# Operation, Maintenance and Monitoring Report November 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

January 2011



January 19, 2011

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: "November" 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 29-day period (October 20 – November 18, 2010).

With the exceptions noted below, if any, the P&T system was online and operational throughout the reporting period. Approximately 266,600 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 9,200 gallons per day (gpd), slightly less than the 10,000 gpd in the prior reporting period.

As of the last day of the reporting period, a total of 80,685,000 gallons of groundwater had been recovered and treated by the system since it became operational in February 1998.

Table 1 summarizes influent and effluent analytical data for water samples collected on November 18, 2010. **Effluent limitations were not exceeded for any analyte.** A copy of the analytical laboratory report is attached. Table 2 summarizes selected operational data, as 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 October 20 service visit was described in the previous report. Details for the current period follow:

November 10 – Responded to system auto-shutdown on November  $8^{th}$  by cleaning the air-distribution pipes in the stripper. Started system. Total downtime was 42 hours.

<u>November 18</u> – Monthly O&M service visit. Collected influent and effluent samples. Adjusted discharge rate on pump in TW-3. Replaced water-level sensor (transducer) in TW-1. Old transducer had been providing spurious output since September 11<sup>th</sup>.

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: November 18, 2010
NOW Corporation Site
Town of Clinton, New York

Analytes/	Total		]	Recovery Well	s	Effluent	
<b>Parameters</b>	Influent	Effluent	TW-1	TW-2A	TW-3	Lim	itations
							(units)
Quantity treated, per day		9,193				Monitor	gallons
рН	6.9	7.1				6.5 to 8.5	standard units
Oil and Grease	< 0.5	< 5.0	NA	NA	NA	15	mg/L
Total Cyanide	<10	<10	NA	NA	NA	10	ug/L
TDS	350	540	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	91 J	85 J	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	57 J	< 200	NA	NA	NA	600	ug/L
Mercury	< 0.20	< 0.20	NA	NA	NA	0.8	ug/L
Manganese	170	58	NA	NA	NA	600	ug/L
Nickel	< 50	< 50	NA	NA	NA	200	ug/L
Zinc	9.8 J	13 J	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	740	< 0.50	1.2	930	38	5	ug/L
1,1,2-Trichloroethane	<13	< 0.50	<1.0	< 20	< 0.50	1.2	ug/L
1,1-Dichloroethane	250	< 0.50	48	300	40	5	ug/L
1,1-Dichloroethene	130	< 0.50	12	150	9.0	0.5	ug/L
1,2-Dichloroethane	<13	< 0.50	<1.0	<20	< 0.50	1.6	ug/L
Benzene	<13	< 0.50	<1.0	< 20	< 0.50	0.8	ug/L
Chlorobenzene	<13	< 0.50	<1.0	< 20	< 0.50	5	ug/L
Chloroethane	<13	< 0.50	<1.0	< 20	0.42 J	5	ug/L
cis -1,2-Dichloroethene	20	< 0.50	3.2	23	0.48 J	5	ug/L
Ethylbenzene	<13	< 0.50	<1.0	< 20	< 0.50	5	ug/L
Methyl tert-butyl ether	<13	< 0.50	<1.0	< 20	< 0.50	5	ug/L
o-Xylene	<13	< 0.50	<1.0	< 20	< 0.50	5	ug/L
p&m-Xylene	<13	< 0.50	<1.0	< 20	< 0.50	10	ug/L
Tetrachloroethene	<13	< 0.50	<1.0	< 20	< 0.50	1.4	ug/L
Toluene	<13	< 0.50	<1.0	<20	< 0.50	5	ug/L
trans -1,2-Dichloroethene	<13	< 0.50	<1.0	<20	< 0.50	5	ug/L
Trichloroethene	530	< 0.50	48	640	21	5	ug/L
Vinyl Chloride	<13	< 0.50	0.8 J	<20	< 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.

11-10 Tables.xls 1/19/2011

# Table 2 Summary of November 2010 O&M Data

# NOW Corporation Site Town of Clinton, New York

Instrumentation/Readings:	11/18/10	Units
TW-1		
Pumping Rate	1	GPM
Water Level Above Transducer	15.88	feet
Flow Meter Reading	5,774,200	gallons
Pump Pressure	85	psi
TW-2A		
Pumping Rate	~14	GPM
Water Level Above Transducer	18.79	feet
Flow Meter Reading	18,628,400	gallons
Pump Pressure	20	psi
TW-3		
Pumping Rate	2	GPM
Water Level Above Transducer	58.34	feet
Flow Meter Reading	8,321,200	gallons
Pump Pressure	75	psi
Air Stripper		
Stripper Blower Pressure	20	inches H <sub>2</sub> O
Air Temperature in Stripper	52	°F
Pressure Gauge - Left Leg	1.3	inches H <sub>2</sub> O
Pressure Gauge - Right Leg	2.0	inches H <sub>2</sub> O
Effluent Flow		
Effluent Flow this period (calculated)	266,600	gallons
Total Effluent Flow (calculated)	80,685,000	gallons

11-10 Tables.xls 1/19/2011

Report Date: 10-Dec-10 12:59





✓ Final Report

☐ Re-Issued Report

☐ Revised Report

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

# Laboratory Report

AECOM Technical Services, Inc. 40 British American Boulevard

Latham, NY 12110

Work Order: J2410

Project: NOW Corp. Site, 11/10

Project #:

Attn: Stephen Choiniere

Laboratory ID	Client Sample ID		<u>Matrix</u>	Date Sampled	Date Received
J2410-01	EFF-111810		Aqueous	18-Nov-10 11:10	19-Nov-10 09:15
J2410-02	INF-111810	•	Aqueous	18-Nov-10 11:25	19-Nov-10 09:15
J2410-03	TW-1		Aqueous	18-Nov-10 11:50	19-Nov-10 09:15
J2410-04	TW-2A		Aqueous	18-Nov-10 11:55	19-Nov-10 09:15
J2410-05	TW-3		Aqueous	18-Nov-10 12:00	19-Nov-10 09:15
J2410-06	TRIP BLANK		Aqueous	18-Nov-10 00:00	19-Nov-10 09:15

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 recevied. This report may not be reproduced, except in full, without written approval from Mitkem Laboratories.

All applicable NELAC or USEPA CLP requirments have been meet.

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







Yihai Ding Laboratory Director

Technical Reviewer's Initials:



#### REPORT NARRATIVE

Mitkem Laboratories, a Division of Spectrum Analytical, Inc.

Client: AECOM Technical Services, Inc.

Project: NOW Corp. Site

Laboratory Workorder / SDG #: J2410

#### SW846 8260C

#### I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

#### II. HOLDING TIMES

#### A. Sample Preparation:

All samples were prepared within the method-specified holding times.

#### B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

#### III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8260C

#### IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW5030B\_25\_PR(METHOD)

#### V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: V6

Instrument Type: GCMS-VOA Description: HP6890 / HP5973 Manufacturer: Hewlett-Packard

Model: 6890 / 5973

GC Column used: 30 m X 0.25 mm ID [1.40 um thickness] DB-624 capillary column.

#### VI. ANALYSIS

#### A. Calibration:

Calibrations met the method/SOP acceptance criteria.

#### B. Blanks:

All method blanks were within the acceptance criteria.

### C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

INF-111810 (J2410-02A), Percent Recovery is outside QC Limits, recovery is above criteria for 1,2-Dichloroethane-d4 at 132% with criteria of (79-115)

TW-2A (J2410-04A), Percent Recovery is outside QC Limits, recovery is above criteria for 1,2-Dichloroethane-d4 at 151% with criteria of (79-115)

(MB-55905), Percent Recovery is outside QC Limits, recovery is above criteria for 1,2-Dichloroethane-d4 at 156% with criteria of (79-115)

(MB-56033), Percent Recovery is outside QC Limits, recovery is below criteria for Dibromofluoromethane at 87% with criteria of (88-124)

#### D. Spikes:

#### 1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits with the following exceptions. Please note that most test procedures allow for several compounds outside of the QC limits for the LCS, although this may indicate a bias for this specific compound.

LCS-56033 in batch 56033, Percent Recovery is outside QC Limits, recovery is below criteria for 1,2-Dichloropropane at 86% with criteria of (86-119), Dibromomethane at 83% with criteria of (83-118), Toluene at 87% with criteria of (88-117), trans-1,3-Dichloropropene at 87% with criteria of (87-120). Please note that not all compounds were included in the analyte list for this project.

#### E. Internal Standards:

Internal standard peak areas were within the QC limits.

#### F. Dilutions:

The following samples were analyzed at dilution:

INF-111810 (J2410-02A): Dilution Factor: 25

TW-1 (J2410-03A): Dilution Factor: 2 TW-1 (J2410-03ADL): Dilution Factor: 5 TW-2A (J2410-04A): Dilution Factor: 40 TW-3 (J2410-05ADL): Dilution Factor: 2

#### H. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Mitkem, both technically and for completeness, except for the

conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed:

Date:

#### REPORT NARRATIVE

#### Mitkem Laboratories, a Division of Spectrum Analytical, Inc.

Client: AECOM Technical Services, Inc.

Project: NOW Corp. Site

Laboratory Workorder / SDG #: J2410

#### **EPA 1664A**

#### I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

#### II. HOLDING TIMES

#### A. Sample Preparation:

All samples were prepared within the method-specified holding times.

#### B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

#### III. METHODS

Samples were analyzed following procedures in laboratory test code: EPA 1664A

#### IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: E1664\_PR(SEPF)

#### V. INSTRUMENTATION

The following instrumentation was used to perform Oil and Grease analysis.

Instrument Type: Analytical Banlance

Manufacturer: Denver Instrument Company

Model: A-250

#### VI. ANALYSIS

#### A. Calibration:

Analytical balance was calibrated based on SOP/Method criteria.

#### B. Blanks:

All method blanks were within the acceptance criteria.

#### C. Spikes:

#### 1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

#### 2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

#### D. Duplicate sample:

No client-requested duplicate analyses were included in this SDG.

#### E. Samples:

No other unusual occurrences were noted during sample analysis.

No sample in this SDG required reanalysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Mitkem, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature

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Signed:

Date: 10/3//0

#### REPORT NARRATIVE

Mitkem Laboratories, a Division of Spectrum Analytical, Inc.

Client: AECOM Technical Services, Inc.

Project: NOW Corp. Site

Laboratory Workorder / SDG #: J2410

SW846 6010C, SW846 7470A

#### I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

#### II. HOLDING TIMES

#### A. Sample Preparation:

All samples were prepared within the method-specified holding times.

#### B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

#### III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 6010C, SW846 7470A

#### IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: ICP\_W\_PR(3005A)

#### V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: FIMS1 Instrument Type: CVAA Description: FIMS

Manufacturer: Perkin-Elmer

Model: FIMS

Instrument Code: OPTIMA2

Instrument Type: ICP

Description: Optima 3100 XL Manufacturer: Perkin-Elmer

Model: 3100 XL

#### VI. ANALYSIS

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Calibrations met the method/SOP acceptance criteria.

#### B. Blanks:

Method blanks were within the acceptance criteria

#### C. Spikes:

#### 1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

#### D. Serial Dilution (SD):

Percent differences were within the QC limits.

#### G. Samples:

No other unusual occurrences were noted during sample analysis.

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Signed: Www. Control Date: 12/8/10

#### REPORT NARRATIVE

Mitkem Laboratories, a Division of Spectrum Analytical, Inc.

Client: AECOM Technical Services, Inc.

Project: NOW Corp. Site

Laboratory Workorder / SDG #: J2410

SM 2540C, SM 2540D, SW846 9012B

#### I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

#### II. HOLDING TIMES

#### A. Sample Preparation:

All samples were prepared within the method-specified holding times.

#### B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

#### III. METHODS

Samples were analyzed following procedures in laboratory test code: SM 2540C, SM 2540D, SW846 9012B

#### IV. PREPARATION

#### V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: LACHAT1

Instrument Type: WC

Description: Flow Injection Analyzer Manufacturer: Zellweger Analytics

Model: Quik-Chem 8000

#### VI. ANALYSIS

#### A. Calibration:

Calibrations met the method/SOP acceptance criteria.

#### B. Blanks:

All method blanks were within the acceptance criteria.

#### C. Spikes:

#### 1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

#### D. Duplicate sample:

Relative percent differences were within the QC limits for total suspended solids analysis.

#### F. Samples:

No other unusual occurrences were noted during sample analysis.

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Signed

Date:\_\_\_\_\_\_

**Date:** 07-Dec-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF-111810

**Lab ID:** J2410-01

**Project:** NOW Corp. Site, 11/10

**Collection Date:** 11/18/10 11:10

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)				SW8260_25_W
Vinyl chloride	ND	0.50 µg/L	1 11/26/2010 16:23	55905
Chloroethane	ND	0.50 µg/L	1 11/26/2010 16:23	55905
1,1-Dichloroethene	ND	0.50 µg/L	1 11/26/2010 16:23	
trans-1,2-Dichloroethene	ND.	0.50 μg/L	1 11/26/2010 16:23	55905
Methyl tert-butyl ether	ND	0.50 µg/L	1 11/26/2010 16:23	55905
1,1-Dichloroethane	ND	0.50 µg/L	1 11/26/2010 16:23	55905
cis-1,2-Dichloroethene	ND	0.50 μg/L	1 11/26/2010 16:23	55905
1,1,1-Trichloroethane	ND	0.50 µg/L	1 11/26/2010 16:23	55905
1,2-Dichloroethane	ND	0.50 µg/L	1 11/26/2010 16:23	55905
Benzene	ND	0.50 µg/L	1 11/26/2010 16:23	55905
Trichloroethene	ND	0.50 µg/L	1 11/26/2010 16:23	55905
Toluene	ND	0.50 µg/L	1 11/26/2010 16:23	55905
1,1,2-Trichloroethane	ND	0.50 µg/L	1 11/26/2010 16:23	55905
Tetrachloroethene	ND	0.50 µg/L	1 11/26/2010 16:23	55905
Chlorobenzene	ND	0.50 µg/L	1 11/26/2010 16:23	55905
Ethylbenzene	ND	0.50 μg/L	1 11/26/2010 16:23	55905
m,p-Xylene	ND	0.50 µg/L	1 11/26/2010 16:23	55905
o-Xylene	ND .	0.50 µg/L	1 11/26/2010 16:23	55905
Surrogate: Dibromofluoromethane	104	88-124 %REC	1 11/26/2010 16:23	55905
Surrogate: 1,2-Dichloroethane-d4	102	79-115 %REC	1 11/26/2010 16:23	55905
Surrogate: Toluene-d8	95.3	80-114 %REC	1 11/26/2010 16:23	55905
Surrogate: Bromofluorobenzene	98.0	60-123 %REC	1 11/26/2010 16:23	55905

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

 $\boldsymbol{E}$  - Value above quantitation range

**Date:** 07-Dec-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF-111810

**Lab ID:** J2410-02

**Project:** NOW Corp. Site, 11/10

**Collection Date:** 11/18/10 11:25

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			SW	/8260_25_W
Vinyl chloride	ND	13 µg/L	25 11/26/2010 17:23	55905
Chloroethane	ND	13 μg/L	25 11/26/2010 17:23	55905
1,1-Dichloroethene	130	13 µg/L	25 11/26/2010 17:23	55905
trans-1,2-Dichloroethene	ND	13 µg/L	25 11/26/2010 17:23	55905
Methyl tert-butyl ether	ND	13 μg/L	25 11/26/2010 17:23	55905
1,1-Dichloroethane	250	13 μg/L	25 11/26/2010 17:23	55905
cis-1,2-Dichloroethene	20	13 μg/L	25 11/26/2010 17:23	55905
1,1,1-Trichloroethane	740	13 μg/L	25 11/26/2010 17:23	55905
1,2-Dichloroethane	ND	13 µg/L	25 11/26/2010 17:23	55905
Benzene	ND	13 µg/L	25 11/26/2010 17:23	55905
Trichloroethene	530	13 µg/L	25 11/26/2010 17:23	55905
Toluene	ND	13 µg/L	25 11/26/2010 17:23	55905
1,1,2-Trichloroethane	ND	13 μg/L	25 11/26/2010 17:23	55905
Tetrachloroethene	ND	13 µg/L	25 11/26/2010 17:23	55905
Chlorobenzene	ND	13 μg/Ľ	25 11/26/2010 17:23	55905
Ethylbenzene	ND	13 μg/L	25 11/26/2010 17:23	55905
m,p-Xylene	ND	13 µg/L	25 11/26/2010 17:23	55905
o-Xylene	ND	13 µg/L	25 11/26/2010 17:23	55905
Surrogate: Dibromofluoromethane	122	88-124 %REC	25 11/26/2010 17:23	55905
Surrogate: 1,2-Dichloroethane-d4	132 S	79-115 %REC	25 11/26/2010 17:23	55905
Surrogate: Toluene-d8	⇒ 84.0	80-114 %REC	25 11/26/2010 17:23	55905
Surrogate: Bromofluorobenzene	102	60-123 %REC	25 11/26/2010 17:23	55905

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation 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

**Date:** 07-Dec-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-1

**Lab ID:** J2410-03

Project: NOW Corp. Site, 11/10

**Collection Date:** 11/18/10 11:50

Analyses	Result Qual	RL Un	nits DF Date Analyzed	l Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)				SW8260_25_W
Vinyl chloride	0.80 J	1.0 µg/l	L 2 12/02/2010 20:17	56033
Chloroethane	ND	1.0 µg/l	L 2 12/02/2010 20:17	56033
1,1-Dichloroethene	12	1.0 µg/l	L 2 12/02/2010 20:17	56033
trans-1,2-Dichloroethene	ND .	1.0 µg/l	L 2 12/02/2010 20:17	56033
Methyl tert-butyl ether	ND	1.0 µg/l	L 2 12/02/2010 20:17	56033
1,1-Dichloroethane	48	1.0 µg/l	2 12/02/2010 20:17	56033
cis-1,2-Dichloroethene	3.2	1.0 µg/l	2 12/02/2010 20:17	56033
1,1,1-Trichloroethane	1.2	1.0 µg/l	2 12/02/2010 20:17	56033
1,2-Dichloroethane	ND	1.0 µg/l	2 12/02/2010 20:17	56033
Benzene	ND	1.0 µg/l	2 12/02/2010 20:17	56033
Trichloroethene	48	1.0 µg/l	2 12/02/2010 20:17	56033
Toluene	. ND	1.0 µg/l	2 12/02/2010 20:17	56033
1,1,2-Trichloroethane	ND .	1.0 µg/l	2 12/02/2010 20:17	56033
Tetrachloroethene	ND	1.0 µg/l	2 12/02/2010 20:17	56033
Chlorobenzene	ND	1.0 µg/L	2 12/02/2010 20:17	56033
Ethylbenzene	ND	1.0 μg/L	2 12/02/2010 20:17	56033
m,p-Xylene	ND	1.0 μg/L	2 12/02/2010 20:17	56033
o-Xylene	ND	1.0 μg/L	2 12/02/2010 20:17	56033
Surrogate: Dibromofluoromethane	103	88-124 %R	EC 2 12/02/2010 20:17	56033
Surrogate: 1,2-Dichloroethane-d4	94.3	79-115 %R	EC 2 12/02/2010 20:17	56033
Surrogate: Toluene-d8	97.1	80-114 %R	EC 2 12/02/2010 20:17	56033
Surrogate: Bromofluorobenzene	95.5	60-123 %R	EC 2 12/02/2010 20:17	56033

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation 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

**Date:** 07-Dec-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-1

**Lab ID:** J2410-03

Project: NOW Corp. Site, 11/10

**Collection Date:** 11/18/10 11:50

Analyses	Result (	Qual RL	Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)					SW8260_25_W
Vinyl chloride	ND	2.5	μg/L	5 11/26/2010 17:53	55905
Chloroethane	ND	2.5	µg/L	5 11/26/2010 17:53	55905
1,1-Dichloroethene	13	2.5	μg/L	5 11/26/2010 17:53	55905
trans-1,2-Dichloroethene	ND	2.5	μg/L	5 11/26/2010 17:53	55905
Methyl tert-butyl ether	· ND	2.5	μg/L	5 11/26/2010 17:53	55905
1,1-Dichloroethane	53	2.5	μg/L	5 11/26/2010 17:53	55905
cis-1,2-Dichloroethene	3.5	2.5	μg/L	5 11/26/2010 17:53	55905
1,1,1-Trichloroethane	ND	2.5	µg/L	5 11/26/2010 17:53	55905
1,2-Dichloroethane	, ND	2.5	µg/L	5 11/26/2010 17:53	55905
Benzene	ND	2.5	µg/L	5 11/26/2010 17:53	55905
Trichloroethene	51	2.5	μg/L	5 11/26/2010 17:53	55905
Toluene	, ND	2.5	µg/L	5 11/26/2010 17:53	55905
1,1,2-Trichloroethane	ND	2.5	µg/L	5 11/26/2010 17:53	55905
Tetrachloroethene	, <b>ND</b>	2.5	µg/L	5 11/26/2010 17:53	55905
Chlorobenzene	ND	2.5	µg/L	5 11/26/2010 17:53	55905
Ethylbenzene	ND	2.5	μg/L	5 11/26/2010 17:53	55905
m,p-Xylene	ND	2.5	μg/L	5 11/26/2010 17:53	55905
o-Xylene	ND	2.5	μg/L	5 11/26/2010 17:53	55905
Surrogate: Dibromofluoromethane	101	88-124	%REC	5 11/26/2010 17:53	55905
Surrogate: 1,2-Dichloroethane-d4	103	79-115	%REC	5 11/26/2010 17:53	55905
Surrogate: Toluene-d8	96.0	80-114	%REC	5 11/26/2010 17:53	55905
Surrogate: Bromofluorobenzene	97.8	60-123	%REC	5 11/26/2010 17:53	55905

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation 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

**Date:** 07-Dec-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-2A

Lab ID: J2410-04

**Project:** NOW Corp. Site, 11/10

**Collection Date:** 11/18/10 11:55

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			SW	8260_25_W
Vinyl chloride	ND	20 μg/L	40 11/26/2010 18:23	55905
Chloroethane	ND	20 μg/L	40 11/26/2010 18:23	55905
1,1-Dichloroethene	150	20 μg/L	40 11/26/2010 18:23	55905
trans-1,2-Dichloroethene	ND ·	20 µg/L	40 11/26/2010 18:23	55905
Methyl tert-butyl ether	ND	20 μg/L	40 11/26/2010 18:23	55905
1,1-Dichloroethane	300	20 μg/L	40 11/26/2010 18:23	55905
cis-1,2-Dichloroethene	23	20 μg/L	40 11/26/2010 18:23	55905
1,1,1-Trichloroethane	930	20 µg/L	40 11/26/2010 18:23	55905
1,2-Dichloroethane	ND	20 µg/L	40 11/26/2010 18:23	55905
Benzene	ND	20 µg/L	40 11/26/2010 18:23	55905
Trichloroethene	640	20 µg/L	40 11/26/2010 18:23	55905
Toluene	ND	20 μg/L	40 11/26/2010 18:23	55905
1,1,2-Trichloroethane	ND	20 µg/L	40 11/26/2010 18:23	55905
Tetrachloroethene	ND	20 μg/L	40 11/26/2010 18:23	55905
Chlorobenzene	ND	20 μg/L	40 11/26/2010 18:23	55905
Ethylbenzene	ND	20 μg/L	40 11/26/2010 18:23	55905
m,p-Xylene	ND	20 μg/L	40 11/26/2010 18:23	55905
o-Xylene	ND ND	20 µg/L	40 11/26/2010 18:23	55905
Surrogate: Dibromofluoromethane	122	88-124 %REC	40 11/26/2010 18:23	55905
Surrogate: 1,2-Dichloroethane-d4	151 S	79-115 %REC	40 11/26/2010 18:23	55905
Surrogate: Toluene-d8	84.2	80-114 %REC	40 11/26/2010 18:23	55905
Surrogate: Bromofluorobenzene	109	60-123 %REC	40 11/26/2010 18:23	55905

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

**Date:** 07-Dec-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-3

Lab ID: J2410-05

**Project:** NOW Corp. Site, 11/10

**Collection Date:** 11/18/10 12:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			SW	/8260_25_W
Vinyl chloride	ND ·	0.50 µg/L	1 11/26/2010 16:53	55905
Chloroethane	0.42 J	0.50 μg/L	1 11/26/2010 16:53	55905
1,1-Dichloroethene	9.0	0.50 μg/L	1 11/26/2010 16:53	55905
trans-1,2-Dichloroethene	ND	0.50 µg/L	1 11/26/2010 16:53	55905
Methyl tert-butyl ether	ND	0.50 µg/L	1 11/26/2010 16:53	55905
1,1-Dichloroethane	40	0.50 µg/L	1 11/26/2010 16:53	55905
cis-1,2-Dichloroethene	0.48 J	0.50 µg/L	1 11/26/2010 16:53	55905
1,1,1-Trichloroethane	43 E	0.50 µg/L	1 11/26/2010 16:53	55905
1,2-Dichloroethane	ND	0.50 µg/L	1 11/26/2010 16:53	55905
Вепzепе	ND	0.50 µg/L	1 11/26/2010 16:53	55905
Trichloroethene	21	0.50 µg/L	1 11/26/2010 16:53	55905
Toluene	ND	0.50 μg/L	1 11/26/2010 16:53	55905
1,1,2-Trichloroethane	ND	0.50 μg/L	1 11/26/2010 16:53	55905
Tetrachloroethene	ı ND	0.50 μg/L	1 11/26/2010 16:53	55905
Chlorobenzene	ND	0.50 μg/L	1 11/26/2010 16:53	55905
Ethylbenzene	ND	0.50 μg/L	1 11/26/2010 16:53	55905
m,p-Xylene	ND	0.50 μg/L	1 11/26/2010 16:53	55905
o-Xylene	ND	0.50 µg/L	1 11/26/2010 16:53	55905
Surrogate: Dibromofluoromethane	103	88-124 %REC	1 11/26/2010 16:53	55905
Surrogate: 1,2-Dichloroethane-d4	104	79-115 %REC	1 11/26/2010 16:53	55905
Surrogate: Toluene-d8	94.6	80-114 %REC	1 11/26/2010 16:53	55905
Surrogate: Bromofluorobenzene	98.5	60-123 %REC	1 11/26/2010 16:53	55905

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation 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

**Date:** 19-Jan-11

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-3

**Lab ID:** J2410-05

Project: NOW Corp. Site, 11/10

**Collection Date:** 11/18/10 12:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			SW	/8260_25_W
Vinyl chloride	ND	1.0 μg/L	2 12/02/2010 20:47	56033
Chloroethane	ND	1.0 µg/L	2 12/02/2010 20:47	56033
1,1-Dichloroethene	8.3	1.0 µg/L	2 12/02/2010 20:47	56033
trans-1,2-Dichloroethene	ND	1.0 µg/L	2 12/02/2010 20:47	56033
Methyl tert-butyl ether	ND	1.0 µg/L	2 12/02/2010 20:47	56033
1,1-Dichloroethane	36	1.0 µg/L	2 12/02/2010 20:47	56033
cis-1,2-Dichloroethene	0.45 J	1.0 μg/L	2 12/02/2010 20:47	56033
1,1,1-Trichloroethane	38	1.0 µg/L	2 12/02/2010 20:47	56033
1,2-Dichloroethane	ND	1.0 µg/L	2 12/02/2010 20:47	56033
Benzene	ND	1.0 µg/L	2 12/02/2010 20:47	56033
Trichloroethene	18	1.0 µg/L	2 12/02/2010 20:47	56033
Toluene	ND	1.0 µg/L	2 12/02/2010 20:47	56033
1,1,2-Trichloroethane	ND	1.0 µg/L	2 12/02/2010 20:47	56033
Tetrachloroethene	ND	1.0 µg/L	2 12/02/2010 20:47	56033
Chlorobenzene	ND	1.0 µg/L	2 12/02/2010 20:47	56033
Ethylbenzene	ND	1.0 µg/L	2 12/02/2010 20:47	56033
m,p-Xylene	ND -	1.0 µg/L	2 12/02/2010 20:47	56033
o-Xylene	ND	1.0 μg/L	2 12/02/2010 20:47	56033
Surrogate: Dibromofluoromethane	107	88-124 %REC	2 12/02/2010 20:47	56033
Surrogate: 1,2-Dichloroethane-d4	106	79-115 %REC	2 12/02/2010 20:47	56033
Surrogate: Toluene-d8	91.7	80-114 %REC	2 12/02/2010 20:47	56033
Surrogate: Bromofluorobenzene	98.5	60-123 %REC	2 12/02/2010 20:47	56033

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation 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

**Date:** 07-Dec-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TRIP BLANK

**Lab ID:** J2410-06

Project: NOW Corp. Site, 11/10

**Collection Date:** 11/18/10 0:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			SW826	0_25_W
Vinyl chloride	ND	0.50 μg/L	1 11/26/2010 15:53	55905
Chloroethane	ND	0.50 μg/L	1 11/26/2010 15:53	55905
1,1-Dichloroethene	ND	0.50 µg/L	1 11/26/2010 15:53	55905
trans-1,2-Dichloroethene	: ND	0.50 µg/L	1 11/26/2010 15:53	55905
Methyl tert-butyl ether	ND	0.50 µg/L	1 11/26/2010 15:53	55905
1,1-Dichloroethane	ND	0.50 μg/L	1 11/26/2010 15:53	55905
cis-1,2-Dichloroethene	ND .	0.50 μg/L	1 11/26/2010 15:53	55905
1,1,1-Trichloroethane	ND	0.50 μg/L	1 11/26/2010 15:53	55905
1,2-Dichloroethane	ND	0.50 μg/L	1 11/26/2010 15:53	. 55905
Benzene	ND	0.50 µg/L	1 11/26/2010 15:53	55905
Trichloroethene	ND	0.50 µg/L	1 11/26/2010 15:53	55905
Toluene	ND	0.50 µg/L	1 11/26/2010 15:53	55905
1,1,2-Trichloroethane	ND	0.50 µg/L	1 11/26/2010 15:53	55905
Tetrachloroethene	ND	0.50 µg/L	1 11/26/2010 15:53	55905
Chlorobenzene	ND	0.50 µg/L	1 11/26/2010 15:53	55905
Ethylbenzene	ND	0.50 µg/L	1 11/26/2010 15:53	55905
m,p-Xylene	ND	0.50 µg/L	1 11/26/2010 15:53	55905
o-Xylene	ND	0.50 μg/L	1 11/26/2010 15:53	55905
Surrogate: Dibromofluoromethane	103	88-124 %REC	1 11/26/2010 15:53	55905
Surrogate: 1,2-Dichloroethane-d4	103	79-115 %REC	1 11/26/2010 15:53	55905
Surrogate: Toluene-d8	95.7	80-114 %REC	1 11/26/2010 15:53	55905
Surrogate: Bromofluorobenzene	98.1	60-123 %REC	1 11/26/2010 15:53	55905

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation 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

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CLIENT:	AECOM Technical Services, Inc.	1 Services, In	ïĊ.		ANAL	ANALYTICAL QC SUMMARY REPORT	QC SUN	<b>IMAR</b>	Y-REPO	)RT		
Work Order:	J2410			SW	SW8260_25_W							
Project:	NOW Corp. Site, 11/10	11/10		SW	SW846 8260C VOC by GC-MS (25 mL Purge)	· VOC by GO	C-MS (25 n	ıL Purge				
Sample ID: MB-55905		SampType: MBLK	TestCo	TestCode: SW8260_25_W		Prep Date	Date: 11/26/10 13:32	0 13:32	Run ID	Run ID: V6_101126A		
Client ID: MB-55905		Batch ID: 55905	Uni	Units: µg/L		Analysis Date:	Date: 11/26/10 15:23	0 15:23	SeqNo	SeqNo: 1426979		
Analyte		Result	MDL	R	SPK value	SPK Ref Val		%REC LowLimit HighLimit	3hLimit	RPD Ref Val	%RPD RPDLimit	Qual
Vinyl chloride		ND	0.15	0.50								
Chloroethane		ND	0.24	0.50								
1,1-Dichloroethene		ND	0.19	0.50								
trans-1,2-Dichloroethene	əne	ND	0.14	0.50								
Methyl tert-butyl ether		ND	0.13	0.50								
1,1-Dichloroethane		ND	0.18	0.50								
cis-1,2-Dichloroethene	ø.	ND	0.19	0.50								
1,1,1-Trichloroethane		ND	0.11	0.50								
1,2-Dichloroethane		ND	0.16	0.50								
Benzene		ND	0.12	0.50								
Trichloroethene		ND	0.13	0.50								
Toluene		ND	0.14	0.50								
1,1,2-Trichloroethane		QN	0.20	0.50								
Tetrachloroethene		UND	0.17	0.50								
Chlorobenzene		ND	0.13	0.50								
Ethylbenzene		ON P	0.13	0.50								
m,p-Xylene		ND	0.22	0.50								
o-Xylene		ND	0.17	0.50								
Surrogate:		12.37		0.50	10.00	0	124	88	124	0		
Dibromonuorometnane				6	0		L F	. (	į. 1	¢		,
Surrogate: 1,2- Dichloroethane-d4	<b>⊣</b>	15.59		0.50	10.00	0	9CT .	8/	115	O		മ
Surrogate: Toluene-d8		8.329	r	0.50	10.00	0	83.3	08	114	0		
Surrogate	<del>T</del>	11.00		0.50	10.00	0	110	09	123	0		
Bromonluoropenzene												

Qualifiers: m10.08.12.A

J - Analyte detected below quanititation limits ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

CLIENT: A	AECOM Technical Services, Inc.	i			ANALY	FICAL QC	SUMIN	ANALYTICAL QC SUMMARY REPORT	ORT		
Work Order: J2 Project: N	J2410 NOW Corp. Site, 11/10			SW826 SW846	SW8260_25_W SW846 8260C V	SW8260_25_W SW846 8260C VOC by GC-MS (25 mL Purge)	IS (25 mL	Purge)			
Sample ID: MB-56033 Client ID: MB-56033	SampType: MBLK Batch ID: 56033	TestCo	TestCode: SW8260_ Units: ua/L	30_25_W		Prep Date:	12/02/10 16:59		Run ID: V6_101202A Section 1434910	-	
		MDL			SPK value	SPK Ref Val		it HighLim	RPD Ref Val	%RPD RPDLimit	Qual
Vinyl chloride	ND	0.15	0	0.50							
Chloroethane	ND	0.24	0	0.50							
1,1-Dichloroethene	ND	0.19	0	0.50							
trans-1,2-Dichloroethene	ne ND	0.14	0	0.50							
Methyl tert-butyl ether	ND	0.13	0	0.50							
1,1-Dichloroethane	ND	0.18	0	0.50							
cis-1,2-Dichloroethene	ND	0.19	0	0.50							
1,1,1-Trichloroethane	QN	0.11	0	0,50							
1,2-Dichloroethane	ND	0.16	0	0.50						. *	
Benzene	UD	0.12	0	0.50					,		
Trichloroethene	QN	0.13	0	0.50		•					
Toluene	QN	0.14	0	0.50							
1,1,2-Trichloroethane	ND	0.20	0	.50							
Tetrachloroethene	QN	0.17	0	.50							
Chlorobenzene	QN	0.13	0	. 50							
Ethylbenzene	ND	0.13	0	0.50							
m,p-Xylene	ND	0.22	0	0.50							
o-Xylene	ND	0.17	0	.50							
Surrogate:	8.669		0	0.50	10.00	0	86.7	88 124	0		W
Dibromofluoromethane											
Surrogate: 1,2-	8.330		0	0.50	10.00	0	83.3	79 115	0		
Surrogate: Toluene-d8	8 10.75		0	0.50	10.00	0	107	80 114	0		
Surrogate:	9.416		0	0.50	10.00	0	94.2	60 123	0		
Bromofluorobenzene											

J - Analyte detected below quanititation limits ND - Not Detected at the Reporting Limit

CLIENT:	AECOM T	AECOM Technical Services, Inc.	nc.		ANALY	ANALYTICAL OC SUMMARY REPORT		IMAR	Y REP	JRT		
Work Order:	J2410 NOW Corr	J2410 NOW Com. Site. 11/10		SWS SWS	SW8260_25_W SW846_8260C V	SW8260_25_W SW846 8260C VOC by GC-MS (25 m1 Purce)	(S (25 m)	I Pura	, (a			
								9				
Sample ID: TCS-55905	905	SampType: LCS	TestCo	TestCode: SW8260_25_W		Prep Date:	11/26/10 13:32	13:32	Run II	Run ID: V6_101126A		
Client ID: LCS-55905	905	Batch ID: 55905		Units: µg/L		Analysis Date:	11/26/10 13:52	13:52	SeqN	SeqNo: 1426978		
Analyte		Result	MDL	RL	SPK value	SPK Ref Val	%REC L	LowLimit HighLimit	lighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Vinyl chloride		10.91	0.15	0.50	10.00	0	109	77	120	0		
Chloroethane		10.06	0.24	0.50	10.00	0	101	75	135	0		
1,1-Dichloroethene		10.27	0.19	0.50	10.00	0	103	81	125	0		
trans-1,2-Dichloroethene	ane	10.19	0.14	0.50	10.00	. 0	102	09	137	0		
Methyl tert-butyl ether		10.58	0.13	0.50	10.00	0	106	61	134	0		
1,1-Dichloroethane		10.54	0.18	0.50	10.00	0	105	82	120	0		
cis-1,2-Dichloroethene	ø	10.52	0.19	05.0	10.00	0	105	84	116	0		
1,1,1-Trichloroethane		10.28	0.11	0.50	10.00	0	103	80	124	0		
1,2-Dichloroethane		10.73	0.16	0.50	10.00	0	107	98	117	0		
Benzene		10.36	0.12	0.50	10.00	0	104	81	121	. 0		
Trichloroethene		10.29	0.13	0.50	10.00	0	103	74	123	0		
Toluene		10.56	0.14	0.50	10.00	0	106	88	117	0		
1,1,2-Trichloroethane		10.18	0.20	0.50	10.00	0	102	83	121	0		
Tetrachloroethene		10.01	0.17	0.50	10.00	0	100	7.4	115	0		
Chlorobenzene	-	10.64	0.13	0.50	10.00	0	106	83	112	0		
Ethylbenzene		10.39	0.13	0.50	10.00	0	104	87	110	0		
m,p-Xylene		21.11	0.22	0.50	20.00	0	106	87	114	0		
o-Xylene		10.32	0.17	0.50	10.00	0	103	84	114	0		
Surrogate:		866.6		0.50	10.00	0	100	88	124	0		
Dibromofluoromethane	, <b>Q</b>											
Surrogate: 1,2-		9.827		0.50	10.00	0	98.3	79	115	0		
Surrogate Toluene-d8	<del>6</del>	9.882		0.50	10.00	0	98.8	80	114	0		
Surrogate:	<u> </u>	9.867		0.50	10.00	0	7.86	. 09	123	0		
Bromofluorobenzene												

J - Analyte detected below quantitation limits ND - Not Detected at the Reporting Limit

m10.08.12.A

O L Oualifiers:

B - Analyte detected in the associated Method Blank

		ANALY	ANALYTICAL OC SUMMARY REPORT	SUM	MAR	Y REPO	RT
	SW.	SW8260_25_W SW846 8260C \	VOC by GC-MS (25 mL Purge)	S (25 mL	, Purge		
TestCode	TestCode: SW8260_25_W		Prep Date:	12/02/10 16:59	6:59	Run ID: <b>V6_1</b>	V6_1
Units	Units: µg/L		Analysis Date:	12/02/10 17:46	7:46	SeqNo: 1434	1434
7.	RL	SPK value	SPK Ref Val	%REC Lo	LowLimit HighLimit	yhLimit	RPD
0.15	0.50	10.00	0	88.8	77	120	
0.24	0.50	10.00	0	83.6	75	135	0
0.19	0.50	10.00	0	86.5	81	125	O
0.14	0.50	10.00	0	85.5	09	137	0
0.13	05.0	10.00	0 .	86.5	61	134	0
0.18	0.50	10.00	. 0	8.98	82	120	O
0.19	0.50	10.00	0	86.2	84	116	O
0.11	0.50	10.00	0	9.68	80	124	0
0.16	0.50	10.00	0	89.1	98	117	0
0.12	0.50	10.00	0	87.7	81	121	0
0.13	0.50	10.00	0	89.7	7.4	123	0
0.14	0.50	10.00	0	87.4	88	117	0
0.20	0.50	10.00	0	84.3	83	121	0
0.17	0.50	10.00	0	94.3	74	115	0
0.13	0.50	10.00	0	93.3	83	112	0
0.13	0.50	10.00	0	92.2	8.7	110	0
0.22	0.50	20.00	0	94.2	87	114	0
0.17	0.50	10.00	0	93.4	84	114	0
	0.50	10.00	0	95.1	88	124	
	0.50	10.00	0	87.3	79	115	0
	0.50	10.00	0	104	80	114	0
	0.50	10.00	0	95.3	. 09	123	. 0

9.216

18.84

9.344

9.511

8.726

9.525

10.38

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

Bromofluorobenzene

**Dibromofluoromethane** 

Surrogate:

o-Xylene

ഗ

Qual

**%RPD RPDLimit** 

RPD Ref Val

MDL

Result

8.882

8.646 8.676

rans-1,2-Dichloroethene

,1-Dichloroethene

Chloroethane

/inyl chloride

Analyte

Methyl tert-butyl ether

8.650 8.550 8.915

8.768

8.974

8.738

8.431

,1,2-Trichloroethane

**Tetrachloroethene** 

Chlorobenzene

Ethylbenzene

m,p-Xylene

9.428 9.328

8.961

8.617

cis-1,2-Dichloroethene

,1-Dichloroethane

,1,1-Trichloroethane

,2-Dichloroethane

**Trichloroethene** 

Coluene

Benzene

Batch ID: 56033 SampType: LCS

Sample ID: LCS-56033 Client ID: LCS-56033

AECOM Technical Services, Inc.

NOW Corp. Site, 11/10

J2410

Work Order:

Project:

CLIENT:

Run ID: V6\_101202A

SeqNo: 1434908

Qualifiers:

m10.08.12.A

**Date:** 03-Dec-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF-111810

Lab ID: J2410-01

Project: NOW Corp. Site, 11/10

**Collection Date:** 11/18/10 11:10

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
EPA 1664A Oil & Grease, HEM				E1664
Oil & Grease, Total Recoverable	ND	5.0 mg/L	1 12/03/2010 0:00	55977

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

**Date:** 03-Dec-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF-111810

Lab ID: J2410-02

Project: NOW Corp. Site, 11/10

**Collection Date:** 11/18/10 11:25

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
EPA 1664A Oil & Grease, HEM				E1664
Oil & Grease, Total Recoverable	ND	5.0 mg/L	1 12/03/2010 0:00	55977

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

Mitkem Laboratories	ries					Date:	Date: 12/03/2010 13:04	
	AECOM Technical Services, Inc.	16.		TICAL QC	ANALYTICAL QC SUMMARY REPORT	REPORT		
Work Order: J2410 Project: NOW	12410 NOW Corp. Site, 11/10		EPA 1664A Oil & Grease, HEM	& Grease, HE	M			
Sample ID: <b>MB-55977</b>	SampType: MBLK	TestCode: E1664		Prep Date:	Prep Date: 12/02/10 7:58	Run ID: MANUAL_101203A	1203A	
Client ID: MB-55977	Batch ID: 55977	Units: mg/L		Analysis Date: 12/03/10 0:00	12/03/10 0:00	SeqNo: 1432148		
Analyte	Result	MDL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	Limit RPD Ref Val	%RPD RPDLimit	Qual
Oil & Grease, Total Recoverable	ND	1.2 5.0						
Sample ID: LCS-55977	SampType: LCS	TestCode: E1664		Prep Date:	Prep Date: 12/02/10 7:58	Run ID: MANUAL_101203A	1203A	
Client ID: LCS-55977	Batch ID: 55977	Units: mg/L		Analysis Date: 12/03/10 0:00	12/03/10 0:00	SeqNo: 1432146		
Analyte	Result	MDL RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	Limit RPD Ref Val	%RPD RPDLimit Qual	Quai
Oil & Grease, Total Recoverable	37.70	1.2 5.0	40.00	0	94.3 78	114 0		
Sample ID: LCSD-55977	SampType: LCSD	TestCode: <b>E1664</b>		Prep Date:	Prep Date: 12/02/10 7:58	Run ID: MANUAL_101203A	1203A	
Client ID: LCSD-55977	Batch ID: 55977	Units: mg/L		Analysis Date: 12/03/10 0:00	12/03/10 0:00	SeqNo: 1432147		
Analyte	Result	MDL RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	Limit RPD Ref Val	%RPD RPDLimit	Qual
Oil & Grease, Total Recoverable	38.00	1.2 5.0	40.00	0	95.0 78	114 37.70	0.793 18	

B - Analyte detected in the associated Method Blank

**Date:** 06-Dec-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF-111810

**Lab ID:** J2410-01

Project: NOW Corp. Site, 11/10

**Collection Date:** 11/18/10 11:10

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 6010C Metals by ICP				SW6010_W
Aluminum	ND	200 μg/L	1 11/27/2010 13:35	55883
Arsenic	ND	20 μg/L	1 11/27/2010 13:35	55883
Barium	85 J	200 μg/L	1 11/27/2010 13:35	55883
Chromium	ND	20 μg/L	1 11/27/2010 13:35	55883
Copper	ND	25 μg/L	1 11/27/2010 13:35	55883
Iron	ND	200 μg/L	1 11/27/2010 13:35	55883
Manganese	58	50 μg/L	1 11/27/2010 13:35	55883
Nickel	ND	50 μg/L	1 11/27/2010 13:35	55883
Zinc	13 J	50 μg/L	1 11/27/2010 13:35	55883
SW846 7470A Mercury by FIA				SW7470
Mercury	ND	0.20 μg/L	1 12/04/2010 10:47	56054

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation 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

**Date:** 06-Dec-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF-111810

Lab ID: J2410-02

Project: NOW Corp. Site, 11/10

**Collection Date:** 11/18/10 11:25

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 6010C Metals by ICP				SW6010_W
Aluminum	ND	200 μg/L	1 11/27/2010 13:38	55883
Arsenic	ND	20 μg/L	1 11/27/2010 13:38	55883
Barium	91 J	200 μg/L	1 11/27/2010 13:38	55883
Chromium	ND	20 μg/L	1 11/27/2010 13:38	55883
Copper	ND	25 μ <b>g/</b> L	1 11/27/2010 13:38	55883
Iron	57 J	200 μg/L	1 11/27/2010 13:38	55883
Manganese	170	50 μg/L	1 11/27/2010 13:38	55883
Nickel	ND	50 μg/L	1 11/27/2010 13:38	55883
Zinc	9.8 J	50 μg/L	1 11/27/2010 13:38	55883
SW846 7470A Mercury by FIA				SW7470
Mercury	ND	0.20 µg/L	1 12/04/2010 10:49	56054

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

ANALYTICAL QC SUMMARY REPORT

AECOM Technical Services, Inc.

J2410

Work Order:

CLIENT:

SW6010\_W

Project: NOW C	NOW Corp. Site, 11/10		. 01	SW846 6010C - Metals by ICP	<b>Jetals by ICP</b>						
Sample ID: <b>MB-55883</b>	SampType: MBLK	TestCode	TestCode: SW6010_W		Prep Date: 11/24/10 10:00	11/24/10	10:00	Run	Run ID: OPTIMA2_101127A	127A	
Client ID: MB-55883	Batch ID: 55883	Units	Units: µg/L		Analysis Date:	11/27/10 12:10	12:10	SedN	SeqNo: 1426531		,
Analyte	Result	MDL	꿉	SPK value	SPK Ref Val	"REC L	%REC LowLimit HighLimit	hLimit	RPD Ref Val	%RPD RPDLimit	Qual
Aluminum	ND	99	200								
Arsenic	ND	4.3	20								
Barium	ND	1.1	200								
Chromium	QN	0.64	20								
Copper	ON	3.6	30								
Iron	ND	31	200								
Manganese	ND	10	50								
Nickel	ND	0.85	50								
Zinc	ND	4.9	50								
Sample ID: LCS-55883	SampType: LCS	TestCode	TestCode: SW6010_W		Prep Date: 11/24/10 10:00	11/24/10	10:00	Run	Run ID: OPTIMA2_101127A	1127A	
Client ID: LCS-55883	Batch ID: 55883	Units	Units: µg/L		Analysis Date:	11/27/10 12:13	12:13	SedN	SeqNo: 1426532		
Analyte	Result	MDL	꿉	SPK value	SPK Ref Val	%REC L	%REC LowLimit HighLimit	hLimit	RPD Ref Val	%RPD RPDLimit	Qual
Aluminum	8666	99	200	9100	0	95.2	08	120	0		
Arsenic	481.9	4.3	20	455.0	0	106	80	120	0		
Barium	8797	1.1	200	9100	0	7.96	80	120	0		
Chromium	6.698	0.64	20	910.0	0	92.6	80	120	0		
Copper	1095	3.6	30	1130	0	6.96	80	120	0		
Iron	4463	31	200	4550	0	98.1	80	120	0		
Manganese	2225	10	50	2270	0	0.86	80	120	0		
Nickel	2172	0.85	50	2270	0	95.7	80	120	0		
Zinc	2178	6.4	50	2270	0	95.9	80	120	0		

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

			TACATA VARMINIO DO INDITA INNA	
CLIENT:	AECOM Lechnical Services, Inc.		THE TAIL THE SOUTH THE THE TAIL THE TAI	
Work Order:	J2410		SW7470	
Project:	NOW Corp. Site, 11/10		SW846 7470A Mercury by FIA	
Sample ID: <b>MB-56054</b>	6054 SampType: MBLK	TestCode: SW7470	Prep Date: 12/03/10 10:45 Run ID: FIMS1_101204C	9

Sample ID: <b>MB-56054</b>	SampType: MBLK	TestCode	TestCode: SW7470		Prep Date:	Prep Date: 12/03/10 10:45	Run ID	Run ID: FIMS1_101204C	Ş	
Client ID: MB-56054	Batch ID: 56054	Units:	Units: µg/L		Analysis Date:	12/04/10 10:23	SedNc	SeqNo: 1433183		
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	SPK Ref Val %REC LowLimit HighLimit	HighLimit	RPD Ref Val	RPD Ref Val %RPD RPDLimit Qual	Qual
Mercury	ND	0.028	0.20							
Sample ID: LCS-56054	SampType: LCS	TestCode	TestCode: SW7470		Prep Date:	Prep Date: 12/03/10 10:45	Run IE	Run ID: FIMS1_101204C	<b>4</b> C	
Client ID: LCS-56054	Batch ID: 56054	Units:	Units: µg/L		Analysis Date:	Analysis Date: 12/04/10 10:24	SedNc	SeqNo: 1433184		
Analyte	Result	MDL	R	SPK value	SPK Ref Val	SPK Ref Val %REC LowLimit HighLimit	HighLimit	RPD Ref Val	RPD Ref Val %RPD RPDLimit Qual	Qual
Mercury	4.695	0.028	0.20	4.550	0	103 80	120	0		
Sample ID: LCSD-56054	SampType: LCSD	TestCode	TestCode: SW7470		Prep Date:	Prep Date: 12/03/10 10:45	Run II	Run ID: FIMS1_101204C	4C	
Client ID: LCSD-56054	Batch ID: 56054	Units	Units: µg/L		Analysis Date:	Analysis Date: 12/04/10 11:11	SedNo	SeqNo: 1433212		
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	SPK Ref Val %REC LowLimit HighLimit	HighLimit	RPD Ref Val	RPD Ref Val %RPD RPDLimit Qual	Qual
Mercury	4.614	0.028	0.20	4.550	0	101 80	120	4.695	1.74 20	

B - Analyte detected in the associated Method Blank

**Date:** 10-Dec-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF-111810 Project: NOW Corp. Site, 11/10

**Lab ID:** J2410-01 **Collection Date:** 11/18/10 11:10

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SM 2540C TOTAL DISSOLVED SOLIDS				SM2540_TDS
Total Dissolved Solids	540	10 mg/L	1 11/22/2010 6:30	55776
SM 2540D TOTAL SUSPENDED SOLIDS				SM2540_TSS
Total Suspended Solids	ND	10 mg/L	1 11/22/2010 1:38	55777
SW846 9012B Total Cyanide				SW9012_W
Cyanide	ND	10 ug/L	1 12/01/2010 14:59	55992

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

**Date:** 10-Dec-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF-111810

**Lab ID:** J2410-02

Project: NOW Corp. Site, 11/10

**Collection Date:** 11/18/10 11:25

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SM 2540C TOTAL DISSOLVED SOLIDS				SM2540_TDS
Total Dissolved Solids	350	10 mg/L	1 11/22/2010 7:10	55776
SM 2540D TOTAL SUSPENDED SOLIDS				SM2540_TSS
Total Suspended Solids	ND	10 mg/L	1 11/22/2010 3:55	55777
SW846 9012B Total Cyanide				SW9012_W
Cyanide	ND	10 ug/L	1 12/01/2010 15:02	55992

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation 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

AECOM Technical Services, Inc. CLIENT:

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ANALYTICAL QC SUMMARY REPORT

Work Order: J2410	10		SS	SM2540_TDS						
Project: NO	NOW Corp. Site, 11/10	-	SM	SM 2540C TOTAL DISSOLVED SOLIDS	AL DISSOLV	ED SOLIDS			-	
Sample ID: MB-55776	SampType: MBLK	<u>⊢</u>	TestCode: SM2540_TDS		Prep Date:	Prep Date: 11/21/10 16:30	Run ID	Run ID: MANUAL_101121E	1121E	
Client ID: MB-55776	Batch ID: 55776		Units: mg/L		Analysis Date:	Analysis Date: 11/21/10 16:30	SedNo	SeqNo: <b>1429675</b>		
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	SPK Ref Val %REC LowLimit HighLimit	HighLimit	RPD Ref Val	RPD Ref Val %RPD RPDLimit Qual	Qual
Total Dissolved Solids	ND	10	10	0	0	0 0	0	0		
Sample ID: LCS-55776	SampType: LCS	-	TestCode: SM2540_TDS		Prep Date.	Prep Date: 11/21/10 16:30	Run I	Run ID: MANUAL_101121E	1121E	
Client ID: LCS-55776	Batch ID: 55776		Units: mg/L		Analysis Date:	Analysis Date: 11/21/10 17:10	SedNc	SeqNo: 1429676		
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	SPK Ref Val %REC LowLimit HighLimit	HighLimit	RPD Ref Val	RPD Ref Val %RPD RPDLimit Qual	Qual
Total Dissolved Solids	400.0	10	10	410.0	0	97.6	120	0		

B - Analyte detected in the associated Method Blank

ANALYTICAL QC SUMMARY REPORT	SM2540_TSS	SM 2540D TOTAL SUSPENDED SOLIDS	Tout Outs. SMORAN TSS Pres Date: 11/21/10 16:30 Run ID: MANUAL 101121C
AECOM Technical Services, Inc.	J2410	NOW Corp. Site, 11/10	Counting: MD K
CLIENT:	Work Order:	Project:	Control Control

Sample ID: MB-55777	SampType: MBLK		TestCode: SM2540_TSS		Prep Date:	Prep Date: 11/21/10 16:30	Run ID: MANUAL_101121C	NUAL_1011	121C	
Client ID: MB-55777	Batch ID: <b>55777</b>		Units: mg/L		Analysis Date:	Analysis Date: 11/21/10 16:30	SeqNo: 1424222	24222		
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	SPK Ref Val %REC LowLimit HighLimit		RPD Ref Val	%RPD RPDLimit Qual	Qual
Total Suspended Solids	QN	10	10							
Sample ID: LCS-55777	SampType: LCS		TestCode: SM2540_TSS		Prep Date:	Prep Date: 11/21/10 16:30	Run ID: MA	Run ID: MANUAL_101121C	121C	
Client ID: LCS-55777	Batch ID: 55777		Units: mg/L		Analysis Date:	Analysis Date: 11/21/10 18:47	SeqNo: 1424223	24223		
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	SPK Ref Val %REC LowLimit HighLimit		D Ref Val	RPD Ref Val %RPD RPDLimit Qual	Qual
Total Suspended Solids	64.00	10	10	66.40	0	96.4 80	120	0		İ
Sample ID: J2410-02BDUP	SampType: DUP		TestCode: SM2540_TSS		Prep Date: Analysis Date:	Prep Date: 11/21/10 16:30 Analysis Date: 11/22/10 6:12	Run ID: MANUAL	Run ID: MANUAL_101121C SegNo: 1424228	121C	
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit		RPD Ref Val	%RPD RPDLimit Qual	Qual
Total Suspended Solids	QN	10	10	0	0	0 0	0	0	0 5.0	

J - Analyte detected below quantitation limits ND - Not Detected at the Reporting Limit

Qualifiers: m10.08.12.A

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ANALYTICAL QC SUMMARY REPORT	
AECOM Technical Services, Inc.	

SW9012\_W

NOW Corp. Site, 11/10

J2410

Work Order:

Project:

CLIENT:

SW846 9012B -- Total Cyanide

Sample ID: <b>MB-55992</b>	SampType: MBLK	TestCo	TestCode: SW9012_W		Prep Date:	Prep Date: 12/01/10 10:00		Run ID: LACHAT1_101201A	1201A	
Client ID: MB-55992	Batch ID: 55992	รัก เ	Units: ug/L		Analysis Date:	Analysis Date: 12/01/10 14:54		SeqNo: 1431133		
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	it HighLimit	RPD Ref Val	RPD Ref Val %RPD RPDLimit Qual	Qual
Cyanide	ND	7.5	20							
Sample ID: LCS-55992	SampType: LCS	TestCo	TestCode: SW9012_W		Prep Date:	Prep Date: 12/01/10 10:00		Run ID: LACHAT1_101201A	1201A	
Client ID: LCS-55992	Batch ID: 55992	ű	Units: ug/L		Analysis Date:	Analysis Date: 12/01/10 14:56		SeqNo: 1431134		
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	SPK Ref Val %REC LowLimit HighLimit	ıit HighLimit	RPD Ref Val	%RPD RPDLimit Qual	Qual
Cyanide	102.5	7.5	20	100.0	0	102 80	120	0		

B - Analyte detected in the associated Method Blank

WorkOrder: J2410

11/19/2010 17:35

Mitkem Laboratories

Report Level: LEVEL 2

EDD:

Special Program:

Client ID: EARTH\_NY
Project: NOW Corp. Site

**Project:** NOW Corp. Site **WO Name:** NOW Corp. Site

Location: NOW\_CORP,

Comments: N/A

HC Due: 12/07/10

Fax Due:

Fax Report:

Case: SDG: **PO:** 94017.02

Lab Samp IL	Lab Samp ID Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF HT MS	SEL S	SEL Storage
J2410-01A	EFF-111810	11/18/2010 11:10 11/19/2010	11/19/2010	Aqueous	SW8260_25_W	/ use for VOCs,		)\ <b>≻</b>	VOA
J2410-01B J2410-01B	EFF-111810 EFF-111810	11/18/2010 11:10	11/19/2010	Aqueous Aqueous	SM2540_TDS SM2540_TSS	,		D3	D3
J2410-01C J2410-01C	EFF-111810 EFF-111810	11/18/2010 11:10	11/19/2010	Aqueous	SW6010_W SW7470	/ See SEL list / See SEL list		→ M A A	4 4
J2410-01D	EFF-111810	11/18/2010 11:10	11/19/2010	Aqueous	SW9012_W			Y D3	3
J2410-01E	EFF-111810	11/18/2010 11:10	11/19/2010	Aqueous	E1664	1		D3	3
J2410-02A	INF-111810	11/18/2010 11:25	11/19/2010	Aqueous	SW8260_25_W	/ use for VOCs,		)     	VOA
J2410-02B J2410-02B	INF-111810 INF-111810	11/18/2010 11:25	11/19/2010	Aqueous Aqueous	SM2540_TDS SM2540_TSS	,		23	ဗ ဗ
J2410-02C J2410-02C	INF-111810 INF-111810	11/18/2010 11:25	11/19/2010	Aqueous	SW6010_W SW7470	/ See SEL list / See SEL list		→ M4	4 4
J2410-02D	INF-111810	11/18/2010 11:25	11/19/2010	Aqueous	SW9012_W			Y D3	m
J2410-02E	INF-111810	11/18/2010 11:25	11/19/2010	Aqueous	E1664			D3	က
J2410-03A	TW-1	11/18/2010 11:50	11/19/2010	Aqueous	SW8260_25_W	/ use for VOCs,		)   	VOA
J2410-04A	TW-2A	11/18/2010 11:55	11/19/2010	Aqueous	SW8260_25_W	/ use for VOCs,		) }	VOA
J2410-05A	TW-3	11/18/2010 12:00	11/19/2010	Aqueous	SW8260_25_W	/ use for VOCs,		) }	VOA
J2410-06A	TRIP BLANK	11/18/2010 00:00 11/19/2010	11/19/2010	Aqueous	SW8260_25_W	/ use for VOCs,		) }	VOA

Lab Client Rep: Edward A Lawler

HT = Test logged in but has been placed on hold

RD All TAT's subject to laboratory approval.  Min. 24-hour notification needed for rushes.  Samples disposed of after 30 days unless otherwise instructed.	te Co	6	valuate below:	Analyses:  QA/QC Reporting Level II  Level II  Level III  Level III  Level III	שמיב	State specific reporting standards:	X X X X X X X X X X X X X X X X X X X	\ \ \ \	24,4					11/18/10 15:30	E11/2/2 0915
OF CUSTODY RECORD	Same	RQN:	6=Ascorbic Acid 7=CH <sub>3</sub> OH List prese $2 \frac{4}{9} \frac{9}{9}$	Glass	X VOA V Amber Clear C	A 10 # D 10 # T 10 #		х х М					Relinquished by:	Stew Les Mr. 1.	The Contraction of the Contracti
MITKEM  LABORATORIES  ADVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY	Report To: AECOM 40 British American Blud. Latham NY 12110	Project Mgr.: Stephen Choiniere P.O. No.:	$1=Na_2S2O_3$ $2=HCI$ $3=H_2SO_4$ $4=HNO_3$ $5=NaOH$ $6=1$ $8=NaHSO_4$ $9=4$ $2=10=$	DW=Drinking Water GW=Groundwater WW=Wastewater O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air X1= X2= X3=	G=Grab C=Composite	Jaナ10 Lab Id: Sample Id: Date: Time:	EFF-111810 11/18/10 11:10	111 01/18/10 11/18/10 11	11:50 11:50	TW-24 11/18/10	65 1W-3 11/18/10 16:00		□ E-mail to	EDD Format	

175 Metro Center Boulevard • Warwick, RI 02886-1755 • 401-732-3400 • Fax 401-732-3499 • www.mitkem.com

Condition upon receipt: \( \begin{align\*} \begin{al

# MITKEM LABORATORIES

Sample Condition Form

	Sar	npie Conditio	n Forn	11			Page		of	
Received By:	۶۳ Reviewed E	By: O'Aer		Date:	Maho	Mitke	m Wo	rk Ord	er#: 5	1×410
Client Project:	NOW CORP			Clien		Ear		19		Soil Headspace
	(				T	rvatio	T	T	VOA	Air Bubble
		Lab Samp	T	1	H <sub>2</sub> SO₄	HCI		H₃PO₄		1/4"
1) Cooler Sealed	Yes / No	J2410	01	<2			717		Н	
			02	67			712			
2) Custody Seal(s)	Present / Absent		<u> ७५</u>							
	2001ers / Bottles		04							
	Intact / Broken		02						Y	
		Jaylo	00	İ					Fr	
3) Custody Seal Numbe	r(s) NA									
	1									
	·						_			/
4) Chain-of-Custody	Present / Absent									
i, chair or ouclous	1 Joseph 7 November 1						-		/	
5) Cooler Temperature	4°C				1			A		
IR Temp Gun ID	4°C MT-1		<del> </del>					/-		
Coolant Condition	ia					$\neg$				
Coolant Condition	14					-4	$\rightarrow$			<del></del>
C) A ( d. 947 - )	D ( ) ( ) ( )			·		<del>द</del> े /				
6) Airbill(s)	Present / Absent					<del>/</del>				
Airbill Number(s)	Fedtx	ļ								
	869079239254				$\overline{}$					
				/						
7) Samples Bottles	Intact / Broken / Leaking									
8) Date Received	9.15									
9) Time Received	9:15									
Preservative Name/Lot N	lo.:	/								
	The same of the sa	**************************************	VOA N	Matrix	Key:		<del></del>			
			i	US = l					4 = Aiı	
	***************************************					served	Aque	ous I		
				M = M		1			5 = En	
See Sample	e Condition Notification/Corre	ective Action F		N = Na /es/ n		<del>f</del>			= = Fre	eeze
Form ID: QAF.0006	2 Condition (Combatton/Oom		V.111 )		~		2 ad O	K ves	/ no	

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