L		20 04/07/2010 2:32	50424
Surrogate: Dibromofluoromethane	101		88-124	%REC		20 04/07/2010 2:32	50424
Surrogate: 1,2-Dichloroethane-d4	89.6		79-115	%REC		20 04/07/2010 2:32	50424
Surrogate: Toluene-d8	94.9		80-114	%REC		20 04/07/2010 2:32	50424
Surrogate: Bromofluorobenzene	97.1		60-123	%REC		20 04/07/2010 2:32	50424

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: 16-Apr-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-3

Lab ID: J0564-05

Project: NOW Corp. Site, 3/10

Collection Date: 03/24/10 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		0.50	µg/L		1 04/07/2010 3:02	50424
Chloroethane	ND		0.50	µg/L		1 04/07/2010 3:02	50424
1,1-Dichloroethene	1.8		0.50	µg/L		1 04/07/2010 3:02	50424
trans-1,2-Dichloroethene	ND		0.50	µg/L		1 04/07/2010 3:02	50424
Methyl tert-butyl ether	ND		0.50	µg/L		1 04/07/2010 3:02	50424
1,1-Dichloroethane	ND		0.50	µg/L		1 04/07/2010 3:02	50424
cis-1,2-Dichloroethene	ND		0.50	µg/L		1 04/07/2010 3:02	50424
1,1,1-Trichloroethane	2.0		0.50	µg/L		1 04/07/2010 3:02	50424
1,2-Dichloroethane	ND		0.50	µg/L		1 04/07/2010 3:02	50424
Benzene	ND		0.50	µg/L		1 04/07/2010 3:02	50424
Trichloroethene	6.8		0.50	µg/L		1 04/07/2010 3:02	50424
Toluene	ND		0.50	µg/L		1 04/07/2010 3:02	50424
1,1,2-Trichloroethane	ND		0.50	µg/L		1 04/07/2010 3:02	50424
Tetrachloroethene	ND		0.50	µg/L		1 04/07/2010 3:02	50424
Chlorobenzene	ND		0.50	µg/L		1 04/07/2010 3:02	50424
Ethylbenzene	ND		0.50	µg/L		1 04/07/2010 3:02	50424
m,p-Xylene	ND		0.50	µg/L		1 04/07/2010 3:02	50424
o-Xylene	ND		0.50	µg/L		1 04/07/2010 3:02	50424
Surrogate: Dibromofluoromethane	98.2		88-124	%REC		1 04/07/2010 3:02	50424
Surrogate: 1,2-Dichloroethane-d4	95.5		79-115	%REC		1 04/07/2010 3:02	50424
Surrogate: Toluene-d8	94.1		80-114	%REC		1 04/07/2010 3:02	50424
Surrogate: Bromofluorobenzene	99.0		60-123	%REC		1 04/07/2010 3:02	50424

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: 16-Apr-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TRIP BLANK

Lab ID: J0564-06

Project: NOW Corp. Site, 3/10

Collection Date: 03/24/10 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		104/07/2010 3:31	50424
Chloroethane	ND		0.50	µg/L		104/07/2010 3:31	50424
1,1-Dichloroethene	ND		0.50	µg/L		104/07/2010 3:31	50424
trans-1,2-Dichloroethene	ND		0.50	µg/L		104/07/2010 3:31	50424
Methyl tert-butyl ether	ND		0.50	µg/L		104/07/2010 3:31	50424
1,1-Dichloroethane	ND		0.50	µg/L		104/07/2010 3:31	50424
cis-1,2-Dichloroethene	ND		0.50	µg/L		104/07/2010 3:31	50424
1,1,1-Trichloroethane	ND		0.50	µg/L		104/07/2010 3:31	50424
1,2-Dichloroethane	ND		0.50	µg/L		104/07/2010 3:31	50424
Benzene	ND		0.50	µg/L		104/07/2010 3:31	50424
Trichloroethene	ND		0.50	µg/L		104/07/2010 3:31	50424
Toluene	ND		0.50	µg/L		104/07/2010 3:31	50424
1,1,2-Trichloroethane	ND		0.50	µg/L		104/07/2010 3:31	50424
Tetrachloroethene	ND		0.50	µg/L		104/07/2010 3:31	50424
Chlorobenzene	ND		0.50	µg/L		104/07/2010 3:31	50424
Ethylbenzene	ND		0.50	µg/L		104/07/2010 3:31	50424
m,p-Xylene	ND		0.50	µg/L		104/07/2010 3:31	50424
o-Xylene	ND		0.50	µg/L		104/07/2010 3:31	50424
Surrogate: Dibromofluoromethane	101		88-124	%REC		104/07/2010 3:31	50424
Surrogate: 1,2-Dichloroethane-d4	98.5		79-115	%REC		104/07/2010 3:31	50424
Surrogate: Toluene-d8	94.5		80-114	%REC		104/07/2010 3:31	50424
Surrogate: Bromofluorobenzene	97.9		60-123	%REC		104/07/2010 3:31	50424

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: J0564

SW8260_25_W

Project: NOW Corp. Site, 3/10

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

Sample ID: MB-50424	SampType: MBLK	TestCode: SW8260_25_W	Prep Date: 04/06/10 16:23	Run ID: V5_100406B						
Client ID: MB-50424	Batch ID: 50424	Units: µg/L	Analysis Date: 04/06/10 22:42	SeqNo: 1245001						
Analyte	Result	PQL	SPK value	SPK Ref Val	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	10.56		10.00	0	106	88		106	124	0
Surrogate: 1,2-Dichloroethane-d4	11.43		10.00	0	114	79		114	115	0
Surrogate: Toluene-d8	9.362		10.00	0	93.6	80		93.6	114	0
Surrogate: Bromofluorobenzene	10.14		10.00	0	101	60		101	123	0



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

CLIENT: AECOM Technical Services, Inc.

Work Order: J0564

Project: NOW Corp. Site, 3/10

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Prep Date: 04/06/10 16:23 Run ID: V5_100406B

Analysis Date: 04/06/10 21:15 SeqNo: 1244999

TestCode: SW8260_25_W

Units: µg/L

Sample Type: LCS

Batch ID: 50424

Sample ID: LCS-50424

Client ID: LCS-50424

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	10.03	0.50	10.00	0	100	77	120	0			
Chloroethane	9.550	0.50	10.00	0	95.5	75	135	0			
1,1-Dichloroethene	9.895	0.50	10.00	0	98.9	81	125	0			
trans-1,2-Dichloroethene	9.647	0.50	10.00	0	96.5	60	137	0			
Methyl tert-butyl ether	9.767	0.50	10.00	0	97.7	61	134	0			
1,1-Dichloroethane	9.277	0.50	10.00	0	92.8	82	120	0			
cis-1,2-Dichloroethene	9.476	0.50	10.00	0	94.8	84	116	0			
1,1,1-Trichloroethane	9.933	0.50	10.00	0	99.3	80	124	0			
1,2-Dichloroethane	9.963	0.50	10.00	0	99.6	86	117	0			
Benzene	9.686	0.50	10.00	0	96.9	81	121	0			
Trichloroethene	10.13	0.50	10.00	0	101	74	123	0			
Toluene	9.720	0.50	10.00	0	97.2	88	117	0			
1,1,2-Trichloroethane	10.22	0.50	10.00	0	102	83	121	0			
Tetrachloroethene	11.21	0.50	10.00	0	112	74	115	0			
Chlorobenzene	10.03	0.50	10.00	0	100	83	112	0			
Ethylbenzene	9.294	0.50	10.00	0	92.9	87	110	0			
m,p-Xylene	19.31	0.50	20.00	0	96.6	87	114	0			
o-Xylene	9.625	0.50	10.00	0	96.3	84	114	0			
Surrogate: Dibromofluoromethane	9.942	0.50	10.00	0	99.4	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	10.54	0.50	10.00	0	105	79	115	0			
Surrogate: Toluene-d8	9.788	0.50	10.00	0	97.9	80	114	0			
Surrogate: Bromofluorobenzene	9.988	0.50	10.00	0	99.9	60	123	0			

0010

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

mLIMS-001

B - Analyte detected in the associated Method Blank

CLIENT: AECOM Technical Services, Inc.
 Work Order: J0564
 Project: NOW Corp. Site, 3/10

ANALYTICAL QC SUMMARY REPORT

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

Sample ID: LCSD-50424 SampType: LCSD TestCode: SW8260_25_W Prep Date: 04/06/10 16:23 Run ID: V5_100406B
 Client ID: LCSD-50424 Batch ID: 50424 Units: µg/L Analysis Date: 04/06/10 21:44 SeqNo: 1245000

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	10.26	0.50	10.00	0	103	77	120	10.03	10.03	2.29	40	
Chloroethane	9.570	0.50	10.00	0	95.7	75	135	9.550	9.550	0.21	40	
1,1-Dichloroethene	9.569	0.50	10.00	0	95.7	81	125	9.895	9.895	3.35	40	
trans-1,2-Dichloroethene	9.346	0.50	10.00	0	93.5	60	137	9.647	9.647	3.17	40	
Methyl tert-butyl ether	10.36	0.50	10.00	0	104	61	134	9.767	9.767	5.87	40	
1,1-Dichloroethane	9.932	0.50	10.00	0	99.3	82	120	9.277	9.277	6.82	40	
cis-1,2-Dichloroethene	10.24	0.50	10.00	0	102	84	116	9.476	9.476	7.71	40	
1,1,1-Trichloroethane	10.12	0.50	10.00	0	101	80	124	9.933	9.933	1.85	40	
1,2-Dichloroethane	10.24	0.50	10.00	0	102	86	117	9.963	9.963	2.76	40	
Benzene	10.25	0.50	10.00	0	103	81	121	9.686	9.686	5.68	40	
Trichloroethene	10.13	0.50	10.00	0	101	74	123	10.13	10.13	0.0181	40	
Toluene	10.55	0.50	10.00	0	106	88	117	9.720	9.720	8.21	40	
1,1,2-Trichloroethane	10.76	0.50	10.00	0	108	83	121	10.22	10.22	5.15	40	
Tetrachloroethene	10.97	0.50	10.00	0	110	74	115	11.21	11.21	2.17	40	
Chlorobenzene	9.912	0.50	10.00	0	99.1	83	112	10.03	10.03	1.17	40	
Ethylbenzene	9.518	0.50	10.00	0	95.2	87	110	9.294	9.294	2.38	40	
m,p-Xylene	19.40	0.50	20.00	0	97.0	87	114	19.31	19.31	0.427	40	
o-Xylene	9.865	0.50	10.00	0	98.7	84	114	9.625	9.625	2.46	40	
Surrogate: Dibromofluoromethane	10.45	0.50	10.00	0	104	88	124	0	0			
Surrogate: 1,2-Dichloroethane-d4	10.39	0.50	10.00	0	104	79	115	0	0			
Surrogate: Toluene-d8	9.589	0.50	10.00	0	95.9	80	114	0	0			
Surrogate: Bromofluorobenzene	9.921	0.50	10.00	0	99.2	60	123	0	0			

0014

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

Mitkem Laboratories

Date: 09-Apr-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF-032410

Lab ID: J0564-01

Project: NOW Corp. Site, 3/10

Collection Date: 03/24/10 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 04/09/2010 0:00	50431

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-Apr-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF-032410

Lab ID: J0564-02

Project: NOW Corp. Site, 3/10

Collection Date: 03/24/10 10:35

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		104/09/2010 0:00	50431

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-Apr-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF-032410

Lab ID: J0564-01

Project: NOW Corp. Site, 3/10

Collection Date: 03/24/10 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		104/09/2010 0:00	50431

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-Apr-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF-032410

Lab ID: J0564-02

Project: NOW Corp. Site, 3/10

Collection Date: 03/24/10 10:35

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 04/09/2010 0:00	50431

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: J0564
Project: NOW Corp. Site, 3/10

E1664
EPA 1664 -- Oil & Grease, HEM

Sample ID: MB-50431	Sample Type: MBLK	TestCode: E1664	Prep Date: 04/07/10 8:23	Run ID: MANUAL_100406A
Client ID: MB-50431	Batch ID: 50431	Units: mg/L	Analysis Date: 04/09/10 0:00	SeqNo: 1249045
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
	ND	5.0	0	0
Oil & Grease, Total Recoverable				

Sample ID: LCS-50431	Sample Type: LCS	TestCode: E1664	Prep Date: 04/07/10 8:23	Run ID: MANUAL_100406A
Client ID: LCS-50431	Batch ID: 50431	Units: mg/L	Analysis Date: 04/09/10 0:00	SeqNo: 1249043
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
	32.10	5.0	0	80.3 78 114
Oil & Grease, Total Recoverable				

Sample ID: LCSD-50431	Sample Type: LCSD	TestCode: E1664	Prep Date: 04/07/10 8:23	Run ID: MANUAL_100406A
Client ID: LCSD-50431	Batch ID: 50431	Units: mg/L	Analysis Date: 04/09/10 0:00	SeqNo: 1249044
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
	34.40	5.0	0	86.0 78 114
Oil & Grease, Total Recoverable				

Sample ID: J0564-01EMS	Sample Type: MS	TestCode: E1664	Prep Date: 04/07/10 8:23	Run ID: MANUAL_100406A
Client ID: EFF-032410	Batch ID: 50431	Units: mg/L	Analysis Date: 04/09/10 0:00	SeqNo: 1249040
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
	35.80	5.0	0	89.5 78 114
Oil & Grease, Total Recoverable				

Sample ID: J0564-01EMSD	Sample Type: MSD	TestCode: E1664	Prep Date: 04/07/10 8:23	Run ID: MANUAL_100406A
Client ID: EFF-032410	Batch ID: 50431	Units: mg/L	Analysis Date: 04/09/10 0:00	SeqNo: 1249041
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
	35.00	5.0	0	87.5 78 114
Oil & Grease, Total Recoverable				

0010

Qualifiers: ND - Not Detected at the Reporting Limit
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 mLIMS-001
 J - Analyte detected below quantitation limits

Mitkem Laboratories

Date: 30-Apr-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF-032410

Lab ID: J0564-01

Project: NOW Corp. Site, 3/10

Collection Date: 03/24/10 10:20

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP				SW6010_W
Aluminum	47 BJ	200 µg/L	1 04/29/2010 7:09	51119
Arsenic	3.7 BJ	20 µg/L	1 04/29/2010 7:09	51119
Barium	51 J	200 µg/L	1 04/29/2010 7:09	51119
Chromium	0.80 J	20 µg/L	1 04/29/2010 7:09	51119
Copper	7.6 BJ	25 µg/L	1 04/29/2010 7:09	51119
Iron	310 B	200 µg/L	1 04/29/2010 7:09	51119
Manganese	52 B	50 µg/L	1 04/29/2010 7:09	51119
Nickel	1.6 BJ	50 µg/L	1 04/29/2010 7:09	51119
Zinc	160 B	50 µg/L	1 04/29/2010 7:09	51119
SW846 7470 -- Mercury by FIA				SW7470
Mercury	ND	0.20 µg/L	1 04/14/2010 15:32	50603

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: 30-Apr-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF-032410

Project: NOW Corp. Site, 3/10

Lab ID: J0564-02

Collection Date: 03/24/10 10:35

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP				SW6010_W
Aluminum	17 BJ	200 µg/L	1 04/29/2010 7:12	51119
Arsenic	ND	20 µg/L	1 04/29/2010 7:12	51119
Barium	55 J	200 µg/L	1 04/29/2010 7:12	51119
Chromium	0.51 J	20 µg/L	1 04/29/2010 7:12	51119
Copper	ND	25 µg/L	1 04/29/2010 7:12	51119
Iron	59 BJ	200 µg/L	1 04/29/2010 7:12	51119
Manganese	62 B	50 µg/L	1 04/29/2010 7:12	51119
Nickel	0.98 BJ	50 µg/L	1 04/29/2010 7:12	51119
Zinc	30 BJ	50 µg/L	1 04/29/2010 7:12	51119
SW846 7470 -- Mercury by FIA				SW7470
Mercury	ND	0.20 µg/L	1 04/14/2010 15:33	50603

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: J0564
 Project: NOW Corp. Site, 3/10

SW6010_W
 SW846 6010 -- Metals by ICP

Sample ID: MB-51119 SampType: MBLK TestCode: SW6010_W Prep Date: 04/28/10 13:30 Run ID: OPTIMA2_100429A
 Client ID: MB-51119 Batch ID: 51119 Units: µg/L Analysis Date: 04/29/10 7:01 SeqNo: 1273849

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	32.39	200									J
Arsenic	7.830	20									J
Barium	ND	200									
Chromium	ND	20									
Copper	8.598	30									J
Iron	104.9	200									J
Manganese	6.577	50									J
Nickel	0.8307	50									J
Zinc	26.67	50									J

Sample ID: LCS-51119 SampType: LCS TestCode: SW6010_W Prep Date: 04/28/10 13:30 Run ID: OPTIMA2_100429A
 Client ID: LCS-51119 Batch ID: 51119 Units: µg/L Analysis Date: 04/29/10 7:03 SeqNo: 1273850

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	8607	200	9100	0	94.6	80	120	0			B
Arsenic	459.1	20	455.0	0	101	80	120	0			B
Barium	8901	200	9100	0	97.8	80	120	0			
Chromium	874.9	20	910.0	0	96.1	80	120	0			
Copper	1090	30	1130	0	96.4	80	120	0			B
Iron	4841	200	4550	0	106	80	120	0			B
Manganese	2203	50	2270	0	97.1	80	120	0			B
Nickel	2215	50	2270	0	97.6	80	120	0			B
Zinc	2289	50	2270	0	101	80	120	0			B

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: J0564

SW6010_W

Project: NOW Corp. Site, 3/10

SW846 6010 -- Metals by ICP

Sample ID: LCSD-51119 SampType: LCSD TestCode: SW6010_W Prep Date: 04/28/10 13:30 Run ID: OPTIMA2_100429A

Client ID: LCSD-51119 Batch ID: 51119 Units: µg/L Analysis Date: 04/29/10 7:06 SeqNo: 1273851

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	8607	200	9100	0	94.6	80	120	8607	0.000863	20	B
Arsenic	459.6	20	455.0	0	101	80	120	459.1	0.0991	20	B
Barium	9015	200	9100	0	99.1	80	120	8901	1.28	20	
Chromium	880.9	20	910.0	0	96.8	80	120	874.9	0.69	20	
Copper	1105	30	1130	0	97.8	80	120	1090	1.36	20	B
Iron	4732	200	4550	0	104	80	120	4841	2.28	20	B
Manganese	2223	50	2270	0	97.9	80	120	2203	0.875	20	B
Nickel	2205	50	2270	0	97.1	80	120	2215	0.47	20	B
Zinc	2270	50	2270	0	100	80	120	2289	0.832	20	B

8820

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.
 Work Order: J0564
 Project: NOW Corp. Site, 3/10

SW7470
 SW846 7470 -- Mercury by FIA

Sample ID: MB-50603	SampType: MBLK	TestCode: SW7470	Prep Date: 04/12/10 14:00	Run ID: FIMS1_100414D	
Client ID: MB-50603	Batch ID: 50603	Units: µg/L	Analysis Date: 04/14/10 15:29	SeqNo: 1254784	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit HighLimit
Mercury	ND	0.20	0	113	80 120
			SPK value	RPD Ref Val	%RPD RPDLimit
			4.550	0	0

Sample ID: LCS-50603	SampType: LCS	TestCode: SW7470	Prep Date: 04/12/10 14:00	Run ID: FIMS1_100414D	
Client ID: LCS-50603	Batch ID: 50603	Units: µg/L	Analysis Date: 04/14/10 15:30	SeqNo: 1254785	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit HighLimit
Mercury	5.135	0.20	0	113	80 120
			SPK value	RPD Ref Val	%RPD RPDLimit
			4.550	0	0

Sample ID: LCSD-50603	SampType: LCSD	TestCode: SW7470	Prep Date: 04/12/10 14:00	Run ID: FIMS1_100414D	
Client ID: LCSD-50603	Batch ID: 50603	Units: µg/L	Analysis Date: 04/14/10 15:35	SeqNo: 1254789	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit HighLimit
Mercury	5.179	0.20	0	114	80 120
			SPK value	RPD Ref Val	%RPD RPDLimit
			4.550	0	0.856 20

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: 27-Apr-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF-032410

Lab ID: J0564-01

Project: NOW Corp. Site, 3/10

Collection Date: 03/24/10 10:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							SM2540_TDS
Total Dissolved Solids	230		10	mg/L		1 04/02/2010 8:54	50311
SM 2540D -- TOTAL SUSPENDED SOLIDS							SM2540_TSS
Total Suspended Solids	ND		10	mg/L		1 04/02/2010 8:54	50312
SW846 9012 -- Total Cyanide							SW9012_W
Cyanide	10		10	µg/L		1 04/06/2010 9:38	50372

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: 27-Apr-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF-032410

Lab ID: J0564-02

Project: NOW Corp. Site, 3/10

Collection Date: 03/24/10 10:35

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							SM2540_TDS
Total Dissolved Solids	240		10	mg/L		1 04/02/2010 9:18	50311
SM 2540D -- TOTAL SUSPENDED SOLIDS							SM2540_TSS
Total Suspended Solids	ND		10	mg/L		1 04/02/2010 9:18	50312
SW846 9012 -- Total Cyanide							SW9012_W
Cyanide	ND		10	µg/L		1 04/06/2010 9:46	50372

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: J0564
 Project: NOW Corp. Site, 3/10

SM2540_TDS
 SM 2540C -- TOTAL DISSOLVED SOLIDS

Sample ID: MB-50311	SampType: MBLK	TestCode: SM2540_TDS	Prep Date: 04/01/10 16:30	Run ID: MANUAL_100401B
Client ID: MB-50311	Batch ID: 50311	Units: mg/L	Analysis Date: 04/02/10 8:30	SeqNo: 1242250
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Total Dissolved Solids	ND	10	0	0

Sample ID: LCS-50311	SampType: LCS	TestCode: SM2540_TDS	Prep Date: 04/01/10 16:30	Run ID: MANUAL_100401B
Client ID: LCS-50311	Batch ID: 50311	Units: mg/L	Analysis Date: 04/02/10 8:42	SeqNo: 1242251
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Total Dissolved Solids	362.0	10	0	103 80 120 0

Sample ID: J0564-01BDUP	SampType: DUP	TestCode: SM2540_TDS	Prep Date: 04/01/10 16:30	Run ID: MANUAL_100401B
Client ID: EFF-032410	Batch ID: 50311	Units: mg/L	Analysis Date: 04/02/10 9:06	SeqNo: 1242253
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Total Dissolved Solids	249.0	10	0	0 0 0 226.0 9.68 20

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

0024

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.
 Work Order: J0564
 Project: NOW Corp. Site, 3/10

SM2540_TSS
 SM 2540D -- TOTAL SUSPENDED SOLIDS

Sample ID: MB-50312	SampType: MBLK	TestCode: SM2540_TSS	Prep Date: 04/01/10 16:30	Run ID: MANUAL_100401A	
Client ID: MB-50312	Batch ID: 50312	Units: mg/L	Analysis Date: 04/02/10 8:30	SeqNo: 1242245	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit HighLimit
	ND	10			RPD Ref Val %RPD RPDLimit Qual
Total Suspended Solids					

Sample ID: LCS-50312	SampType: LCS	TestCode: SM2540_TSS	Prep Date: 04/01/10 16:30	Run ID: MANUAL_100401A	
Client ID: LCS-50312	Batch ID: 50312	Units: mg/L	Analysis Date: 04/02/10 8:42	SeqNo: 1242246	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit HighLimit
	51.00	10	0	99.2	80 120 0
Total Suspended Solids					

Sample ID: J0564-01BDUP	SampType: DUP	TestCode: SM2540_TSS	Prep Date: 04/01/10 16:30	Run ID: MANUAL_100401A	
Client ID: EFF-032410	Batch ID: 50312	Units: mg/L	Analysis Date: 04/02/10 9:06	SeqNo: 1242248	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit HighLimit
	ND	10	0	0	0 0 0 0 20
Total Suspended Solids					

0025

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.
 Work Order: J0564
 Project: NOW Corp. Site, 3/10

SW9012_W
 SW846 9012 -- Total Cyanide

Sample ID: MB-50372	SampType: MBLK	TestCode: SW9012_W	Prep Date: 04/02/10 8:50	Run ID: LACHAT1_100406A
Client ID: MB-50372	Batch ID: 50372	Units: µg/L	Analysis Date: 04/06/10 9:33	SeqNo: 1244315
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Cyanide	ND	20	0	91.3 80 120
			SPK value	RPD Ref Val
			100.0	0
				%RPD RPDLimit
				0
				Qual

Sample ID: LCS-50372	SampType: LCS	TestCode: SW9012_W	Prep Date: 04/02/10 8:50	Run ID: LACHAT1_100406A
Client ID: LCS-50372	Batch ID: 50372	Units: µg/L	Analysis Date: 04/06/10 9:36	SeqNo: 1244316
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Cyanide	91.27	20	0	91.3 80 120
			SPK value	RPD Ref Val
			100.0	0
				%RPD RPDLimit
				0
				Qual

Sample ID: J0564-01CDUP	SampType: DUP	TestCode: SW9012_W	Prep Date: 04/02/10 8:50	Run ID: LACHAT1_100406A
Client ID: EFF-032410	Batch ID: 50372	Units: µg/L	Analysis Date: 04/06/10 9:41	SeqNo: 1244318
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Cyanide	ND	10	0	0 0 20
			SPK value	RPD Ref Val
			0	10.45 0 20
				%RPD RPDLimit
				0
				Qual

Sample ID: J0564-01CMS	SampType: MS	TestCode: SW9012_W	Prep Date: 04/02/10 8:50	Run ID: LACHAT1_100406A
Client ID: EFF-032410	Batch ID: 50372	Units: µg/L	Analysis Date: 04/06/10 9:43	SeqNo: 1244319
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Cyanide	99.74	10	10.45	89.3 75 125
			SPK value	RPD Ref Val
			100.0	0
				%RPD RPDLimit
				0
				Qual

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

WorkOrder: J0564

03/29/2010 08:26

Mitek Laboratories

Client ID: EARTH_NY
 Project: NOW Corp. Site
 WO Name: NOW Corp. Site, 3/10
 Location: NOW_CORP,
 Comments: N/A

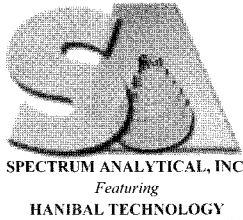
Case: HC Due: 04/13/10 Report Level: LEVEL 2
 SDG: Fax Due: Special Program:
 PO: 94017.02 Fax Report: EDD:

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J0564-01A	EFF-032410	03/24/2010 10:20	03/26/2010	Aqueous	SW8260_25_W	/ use for VOCs,					Y VOA
J0564-01B	EFF-032410	03/24/2010 10:20	03/26/2010	Aqueous	SM2540_TDS	/					F4
J0564-01B	EFF-032410	03/24/2010 10:20	03/26/2010	Aqueous	SM2540_TSS	/					F4
J0564-01C	EFF-032410	03/24/2010 10:20	03/26/2010	Aqueous	SW9012_W	/					Y F4
J0564-01D	EFF-032410	03/24/2010 10:20	03/26/2010	Aqueous	SW6010_W	/ See SEL list					Y M1
J0564-01D	EFF-032410	03/24/2010 10:20	03/26/2010	Aqueous	SW7470	/ See SEL list					M1
J0564-01E	EFF-032410	03/24/2010 10:20	03/26/2010	Aqueous	E1664	/			Y		F3
J0564-02A	INF-032410	03/24/2010 10:35	03/26/2010	Aqueous	SW8260_25_W	/ use for VOCs,					Y VOA
J0564-02B	INF-032410	03/24/2010 10:35	03/26/2010	Aqueous	SM2540_TDS	/					F4
J0564-02B	INF-032410	03/24/2010 10:35	03/26/2010	Aqueous	SM2540_TSS	/					F4
J0564-02C	INF-032410	03/24/2010 10:35	03/26/2010	Aqueous	SW9012_W	/					Y F4
J0564-02D	INF-032410	03/24/2010 10:35	03/26/2010	Aqueous	SW6010_W	/ See SEL list					Y M1
J0564-02D	INF-032410	03/24/2010 10:35	03/26/2010	Aqueous	SW7470	/ See SEL list					M1
J0564-02E	INF-032410	03/24/2010 10:35	03/26/2010	Aqueous	E1664	/					F3
J0564-03A	TW-1	03/24/2010 10:50	03/26/2010	Aqueous	SW8260_25_W	/ use for VOCs,					Y VOA
J0564-04A	TW-2A	03/24/2010 10:55	03/26/2010	Aqueous	SW8260_25_W	/ use for VOCs,					Y VOA
J0564-05A	TW-3	03/24/2010 11:00	03/26/2010	Aqueous	SW8260_25_W	/ use for VOCs,					Y VOA
J0564-06A	TRIP BLANK	03/24/2010 00:00	03/26/2010	Aqueous	SW8260_25_W	/ use for VOCs,					Y VOA

03/29/2010

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

HT = Test logged in but has been placed on hold



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

Invoice To: Same

Project No.: 60135676

Telephone #: 518-951-2200

Site Name: Now Corp

Project Mgr. Stephen Choiniere

P.O. No.: _____ RQN: _____

Location: Staatsburg State: NY

Sampler(s): SRG

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
 8=NaHSO₄ 9=_____ 10=_____ 11=_____

List preservative code below:
2 4 5 2

QA/QC Reporting Notes:
 (check as needed)

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

Containers: _____ Analyses: _____

- Provide MA DEP MCP CAM Report
- Provide CT DPH RCP Report
- QA/QC Reporting Level**
- Standard No QC
- Other _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Voc	Metals	TDS/TSS	Total Cyanide	Oil + Grease
01	EFF-032410	3/24/10	10:20	G	GW	2	3		3	X	X	X	X	X
02	INF-032410	3/24/10	10:35			2	3		3	X	X	X	X	X
03	TW-1	3/24/10	10:50			2				X				
04	TW-2A	3/24/10	10:55			2				X				
05	TW-3	3/24/10	11:00			2				X				
06	Trip Blank					2				X				

State specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
<u>Steve Dow</u>	<u>Lindsay Charniga (AECOM)</u>	<u>3/24/10</u>	<u>4:00</u>	
<u>Lindsay Charniga (AECOM)</u>	<u>[Signature]</u>	<u>3/25/10</u>	<u>1700</u>	<u>6</u>
	<u>[Signature]</u>	<u>3/26/10</u>	<u>9:00</u>	<u>6</u>

- EDD Format _____
- E-mail to _____
- Ambient Iced Refrigerated Fridge temp _____ °C Freezer temp _____ °C

0023

MITKEM LABORATORIES
Sample Condition Form

Received By: AED Reviewed By: SJ Date: 3/26/10 Mitkem Work Order #: J0564

Client Project: NOW CORP Client: EARTH NY Soil Headspace or Air Bubble \geq 1/4"

	Lab Sample ID	Preservation (pH)					VOA Matrix	
		HNO ₃	H ₂ SO ₄	HCl	NaOH	H ₃ PO ₄		
1) Cooler Sealed <u>Yes</u> / No	J0564 01	L2		L2	7/2		H	
	↓							
2) Custody Seal(s) Present / Absent	02	L2		L2	7/2			
Coolers / Bottles	03							
Intact / Broken	04							
	↓							
	05							
	↓							
	J0564 06						H	
3) Custody Seal Number(s) <u>N/A</u>								
↓								
4) Chain-of-Custody <u>Present</u> / Absent								
5) Cooler Temperature <u>6°C</u>								
IR Temp Gun ID <u>MT-1</u>								
Coolant Condition <u>ICED</u>								
6) Airbill(s) <u>Present</u> / Absent								
Airbill Number(s) <u>FEDEX</u>								
<u>869421875894</u>								
7) Samples Bottles <u>Intact</u> / Broken / Leaking								
8) Date Received <u>3/26/10</u>								
9) Time Received <u>9:00</u>								

Preservative Name/Lot No.:

VOA Matrix Key:
 US = Unpreserved Soil A = Air
 UA = Unpreserved Aqueous H = HCl
 M = MeOH E = Encore
 N = NaHSO₄ F = Freeze

See Sample Condition Notification/Corrective Action Form yes / no
 Form ID: QAF.0006 Rad OK yes / no

Last Page of Data Report