

Operation, Maintenance and Monitoring Report July 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

September 2010

September 7, 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: "July" 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 34-day period (**June 22 – July 26, 2010**).

With the exceptions noted below, if any, the P&T system was online and operational throughout the reporting period. Approximately 434,500 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 12,800 gallons per day (gpd), slightly more than the 11,800 gpd in the prior reporting period.

As of the last day of the reporting period, a total of 79,684,000 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 July 26, 2010. **Effluent limitations were not exceeded for any analytes.** A copy of the analytical laboratory report is attached. Table 2 summarizes selected operational data recorded on the sampling date.

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

July 26 – Monthly O&M service visit. Noted that flow meter for TW-2A was not working (may account in part for low monthly system discharge); cleaned meter.

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: July 26, 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		12,779				Monitor	gpd
pH	6.8	7.1				6.5 to 8.5	standard units
Oil and Grease	28	<5.0	NA	NA	NA	15	mg/L
Total Cyanide	<10	<10	NA	NA	NA	10	ug/L
TDS	280	280	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	77 J	86 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	68 J	49 J	NA	NA	NA	600	ug/L
Mercury	<0.20	<0.20	NA	NA	NA	0.8	ug/L
Manganese	120	53	NA	NA	NA	600	ug/L
Nickel	<50	1.2 J	NA	NA	NA	200	ug/L
Zinc	8.1 BJ	12 BJ	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	310	<0.50	0.91	930	20	5	ug/L
1,1,2-Trichloroethane	<0.50	<0.50	<0.50	0.40 J	<0.50	1.2	ug/L
1,1-Dichloroethane	120	<0.50	57	320	31	5	ug/L
1,1-Dichloroethene	24	<0.50	15	36 J	2.5	0.5	ug/L
1,2-Dichloroethane	<0.50	<0.50	<0.50	<50	<0.50	1.6	ug/L
Benzene	<0.50	<0.50	<0.50	<50	<0.50	0.8	ug/L
Chlorobenzene	<0.50	<0.50	<0.50	<50	<0.50	5	ug/L
Chloroethane	0.94	<0.50	1.2	1.1	0.87	5	ug/L
cis -1,2-Dichloroethene	8.5	<0.50	2.7	21	<0.50	5	ug/L
Ethylbenzene	<0.50	<0.50	<0.50	<50	<0.50	5	ug/L
Methyl tert-butyl ether	<0.50	<0.50	<0.50	<50	<0.50	5	ug/L
o-Xylene	<0.50	<0.50	<0.50	<50	<0.50	5	ug/L
p&m-Xylene	<0.50	<0.50	<0.50	<50	<0.50	10	ug/L
Tetrachloroethene	<0.50	<0.50	<0.50	<50	<0.50	1.4	ug/L
Toluene	<0.50	<0.50	<0.50	<50	<0.50	5	ug/L
trans -1,2-Dichloroethene	<0.50	<0.50	<0.50	0.27 J	<0.50	5	ug/L
Trichloroethene	170	<0.50	44	500	10	5	ug/L
Vinyl Chloride	0.95	<0.50	0.87	2.3	<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 July 2010 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		7/26/10	Units
<i>TW-1</i>			
	Pumping Rate	2	GPM
	Water Level Above Transducer	21.33	feet
	Flow Meter Reading	5,665,600	gallons
	Pump Pressure	74	psi
<i>TW-2A</i>			
	Pumping Rate	~14	GPM
	Water Level Above Transducer	19.88	feet
	Flow Meter Reading	17,898,300	gallons
	Pump Pressure	19	psi
<i>TW-3</i>			
	Pumping Rate	5	GPM
	Water Level Above Transducer	16.55	feet
	Flow Meter Reading	8,159,400	gallons
	Pump Pressure	60	psi
<i>Air Stripper</i>			
	Stripper Blower Pressure	22	inches H ₂ O
	Air Temperature in Stripper	54	°F
	Pressure Gauge - Left Leg	0.8	inches H ₂ O
	Pressure Gauge - Right Leg	0.5	inches H ₂ O
<i>Effluent Flow</i>			
	Effluent Flow this period (calculated)	434,500	gallons
	Total Effluent Flow (calculated)	79,684,500	gallons

Report Date:
11-Aug-10 17:43



- ☒ 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: J1486
Project : NOW Corp. Site
Project #:

Attn: Stephen Choiniere

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
J1486-01	EFF-072610	Aqueous	26-Jul-10 12:20	27-Jul-10 09:00
J1486-02	INF-072610	Aqueous	26-Jul-10 12:30	27-Jul-10 09:00
J1486-03	TW-1	Aqueous	26-Jul-10 12:35	27-Jul-10 09:00
J1486-04	TW-2A	Aqueous	26-Jul-10 12:40	27-Jul-10 09:00
J1486-05	TW-3	Aqueous	26-Jul-10 12:45	27-Jul-10 09:00
J1486-06	TRIP BLANK	Aqueous	26-Jul-10 00:00	27-Jul-10 09:00

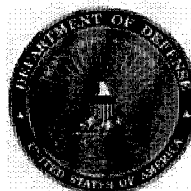
I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received.

All applicable NELAC or USEPA CLP requirements have been met.

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

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

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



Authorized by:

A handwritten signature in black ink.

Yihai Ding
Laboratory Director

Technical Reviewer's Initials:

A handwritten signature in black ink.

Report of Laboratory Analyses for AECOM Technical Services

Client Project: NOW Corp. 94017.02, 07/10

Mitkem Work Order ID: J1486

August 11, 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, 07/10

Lab Work Order: J1486

Date samples received: 07/27/10

Project Narrative

This data report includes the analysis results for six (6) aqueous samples that were received from AECOM Technical Services on July 27, 2010. Analyses were performed per specification in the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and laboratory sample ID.

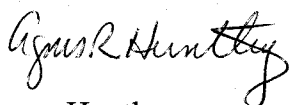
Surrogate recoveries were within the QC limits for volatile organic analyses. Percent recoveries in laboratory control sample were within the QC limits. The following samples were re-analyzed at dilution: INF-072610 (40x), TW-1 (2x) and TW-2A (100x).

Spike recoveries were within the QC limits in the laboratory control samples for metals, total dissolved solids, total suspended solids and cyanide analyses. Spike recovery was marginally low for oil and grease in the laboratory control sample. A matrix spike was performed in the same oil and grease extraction batch with recovery within the QC limits. Duplicate analysis was performed on sample INF-072610 for total dissolved solids and total suspended solids. Percent RPD was within the QC limits for both analyses. Zinc was detected below the reporting limit but above the method detection limit in method blank MB-53228. Where zinc is also detected in a sample, the concentration is 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: 10-Aug-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF-072610

Lab ID: J1486-01

Project: NOW Corp. Site

Collection Date: 07/26/10 12:20

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	07/29/2010 16:12	53253
Chloroethane	ND		0.50	µg/L	1	07/29/2010 16:12	53253
1,1-Dichloroethene	ND		0.50	µg/L	1	07/29/2010 16:12	53253
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	07/29/2010 16:12	53253
Methyl tert-butyl ether	ND		0.50	µg/L	1	07/29/2010 16:12	53253
1,1-Dichloroethane	ND		0.50	µg/L	1	07/29/2010 16:12	53253
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	07/29/2010 16:12	53253
1,1,1-Trichloroethane	ND		0.50	µg/L	1	07/29/2010 16:12	53253
1,2-Dichloroethane	ND		0.50	µg/L	1	07/29/2010 16:12	53253
Benzene	ND		0.50	µg/L	1	07/29/2010 16:12	53253
Trichloroethene	ND		0.50	µg/L	1	07/29/2010 16:12	53253
Toluene	ND		0.50	µg/L	1	07/29/2010 16:12	53253
1,1,2-Trichloroethane	ND		0.50	µg/L	1	07/29/2010 16:12	53253
Tetrachloroethene	ND		0.50	µg/L	1	07/29/2010 16:12	53253
Chlorobenzene	ND		0.50	µg/L	1	07/29/2010 16:12	53253
Ethylbenzene	ND		0.50	µg/L	1	07/29/2010 16:12	53253
m,p-Xylene	ND		0.50	µg/L	1	07/29/2010 16:12	53253
o-Xylene	ND		0.50	µg/L	1	07/29/2010 16:12	53253
Surrogate: Dibromofluoromethane	102		88-124	%REC	1	07/29/2010 16:12	53253
Surrogate: 1,2-Dichloroethane-d4	98.9		79-115	%REC	1	07/29/2010 16:12	53253
Surrogate: Toluene-d8	101		80-114	%REC	1	07/29/2010 16:12	53253
Surrogate: Bromofluorobenzene	93.0		60-123	%REC	1	07/29/2010 16:12	53253

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

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

0003

Mitkem Laboratories**Date:** 10-Aug-10**Client:** AECOM Technical Services, Inc.**Client Sample ID:** INF-072610**Lab ID:** J1486-02**Project:** NOW Corp. Site**Collection Date:** 07/26/10 12:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	0.95		0.50	µg/L	1	07/29/2010 16:40	53253
Chloroethane	0.94		0.50	µg/L	1	07/29/2010 16:40	53253
1,1-Dichloroethene	24		0.50	µg/L	1	07/29/2010 16:40	53253
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	07/29/2010 16:40	53253
Methyl tert-butyl ether	ND		0.50	µg/L	1	07/29/2010 16:40	53253
1,1-Dichloroethane	170	E	0.50	µg/L	1	07/29/2010 16:40	53253
cis-1,2-Dichloroethene	8.5		0.50	µg/L	1	07/29/2010 16:40	53253
1,1,1-Trichloroethane	560	E	0.50	µg/L	1	07/29/2010 16:40	53253
1,2-Dichloroethane	ND		0.50	µg/L	1	07/29/2010 16:40	53253
Benzene	ND		0.50	µg/L	1	07/29/2010 16:40	53253
Trichloroethene	280	E	0.50	µg/L	1	07/29/2010 16:40	53253
Toluene	ND		0.50	µg/L	1	07/29/2010 16:40	53253
1,1,2-Trichloroethane	ND		0.50	µg/L	1	07/29/2010 16:40	53253
Tetrachloroethene	ND		0.50	µg/L	1	07/29/2010 16:40	53253
Chlorobenzene	ND		0.50	µg/L	1	07/29/2010 16:40	53253
Ethylbenzene	ND		0.50	µg/L	1	07/29/2010 16:40	53253
m,p-Xylene	ND		0.50	µg/L	1	07/29/2010 16:40	53253
o-Xylene	ND		0.50	µg/L	1	07/29/2010 16:40	53253
Surrogate: Dibromofluoromethane	111		88-124	%REC	1	07/29/2010 16:40	53253
Surrogate: 1,2-Dichloroethane-d4	101		79-115	%REC	1	07/29/2010 16:40	53253
Surrogate: Toluene-d8	102		80-114	%REC	1	07/29/2010 16:40	53253
Surrogate: Bromofluorobenzene	93.4		60-123	%REC	1	07/29/2010 16:40	53253

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

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

Mitkem Laboratories**Date:** 10-Aug-10**Client:** AECOM Technical Services, Inc.**Client Sample ID:** INF-072610**Lab ID:** J1486-02**Project:** NOW Corp. Site**Collection Date:** 07/26/10 12:30

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		20	µg/L	40	07/30/2010 14:25	53276
Chloroethane	ND		20	µg/L	40	07/30/2010 14:25	53276
1,1-Dichloroethene	ND		20	µg/L	40	07/30/2010 14:25	53276
trans-1,2-Dichloroethene	ND		20	µg/L	40	07/30/2010 14:25	53276
Methyl tert-butyl ether	ND		20	µg/L	40	07/30/2010 14:25	53276
1,1-Dichloroethane	120		20	µg/L	40	07/30/2010 14:25	53276
cis-1,2-Dichloroethene	ND		20	µg/L	40	07/30/2010 14:25	53276
1,1,1-Trichloroethane	310		20	µg/L	40	07/30/2010 14:25	53276
1,2-Dichloroethane	ND		20	µg/L	40	07/30/2010 14:25	53276
Benzene	ND		20	µg/L	40	07/30/2010 14:25	53276
Trichloroethene	170		20	µg/L	40	07/30/2010 14:25	53276
Toluene	ND		20	µg/L	40	07/30/2010 14:25	53276
1,1,2-Trichloroethane	ND		20	µg/L	40	07/30/2010 14:25	53276
Tetrachloroethene	ND		20	µg/L	40	07/30/2010 14:25	53276
Chlorobenzene	ND		20	µg/L	40	07/30/2010 14:25	53276
Ethylbenzene	ND		20	µg/L	40	07/30/2010 14:25	53276
m,p-Xylene	ND		20	µg/L	40	07/30/2010 14:25	53276
o-Xylene	ND		20	µg/L	40	07/30/2010 14:25	53276
Surrogate: Dibromofluoromethane	107		88-124	%REC	40	07/30/2010 14:25	53276
Surrogate: 1,2-Dichloroethane-d4	95.9		79-115	%REC	40	07/30/2010 14:25	53276
Surrogate: Toluene-d8	103		80-114	%REC	40	07/30/2010 14:25	53276
Surrogate: Bromofluorobenzene	94.7		60-123	%REC	40	07/30/2010 14:25	53276

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

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

0005

Mitkem Laboratories

Date: 10-Aug-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-1

Lab ID: J1486-03

Project: NOW Corp. Site

Collection Date: 07/26/10 12:35

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	0.87		0.50	µg/L	1	07/29/2010 17:07	53253
Chloroethane	1.2		0.50	µg/L	1	07/29/2010 17:07	53253
1,1-Dichloroethene	15		0.50	µg/L	1	07/29/2010 17:07	53253
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	07/29/2010 17:07	53253
Methyl tert-butyl ether	ND		0.50	µg/L	1	07/29/2010 17:07	53253
1,1-Dichloroethane	62	E	0.50	µg/L	1	07/29/2010 17:07	53253
cis-1,2-Dichloroethene	2.7		0.50	µg/L	1	07/29/2010 17:07	53253
1,1,1-Trichloroethane	0.91		0.50	µg/L	1	07/29/2010 17:07	53253
1,2-Dichloroethane	ND		0.50	µg/L	1	07/29/2010 17:07	53253
Benzene	ND		0.50	µg/L	1	07/29/2010 17:07	53253
Trichloroethene	49	E	0.50	µg/L	1	07/29/2010 17:07	53253
Toluene	ND		0.50	µg/L	1	07/29/2010 17:07	53253
1,1,2-Trichloroethane	ND		0.50	µg/L	1	07/29/2010 17:07	53253
Tetrachloroethene	ND		0.50	µg/L	1	07/29/2010 17:07	53253
Chlorobenzene	ND		0.50	µg/L	1	07/29/2010 17:07	53253
Ethylbenzene	ND		0.50	µg/L	1	07/29/2010 17:07	53253
m,p-Xylene	ND		0.50	µg/L	1	07/29/2010 17:07	53253
o-Xylene	ND		0.50	µg/L	1	07/29/2010 17:07	53253
Surrogate: Dibromofluoromethane	101		88-124	%REC	1	07/29/2010 17:07	53253
Surrogate: 1,2-Dichloroethane-d4	99.0		79-115	%REC	1	07/29/2010 17:07	53253
Surrogate: Toluene-d8	102		80-114	%REC	1	07/29/2010 17:07	53253
Surrogate: Bromofluorobenzene	94.2		60-123	%REC	1	07/29/2010 17:07	53253

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

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

0006

Mitkem Laboratories

Date: 10-Aug-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-1

Lab ID: J1486-03

Project: NOW Corp. Site

Collection Date: 07/26/10 12:35

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		1.0	µg/L	2	07/30/2010 13:58	53276
Chloroethane	ND		1.0	µg/L	2	07/30/2010 13:58	53276
1,1-Dichloroethene	14		1.0	µg/L	2	07/30/2010 13:58	53276
trans-1,2-Dichloroethene	ND		1.0	µg/L	2	07/30/2010 13:58	53276
Methyl tert-butyl ether	ND		1.0	µg/L	2	07/30/2010 13:58	53276
1,1-Dichloroethane	57		1.0	µg/L	2	07/30/2010 13:58	53276
cis-1,2-Dichloroethene	2.5		1.0	µg/L	2	07/30/2010 13:58	53276
1,1,1-Trichloroethane	ND		1.0	µg/L	2	07/30/2010 13:58	53276
1,2-Dichloroethane	ND		1.0	µg/L	2	07/30/2010 13:58	53276
Benzene	ND		1.0	µg/L	2	07/30/2010 13:58	53276
Trichloroethene	44		1.0	µg/L	2	07/30/2010 13:58	53276
Toluene	ND		1.0	µg/L	2	07/30/2010 13:58	53276
1,1,2-Trichloroethane	ND		1.0	µg/L	2	07/30/2010 13:58	53276
Tetrachloroethene	ND		1.0	µg/L	2	07/30/2010 13:58	53276
Chlorobenzene	ND		1.0	µg/L	2	07/30/2010 13:58	53276
Ethylbenzene	ND		1.0	µg/L	2	07/30/2010 13:58	53276
m,p-Xylene	ND		1.0	µg/L	2	07/30/2010 13:58	53276
o-Xylene	ND		1.0	µg/L	2	07/30/2010 13:58	53276
Surrogate: Dibromofluoromethane	99.6		88-124	%REC	2	07/30/2010 13:58	53276
Surrogate: 1,2-Dichloroethane-d4	93.1		79-115	%REC	2	07/30/2010 13:58	53276
Surrogate: Toluene-d8	104		80-114	%REC	2	07/30/2010 13:58	53276
Surrogate: Bromofluorobenzene	92.1		60-123	%REC	2	07/30/2010 13:58	53276

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

0007

Mitkem Laboratories

Date: 10-Aug-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-2A

Project: NOW Corp. Site

Lab ID: J1486-04

Collection Date: 07/26/10 12:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	2.3		0.50	µg/L		1 07/29/2010 17:34	53253
Chloroethane	1.1		0.50	µg/L		1 07/29/2010 17:34	53253
1,1-Dichloroethene	59	E	0.50	µg/L		1 07/29/2010 17:34	53253
trans-1,2-Dichloroethene	0.27	J	0.50	µg/L		1 07/29/2010 17:34	53253
Methyl tert-butyl ether	ND		0.50	µg/L		1 07/29/2010 17:34	53253
1,1-Dichloroethane	410	E	0.50	µg/L		1 07/29/2010 17:34	53253
cis-1,2-Dichloroethene	21		0.50	µg/L		1 07/29/2010 17:34	53253
1,1,1-Trichloroethane	1100	E	0.50	µg/L		1 07/29/2010 17:34	53253
1,2-Dichloroethane	ND		0.50	µg/L		1 07/29/2010 17:34	53253
Benzene	ND		0.50	µg/L		1 07/29/2010 17:34	53253
Trichloroethene	930	E	0.50	µg/L		1 07/29/2010 17:34	53253
Toluene	ND		0.50	µg/L		1 07/29/2010 17:34	53253
1,1,2-Trichloroethane	0.40	J	0.50	µg/L		1 07/29/2010 17:34	53253
Tetrachloroethene	ND		0.50	µg/L		1 07/29/2010 17:34	53253
Chlorobenzene	ND		0.50	µg/L		1 07/29/2010 17:34	53253
Ethylbenzene	ND		0.50	µg/L		1 07/29/2010 17:34	53253
m,p-Xylene	ND		0.50	µg/L		1 07/29/2010 17:34	53253
o-Xylene	ND		0.50	µg/L		1 07/29/2010 17:34	53253
Surrogate: Dibromofluoromethane	123		88-124	%REC		1 07/29/2010 17:34	53253
Surrogate: 1,2-Dichloroethane-d4	99.9		79-115	%REC		1 07/29/2010 17:34	53253
Surrogate: Toluene-d8	102		80-114	%REC		1 07/29/2010 17:34	53253
Surrogate: Bromofluorobenzene	95.2		60-123	%REC		1 07/29/2010 17:34	53253

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

0008

Mitkem Laboratories

Date: 10-Aug-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-2A

Lab ID: J1486-04

Project: NOW Corp. Site

Collection Date: 07/26/10 12:40

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		50	µg/L	100	07/30/2010 14:52	53276
Chloroethane	ND		50	µg/L	100	07/30/2010 14:52	53276
1,1-Dichloroethene	36	J	50	µg/L	100	07/30/2010 14:52	53276
trans-1,2-Dichloroethene	ND		50	µg/L	100	07/30/2010 14:52	53276
Methyl tert-butyl ether	ND		50	µg/L	100	07/30/2010 14:52	53276
1,1-Dichloroethane	320		50	µg/L	100	07/30/2010 14:52	53276
cis-1,2-Dichloroethene	20	J	50	µg/L	100	07/30/2010 14:52	53276
1,1,1-Trichloroethane	930		50	µg/L	100	07/30/2010 14:52	53276
1,2-Dichloroethane	ND		50	µg/L	100	07/30/2010 14:52	53276
Benzene	ND		50	µg/L	100	07/30/2010 14:52	53276
Trichloroethene	500		50	µg/L	100	07/30/2010 14:52	53276
Toluene	ND		50	µg/L	100	07/30/2010 14:52	53276
1,1,2-Trichloroethane	ND		50	µg/L	100	07/30/2010 14:52	53276
Tetrachloroethene	ND		50	µg/L	100	07/30/2010 14:52	53276
Chlorobenzene	ND		50	µg/L	100	07/30/2010 14:52	53276
Ethylbenzene	ND		50	µg/L	100	07/30/2010 14:52	53276
m,p-Xylene	ND		50	µg/L	100	07/30/2010 14:52	53276
o-Xylene	ND		50	µg/L	100	07/30/2010 14:52	53276
Surrogate: Dibromofluoromethane	104		88-124	%REC	100	07/30/2010 14:52	53276
Surrogate: 1,2-Dichloroethane-d4	98.3		79-115	%REC	100	07/30/2010 14:52	53276
Surrogate: Toluene-d8	101		80-114	%REC	100	07/30/2010 14:52	53276
Surrogate: Bromofluorobenzene	93.9		60-123	%REC	100	07/30/2010 14:52	53276

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

0009

Mitkem Laboratories

Date: 10-Aug-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-3

Lab ID: J1486-05

Project: NOW Corp. Site

Collection Date: 07/26/10 12:45

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	07/30/2010 13:31	53276
Chloroethane	0.87		0.50	µg/L	1	07/30/2010 13:31	53276
1,1-Dichloroethene	2.5		0.50	µg/L	1	07/30/2010 13:31	53276
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	07/30/2010 13:31	53276
Methyl tert-butyl ether	ND		0.50	µg/L	1	07/30/2010 13:31	53276
1,1-Dichloroethane	31		0.50	µg/L	1	07/30/2010 13:31	53276
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	07/30/2010 13:31	53276
1,1,1-Trichloroethane	20		0.50	µg/L	1	07/30/2010 13:31	53276
1,2-Dichloroethane	ND		0.50	µg/L	1	07/30/2010 13:31	53276
Benzene	ND		0.50	µg/L	1	07/30/2010 13:31	53276
Trichloroethene	10		0.50	µg/L	1	07/30/2010 13:31	53276
Toluene	ND		0.50	µg/L	1	07/30/2010 13:31	53276
1,1,2-Trichloroethane	ND		0.50	µg/L	1	07/30/2010 13:31	53276
Tetrachloroethene	ND		0.50	µg/L	1	07/30/2010 13:31	53276
Chlorobenzene	ND		0.50	µg/L	1	07/30/2010 13:31	53276
Ethylbenzene	ND		0.50	µg/L	1	07/30/2010 13:31	53276
m,p-Xylene	ND		0.50	µg/L	1	07/30/2010 13:31	53276
o-Xylene	ND		0.50	µg/L	1	07/30/2010 13:31	53276
Surrogate: Dibromofluoromethane	101		88-124	%REC	1	07/30/2010 13:31	53276
Surrogate: 1,2-Dichloroethane-d4	91.4		79-115	%REC	1	07/30/2010 13:31	53276
Surrogate: Toluene-d8	105		80-114	%REC	1	07/30/2010 13:31	53276
Surrogate: Bromofluorobenzene	92.0		60-123	%REC	1	07/30/2010 13:31	53276

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

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

Mitkem Laboratories

Date: 10-Aug-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TRIP BLANK

Lab ID: J1486-06

Project: NOW Corp. Site

Collection Date: 07/26/10 0:00

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	07/29/2010 15:45	53253
Chloroethane	ND		0.50	µg/L	1	07/29/2010 15:45	53253
1,1-Dichloroethene	ND		0.50	µg/L	1	07/29/2010 15:45	53253
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	07/29/2010 15:45	53253
Methyl tert-butyl ether	ND		0.50	µg/L	1	07/29/2010 15:45	53253
1,1-Dichloroethane	ND		0.50	µg/L	1	07/29/2010 15:45	53253
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	07/29/2010 15:45	53253
1,1,1-Trichloroethane	ND		0.50	µg/L	1	07/29/2010 15:45	53253
1,2-Dichloroethane	ND		0.50	µg/L	1	07/29/2010 15:45	53253
Benzene	ND		0.50	µg/L	1	07/29/2010 15:45	53253
Trichloroethene	ND		0.50	µg/L	1	07/29/2010 15:45	53253
Toluene	ND		0.50	µg/L	1	07/29/2010 15:45	53253
1,1,2-Trichloroethane	ND		0.50	µg/L	1	07/29/2010 15:45	53253
Tetrachloroethene	ND		0.50	µg/L	1	07/29/2010 15:45	53253
Chlorobenzene	ND		0.50	µg/L	1	07/29/2010 15:45	53253
Ethylbenzene	ND		0.50	µg/L	1	07/29/2010 15:45	53253
m,p-Xylene	ND		0.50	µg/L	1	07/29/2010 15:45	53253
o-Xylene	ND		0.50	µg/L	1	07/29/2010 15:45	53253
Surrogate: Dibromofluoromethane	100		88-124	%REC	1	07/29/2010 15:45	53253
Surrogate: 1,2-Dichloroethane-d4	98.6		79-115	%REC	1	07/29/2010 15:45	53253
Surrogate: Toluene-d8	103		80-114	%REC	1	07/29/2010 15:45	53253
Surrogate: Bromofluorobenzene	95.1		60-123	%REC	1	07/29/2010 15:45	53253

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

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

CLIENT: AECOM Technical Services, Inc.

Work Order: J1486

Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: MB-53253	SampType: MBLK	TestCode: SW8260_25_W	Prep Date: 07/29/10 12:14	Run ID: V2_100729A								
Client ID: MB-53253	Batch ID: 53253	Units: µg/L	Analysis Date: 07/29/10 15:18	SeqNo: 1352927								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	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	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	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	ND	0.20	0.50									
Tetrachloroethene	ND	0.17	0.50									
Chlorobenzene	ND	0.13	0.50									
Ethylbenzene	ND	0.13	0.50									
m,p-Xylene	ND	0.22	0.50									
o-Xylene	ND	0.17	0.50									
Surrogate:	10.11		0.50	10.00	0	101	88	124	0			
Dibromofluoromethane												
Surrogate: 1,2-Dichloroethane-d4	9.957		0.50	10.00	0	99.6	79	115	0			
Surrogate: Toluene-d8	10.22		0.50	10.00	0	102	80	114	0			
Surrogate:	9.370		0.50	10.00	0	93.7	60	123	0			
Bromofluorobenzene												

0012

Qualifiers: ND - Not Detected at the Reporting Limit

S - Recovery outside accepted recovery limits

MDL - Method Detection Limit

B - Analyte detected in the associated Method Blank

m10.07.02.A

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit

CLIENT: AECOM Technical Services, Inc.

Work Order: J1486

Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: MB-53276	SampType: MBLK	TestCode: SW8260_25_W	Prep Date: 07/30/10 10:59	Run ID: V2_100730A								
Client ID: MB-53276	Batch ID: 53276	Units: µg/L	Analysis Date: 07/30/10 13:04	SeqNo: 1353589								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	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	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	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	ND	0.20	0.50									
Tetrachloroethene	ND	0.17	0.50									
Chlorobenzene	ND	0.13	0.50									
Ethylbenzene	ND	0.13	0.50									
m,p-Xylene	ND	0.22	0.50									
o-Xylene	ND	0.17	0.50									
Surrogate:	10.45		0.50	10.00	0	104	88	124	0			
Dibromofluoromethane												
Surrogate: 1,2-Dichloroethane-d4	10.17		0.50	10.00	0	102	79	115	0			
Surrogate: Toluene-d8	10.25		0.50	10.00	0	102	80	114	0			
Surrogate:	9.219		0.50	10.00	0	92.2	60	123	0			
Bromofluorobenzene												

0015

Qualifiers: ND - Not Detected at the Reporting Limit

S - Recovery outside accepted recovery limits

MDL - Method Detection Limit

B - Analyte detected in the associated Method Blank

m10.07.02.A

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit

CLIENT: AECOM Technical Services, Inc.
 Work Order: J1486
 Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

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

Sample ID: LCS-53253		SampType: LCS		TestCode: SW8260_25_W		Prep Date: 07/29/10 12:14			Run ID: V2_100729A			
Client ID: LCS-53253		Batch ID: 53253		Units: µg/L		Analysis Date: 07/29/10 13:48			SeqNo: 1352925			
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	10.06	0.15	0.50	10.00	0	101	77	120	0			
Chloroethane	10.28	0.24	0.50	10.00	0	103	75	135	0			
1,1-Dichloroethene	9.707	0.19	0.50	10.00	0	97.1	81	125	0			
trans-1,2-Dichloroethene	9.809	0.14	0.50	10.00	0	98.1	60	137	0			
Methyl tert-butyl ether	10.98	0.13	0.50	10.00	0	110	61	134	0			
1,1-Dichloroethane	10.08	0.18	0.50	10.00	0	101	82	120	0			
cis-1,2-Dichloroethene	9.833	0.19	0.50	10.00	0	98.3	84	116	0			
1,1,1-Trichloroethane	9.928	0.11	0.50	10.00	0	99.3	80	124	0			
1,2-Dichloroethane	9.868	0.16	0.50	10.00	0	98.7	86	117	0			
Benzene	9.797	0.12	0.50	10.00	0	98.0	81	121	0			
Trichloroethene	9.420	0.13	0.50	10.00	0	94.2	74	123	0			
Toluene	9.511	0.14	0.50	10.00	0	95.1	88	117	0			
1,1,2-Trichloroethane	10.34	0.20	0.50	10.00	0	103	83	121	0			
Tetrachloroethene	9.352	0.17	0.50	10.00	0	93.5	74	115	0			
Chlorobenzene	9.788	0.13	0.50	10.00	0	97.9	83	112	0			
Ethylbenzene	9.851	0.13	0.50	10.00	0	98.5	87	110	0			
m,p-Xylene	19.89	0.22	0.50	20.00	0	99.4	87	114	0			
o-Xylene	10.03	0.17	0.50	10.00	0	100	84	114	0			
Surrogate:	10.27		0.50	10.00	0	103	88	124	0			
Dibromofluoromethane												
Surrogate: 1,2-Dichloroethane-d4	10.72		0.50	10.00	0	107	79	115	0			
Surrogate: Toluene-d8	9.930		0.50	10.00	0	99.3	80	114	0			
Surrogate:	10.22		0.50	10.00	0	102	60	123	0			
Bromofluorobenzene												

001

CLIENT: AECOM Technical Services, Inc.
 Work Order: J1486
 Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

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

Sample ID: LCS-53276		SampType: LCS		TestCode: SW8260_25_W		Prep Date: 07/30/10 10:59			Run ID: V2_100730A			
Client ID: LCS-53276		Batch ID: 53276		Units: µg/L		Analysis Date: 07/30/10 11:42			SeqNo: 1353587			
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.962	0.15	0.50	10.00	0	99.6	77	120	0			
Chloroethane	10.53	0.24	0.50	10.00	0	105	75	135	0			
1,1-Dichloroethene	8.673	0.19	0.50	10.00	0	86.7	81	125	0			
trans-1,2-Dichloroethene	9.078	0.14	0.50	10.00	0	90.8	60	137	0			
Methyl tert-butyl ether	9.232	0.13	0.50	10.00	0	92.3	61	134	0			
1,1-Dichloroethane	9.248	0.18	0.50	10.00	0	92.5	82	120	0			
cis-1,2-Dichloroethene	8.649	0.19	0.50	10.00	0	86.5	84	116	0			
1,1,1-Trichloroethane	9.299	0.11	0.50	10.00	0	93.0	80	124	0			
1,2-Dichloroethane	8.676	0.16	0.50	10.00	0	86.8	86	117	0			
Benzene	8.845	0.12	0.50	10.00	0	88.5	81	121	0			
Trichloroethene	8.418	0.13	0.50	10.00	0	84.2	74	123	0			
Toluene	8.606	0.14	0.50	10.00	0	86.1	88	117	0			S
1,1,2-Trichloroethane	8.861	0.20	0.50	10.00	0	88.6	83	121	0			
Tetrachloroethene	8.416	0.17	0.50	10.00	0	84.2	74	115	0			
Chlorobenzene	8.637	0.13	0.50	10.00	0	86.4	83	112	0			
Ethylbenzene	8.868	0.13	0.50	10.00	0	88.7	87	110	0			
m,p-Xylene	18.20	0.22	0.50	20.00	0	91.0	87	114	0			
o-Xylene	8.923	0.17	0.50	10.00	0	89.2	84	114	0			
Surrogate:	10.08		0.50	10.00	0	101	88	124	0			
Dibromofluoromethane												
Surrogate: 1,2-Dichloroethane-d4	9.510		0.50	10.00	0	95.1	79	115	0			
Surrogate: Toluene-d8	10.05		0.50	10.00	0	101	80	114	0			
Surrogate:	9.320		0.50	10.00	0	93.2	60	123	0			
Bromofluorobenzene												

0015

CLIENT: AECOM Technical Services, Inc.

Work Order: J1486

Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: LCSD-53253		SampType: LCSD		TestCode: SW8260_25_W		Prep Date: 07/29/10 12:14			Run ID: V2_100729A			
Client ID: LCSD-53253		Batch ID: 53253		Units: µg/L		Analysis Date: 07/29/10 14:24			SeqNo: 1352926			
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	10.81	0.15	0.50	10.00	0	108	77	120	10.06	7.26	40	
Chloroethane	10.79	0.24	0.50	10.00	0	108	75	135	10.28	4.85	40	
1,1-Dichloroethene	10.34	0.19	0.50	10.00	0	103	81	125	9.707	6.34	40	
trans-1,2-Dichloroethene	10.58	0.14	0.50	10.00	0	106	60	137	9.809	7.53	40	
Methyl tert-butyl ether	11.31	0.13	0.50	10.00	0	113	61	134	10.98	3.0	40	
1,1-Dichloroethane	10.54	0.18	0.50	10.00	0	105	82	120	10.08	4.46	40	
cis-1,2-Dichloroethene	10.52	0.19	0.50	10.00	0	105	84	116	9.833	6.75	40	
1,1,1-Trichloroethane	10.40	0.11	0.50	10.00	0	104	80	124	9.928	4.64	40	
1,2-Dichloroethane	10.78	0.16	0.50	10.00	0	108	86	117	9.868	8.83	40	
Benzene	10.49	0.12	0.50	10.00	0	105	81	121	9.797	6.83	40	
Trichloroethene	10.48	0.13	0.50	10.00	0	105	74	123	9.420	10.7	40	
Toluene	10.05	0.14	0.50	10.00	0	100	88	117	9.511	5.47	40	
1,1,2-Trichloroethane	10.72	0.20	0.50	10.00	0	107	83	121	10.34	3.65	40	
Tetrachloroethene	9.906	0.17	0.50	10.00	0	99.1	74	115	9.352	5.75	40	
Chlorobenzene	10.44	0.13	0.50	10.00	0	104	83	112	9.788	6.44	40	
Ethylbenzene	10.23	0.13	0.50	10.00	0	102	87	110	9.851	3.74	40	
m,p-Xylene	20.90	0.22	0.50	20.00	0	104	87	114	19.89	4.94	40	
o-Xylene	10.62	0.17	0.50	10.00	0	106	84	114	10.03	5.75	40	
Surrogate:	10.14		0.50	10.00	0	101	88	124	0			
Dibromofluoromethane												
Surrogate: 1,2-Dichloroethane-d4	10.14		0.50	10.00	0	101	79	115	0			
Surrogate: Toluene-d8	9.975		0.50	10.00	0	99.7	80	114	0			
Surrogate:	9.699		0.50	10.00	0	97.0	60	123	0			
Bromofluorobenzene												

0010

Qualifiers: ND - Not Detected at the Reporting Limit

S - Recovery outside accepted recovery limits

MDL - Method Detection Limit

B - Analyte detected in the associated Method Blank

m10.07.02.A

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit

CLIENT: AECOM Technical Services, Inc.

Work Order: J1486

Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: LCSD-53276		SampType: LCSD		TestCode: SW8260_25_W		Prep Date: 07/30/10 10:59			Run ID: V2_100730A			
Client ID: LCSD-53276		Batch ID: 53276		Units: µg/L		Analysis Date: 07/30/10 12:09			SeqNo: 1353588			
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	11.45	0.15	0.50	10.00	0	115	77	120	9.962	13.9	40	
Chloroethane	11.58	0.24	0.50	10.00	0	116	75	135	10.53	9.5	40	
1,1-Dichloroethene	9.623	0.19	0.50	10.00	0	96.2	81	125	8.673	10.4	40	
trans-1,2-Dichloroethene	10.20	0.14	0.50	10.00	0	102	60	137	9.078	11.6	40	
Methyl tert-butyl ether	9.518	0.13	0.50	10.00	0	95.2	61	134	9.232	3.05	40	
1,1-Dichloroethane	10.22	0.18	0.50	10.00	0	102	82	120	9.248	9.94	40	
cis-1,2-Dichloroethene	9.778	0.19	0.50	10.00	0	97.8	84	116	8.649	12.2	40	
1,1,1-Trichloroethane	10.64	0.11	0.50	10.00	0	106	80	124	9.299	13.5	40	
1,2-Dichloroethane	8.901	0.16	0.50	10.00	0	89.0	86	117	8.676	2.56	40	
Benzene	9.624	0.12	0.50	10.00	0	96.2	81	121	8.845	8.43	40	
Trichloroethene	9.466	0.13	0.50	10.00	0	94.7	74	123	8.418	11.7	40	
Toluene	8.888	0.14	0.50	10.00	0	88.9	88	117	8.606	3.23	40	
1,1,2-Trichloroethane	8.238	0.20	0.50	10.00	0	82.4	83	121	8.861	7.28	40	S
Tetrachloroethene	9.884	0.17	0.50	10.00	0	98.8	74	115	8.416	16	40	
Chlorobenzene	9.368	0.13	0.50	10.00	0	93.7	83	112	8.637	8.12	40	
Ethylbenzene	10.04	0.13	0.50	10.00	0	100	87	110	8.868	12.4	40	
m,p-Xylene	20.47	0.22	0.50	20.00	0	102	87	114	18.20	11.7	40	
o-Xylene	10.61	0.17	0.50	10.00	0	106	84	114	8.923	17.2	40	
Surrogate:	10.17		0.50	10.00	0	102	88	124	0			
Dibromofluoromethane												
Surrogate: 1,2-Dichloroethane-d4	9.534		0.50	10.00	0	95.3	79	115	0			
Surrogate: Toluene-d8	10.77		0.50	10.00	0	108	80	114	0			
Surrogate:	9.677		0.50	10.00	0	96.8	60	123	0			
Bromofluorobenzene												

100

Mitkem Laboratories

Date: 11-Aug-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF-072610

Lab ID: J1486-01

Project: NOW Corp. Site

Collection Date: 07/26/10 12:20

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 08/11/2010 0:00	53450

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

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

Mitkem Laboratories

Date: 11-Aug-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF-072610

Lab ID: J1486-02

Project: NOW Corp. Site

Collection Date: 07/26/10 12:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA 1664A -- Oil & Grease, HEM							E1664
Oil & Grease, Total Recoverable	28		5.0	mg/L		1 08/11/2010 0:00	53450

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

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

CLIENT: AECOM Technical Services, Inc.

Work Order: J1486

Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

E1664

EPA 1664A -- Oil & Grease, HEM

Sample ID: MB-53450	SampType: MBLK	TestCode: E1664	Prep Date: 08/09/10 11:54	Run ID: MANUAL_100811A								
Client ID: MB-53450	Batch ID: 53450	Units: mg/L	Analysis Date: 08/11/10 0:00	SeqNo: 1354747								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease, Total Recoverable	ND	1.2	5.0									

Sample ID: LCS-53450	SampType: LCS	TestCode: E1664	Prep Date: 08/09/10 11:54	Run ID: MANUAL_100811A								
Client ID: LCS-53450	Batch ID: 53450	Units: mg/L	Analysis Date: 08/11/10 0:00	SeqNo: 1354746								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease, Total Recoverable	31.00	1.2	5.0	40.00	0	77.5	78	114	0			S

Sample ID: J1517-01AMS		SampType: MS	TestCode: E1664	Prep Date: 08/09/10 11:54	Run ID: MANUAL_100811A							
Client ID: ZZZZZ		Batch ID: 53450	Units: mg/L	Analysis Date: 08/11/10 0:00	SeqNo: 1354737							
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease, Total Recoverable	114.8	1.2	5.0	40.00	81.60	83.0	78	114	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Recovery outside accepted recovery limits

MDL - Method Detection Limit

B - Analyte detected in the associated Method Blank

m10.07.02.A

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit

0020

Mitkem Laboratories

Date: 02-Aug-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF-072610

Lab ID: J1486-01

Project: NOW Corp. Site

Collection Date: 07/26/10 12:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010C -- Metals by ICP							SW6010_W
Aluminum	ND		200	µg/L		1 07/30/2010 9:09	53228
Arsenic	ND		20	µg/L		1 07/30/2010 9:09	53228
Barium	86	J	200	µg/L		1 07/30/2010 9:09	53228
Chromium	ND		20	µg/L		1 07/30/2010 9:09	53228
Copper	ND		25	µg/L		1 07/30/2010 9:09	53228
Iron	49	J	200	µg/L		1 07/30/2010 9:09	53228
Manganese	53		50	µg/L		1 07/30/2010 9:09	53228
Nickel	1.2	J	50	µg/L		1 07/30/2010 9:09	53228
Zinc	12	BJ	50	µg/L		1 07/30/2010 9:09	53228
SW846 7470A -- Mercury by FIA							SW7470
Mercury	ND		0.20	µg/L		1 07/30/2010 14:56	53277

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

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

Mitkem Laboratories

Date: 02-Aug-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF-072610

Lab ID: J1486-02

Project: NOW Corp. Site

Collection Date: 07/26/10 12:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010C -- Metals by ICP							SW6010_W
Aluminum	ND		200	µg/L		1 07/30/2010 9:12	53228
Arsenic	ND		20	µg/L		1 07/30/2010 9:12	53228
Barium	77	J	200	µg/L		1 07/30/2010 9:12	53228
Chromium	ND		20	µg/L		1 07/30/2010 9:12	53228
Copper	ND		25	µg/L		1 07/30/2010 9:12	53228
Iron	68	J	200	µg/L		1 07/30/2010 9:12	53228
Manganese	120		50	µg/L		1 07/30/2010 9:12	53228
Nickel	ND		50	µg/L		1 07/30/2010 9:12	53228
Zinc	8.1	BJ	50	µg/L		1 07/30/2010 9:12	53228
SW846 7470A -- Mercury by FIA							SW7470
Mercury	ND		0.20	µg/L		1 07/30/2010 14:58	53277

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

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

CLIENT: AECOM Technical Services, Inc.
 Work Order: J1486
 Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW6010_W
 SW846 6010C -- Metals by ICP

Sample ID: MB-53228	SampType: MBLK	TestCode: SW6010_W	Prep Date: 07/28/10 11:15	Run ID: OPTIMA2_100730A								
Client ID: MB-53228	Batch ID: 53228	Units: µg/L	Analysis Date: 07/30/10 9:01	SeqNo: 1348594								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	66	200									
Arsenic	ND	4.3	20									
Barium	ND	1.1	200									
Chromium	ND	0.64	20									
Copper	ND	3.6	30									
Iron	ND	31	200									
Manganese	ND	10	50									
Nickel	ND	0.85	50									
Zinc	6.419	4.9	50									J

Sample ID: LCS-53228	SampType: LCS	TestCode: SW6010_W	Prep Date: 07/28/10 11:15	Run ID: OPTIMA2_100730A								
Client ID: LCS-53228	Batch ID: 53228	Units: µg/L	Analysis Date: 07/30/10 9:04	SeqNo: 1348595								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	8895	66	200	9100	0	97.7	80	120	0			
Arsenic	476.5	4.3	20	455.0	0	105	80	120	0			
Barium	9289	1.1	200	9100	0	102	80	120	0			
Chromium	907.7	0.64	20	910.0	0	99.7	80	120	0			
Copper	1121	3.6	30	1130	0	99.2	80	120	0			
Iron	4617	31	200	4550	0	101	80	120	0			
Manganese	2304	10	50	2270	0	102	80	120	0			
Nickel	2293	0.85	50	2270	0	101	80	120	0			
Zinc	2291	4.9	50	2270	0	101	80	120	0			B

Qualifiers: ND - Not Detected at the Reporting Limit

S - Recovery outside accepted recovery limits

MDL - Method Detection Limit

B - Analyte detected in the associated Method Blank

m10.07.02.A

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit

0023

CLIENT: AECOM Technical Services, Inc.
Work Order: J1486
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT
SW6010_W
SW846 6010C -- Metals by ICP

Sample ID: LCSD-53228	SampType: LCSD	TestCode: SW6010_W	Prep Date: 07/28/10 11:15	Run ID: OPTIMA2_100730A								
Client ID: LCSD-53228	Batch ID: 53228	Units: µg/L	Analysis Date: 07/30/10 9:07	SeqNo: 1348596								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9068	66	200	9100	0	99.7	80	120	8895	1.93	20	
Arsenic	478.1	4.3	20	455.0	0	105	80	120	476.5	0.327	20	
Barium	9322	1.1	200	9100	0	102	80	120	9289	0.356	20	
Chromium	917.9	0.64	20	910.0	0	101	80	120	907.7	1.12	20	
Copper	1141	3.6	30	1130	0	101	80	120	1121	1.77	20	
Iron	4679	31	200	4550	0	103	80	120	4617	1.34	20	
Manganese	2312	10	50	2270	0	102	80	120	2304	0.339	20	
Nickel	2323	0.85	50	2270	0	102	80	120	2293	1.3	20	
Zinc	2309	4.9	50	2270	0	102	80	120	2291	0.814	20	B

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

CLIENT: AECOM Technical Services, Inc.
Work Order: J1486
Project: NOW Corp. Site

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

Sample ID: MB-53277	SampType: MBLK	TestCode: SW7470	Prep Date: 07/30/10 11:15	Run ID: FIMS1_100730A								
Client ID: MB-53277	Batch ID: 53277	Units: µg/L	Analysis Date: 07/30/10 14:40	SeqNo: 1349751								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.028	0.20									

Sample ID: LCS-53277	SampType: LCS	TestCode: SW7470	Prep Date: 07/30/10 11:15	Run ID: FIMS1_100730A								
Client ID: LCS-53277	Batch ID: 53277	Units: µg/L	Analysis Date: 07/30/10 14:41	SeqNo: 1349752								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.380	0.028	0.20	4.550	0	96.3	80	120	0			

Sample ID: LCSD-53277	SampType: LCSD	TestCode: SW7470	Prep Date: 07/30/10 11:15	Run ID: FIMS1_100730A								
Client ID: LCSD-53277	Batch ID: 53277	Units: µg/L	Analysis Date: 07/30/10 14:43	SeqNo: 1349753								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.576	0.028	0.20	4.550	0	101	80	120	4.380	4.39	20	

0025

Qualifiers: ND - Not Detected at the Reporting Limit S - Recovery outside accepted recovery limits MDL - Method Detection Limit B - Analyte detected in the associated Method Blank
m10.07.02.A J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits RL - Reporting Limit

Mitkem Laboratories**Date:** 04-Aug-10**Client:** AECOM Technical Services, Inc.**Client Sample ID:** EFF-072610**Lab ID:** J1486-01**Project:** NOW Corp. Site**Collection Date:** 07/26/10 12:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							SM2540_TDS
Total Dissolved Solids	280		10	mg/L	1	07/28/2010 22:54	53230
SM 2540D -- TOTAL SUSPENDED SOLIDS							SM2540_TSS
Total Suspended Solids	ND		10	mg/L	1	07/28/2010 22:54	53231
SW846 9012B -- Total Cyanide							SW9012_W
Cyanide	ND		10	ug/L	1	08/03/2010 11:43	53327

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

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

Mitkem Laboratories

Date: 04-Aug-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF-072610

Lab ID: J1486-02

Project: NOW Corp. Site

Collection Date: 07/26/10 12:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							SM2540_TDS
Total Dissolved Solids	280		10	mg/L	1	07/29/2010 2:06	53230
SM 2540D -- TOTAL SUSPENDED SOLIDS							SM2540_TSS
Total Suspended Solids	ND		10	mg/L	1	07/29/2010 2:06	53231
SW846 9012B -- Total Cyanide							SW9012_W
Cyanide	ND		10	ug/L	1	08/03/2010 11:46	53327

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

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

CLIENT: AECOM Technical Services, Inc.
Work Order: J1486
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT
SM2540_TDS
SM 2540C -- TOTAL DISSOLVED SOLIDS

Sample ID: MB-53230		SampType: MBLK		TestCode: SM2540_TDS		Prep Date: 07/28/10 16:30			Run ID: MANUAL_100728A			
Client ID: MB-53230		Batch ID: 53230		Units: mg/L		Analysis Date: 07/28/10 16:30			SeqNo: 1349005			
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	10	10									

Sample ID: LCS-53230		SampType: LCS		TestCode: SM2540_TDS		Prep Date: 07/28/10 16:30			Run ID: MANUAL_100728A			
Client ID: LCS-53230		Batch ID: 53230		Units: mg/L		Analysis Date: 07/28/10 19:42			SeqNo: 1349006			
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	520.0	10	10	527.0	0	98.7	80	120	0			

Sample ID: J1486-02CDUP		SampType: DUP		TestCode: SM2540_TDS		Prep Date: 07/28/10 16:30			Run ID: MANUAL_100728A			
Client ID: INF-072610		Batch ID: 53230		Units: mg/L		Analysis Date: 07/29/10 5:18			SeqNo: 1349009			
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	275.0	10	10	0	0	0	0	0	276.0	0.363	20	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Recovery outside accepted recovery limits

MDL - Method Detection Limit

B - Analyte detected in the associated Method Blank

m10.07.02.A

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit

0028

CLIENT: AECOM Technical Services, Inc.
Work Order: J1486
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT
SM2540_TSS
SM 2540D -- TOTAL SUSPENDED SOLIDS

Sample ID: MB-53231	SampType: MBLK	TestCode: SM2540_TSS	Prep Date: 07/28/10 16:30	Run ID: MANUAL_100728B								
Client ID: MB-53231	Batch ID: 53231	Units: mg/L	Analysis Date: 07/28/10 16:30	SeqNo: 1349010								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	10	10									

Sample ID: LCS-53231	SampType: LCS	TestCode: SM2540_TSS	Prep Date: 07/28/10 16:30	Run ID: MANUAL_100728B								
Client ID: LCS-53231	Batch ID: 53231	Units: mg/L	Analysis Date: 07/28/10 19:42	SeqNo: 1349011								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	55.00	10	10	50.40	0	109	80	120	0			

Sample ID: J1486-02CDUP	SampType: DUP	TestCode: SM2540_TSS	Prep Date: 07/28/10 16:30	Run ID: MANUAL_100728B								
Client ID: INF-072610	Batch ID: 53231	Units: mg/L	Analysis Date: 07/29/10 5:18	SeqNo: 1349014								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	10	10	0	0	0	0	0	0	0	20	

0029

CLIENT: AECOM Technical Services, Inc.
Work Order: J1486
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT
SW9012_W
SW846 9012B -- Total Cyanide

Sample ID: MB-53327	SampType: MBLK	TestCode: SW9012_W	Prep Date: 08/02/10 11:45	Run ID: LACHAT1_100803A								
Client ID: MB-53327	Batch ID: 53327	Units: ug/L	Analysis Date: 08/03/10 11:36	SeqNo: 1350651								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	7.5	20									

Sample ID: LCS-53327	SampType: LCS	TestCode: SW9012_W	Prep Date: 08/02/10 11:45	Run ID: LACHAT1_100803A								
Client ID: LCS-53327	Batch ID: 53327	Units: ug/L	Analysis Date: 08/03/10 12:47	SeqNo: 1350678								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	103.4	7.5	20	100.0	0	103	80	120	0			

Sample ID: LCSD-53327	SampType: LCSD	TestCode: SW9012_W	Prep Date: 08/02/10 11:45	Run ID: LACHAT1_100803A								
Client ID: LCSD-53327	Batch ID: 53327	Units: ug/L	Analysis Date: 08/03/10 12:50	SeqNo: 1350679								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	105.0	7.5	20	100.0	0	105	80	120	103.4	1.54	20	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Recovery outside accepted recovery limits

MDL - Method Detection Limit

B - Analyte detected in the associated Method Blank

m10.07.02.A

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit

0030

WorkOrder: J1486**08/11/2010 17:20****Mitkem Laboratories**

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

Case:
SDG:

PO: 94017.02

HC Due: 08/12/10
Fax Due:
Fax Report: ☐
Report Level: LEVEL 2
Special Program:
EDD:

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J1486-01A	EFF-072610	07/26/2010 12:20	07/27/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1486-01B	EFF-072610	07/26/2010 12:20	07/27/2010	Aqueous	SW6010_W	/ See SEL list				Y	M2
J1486-01B	EFF-072610	07/26/2010 12:20	07/27/2010	Aqueous	SW7470	/ See SEL list					M2
J1486-01C	EFF-072610	07/26/2010 12:20	07/27/2010	Aqueous	SM2540_TDS	/					H2
J1486-01C	EFF-072610	07/26/2010 12:20	07/27/2010	Aqueous	SM2540_TSS	/					H2
J1486-01D	EFF-072610	07/26/2010 12:20	07/27/2010	Aqueous	SW9012_W	/				Y	H2
J1486-01E	EFF-072610	07/26/2010 12:20	07/27/2010	Aqueous	E1664	/					H2
J1486-02A	INF-072610	07/26/2010 12:30	07/27/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1486-02B	INF-072610	07/26/2010 12:30	07/27/2010	Aqueous	SW6010_W	/ See SEL list				Y	M2
J1486-02B	INF-072610	07/26/2010 12:30	07/27/2010	Aqueous	SW7470	/ See SEL list					M2
J1486-02C	INF-072610	07/26/2010 12:30	07/27/2010	Aqueous	SM2540_TDS	/					H2
J1486-02C	INF-072610	07/26/2010 12:30	07/27/2010	Aqueous	SM2540_TSS	/					H2
J1486-02D	INF-072610	07/26/2010 12:30	07/27/2010	Aqueous	SW9012_W	/				Y	H2
J1486-02E	INF-072610	07/26/2010 12:30	07/27/2010	Aqueous	E1664	/					H2
J1486-03A	TW-1	07/26/2010 12:35	07/27/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1486-04A	TW-2A	07/26/2010 12:40	07/27/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1486-05A	TW-3	07/26/2010 12:45	07/27/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1486-06A	TRIP BLANK	07/26/2010 00:00	07/27/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA

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.
Catham NY 12110

Telephone #: 518-951-2200

Project Mgr. Stephen Choiniere

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60135676.02

Site Name: Now Corp

Location: Stattsburg State: NY

Sampler(s): SRG

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
8=NaHSO₄ 9=None 10=_____ 11=_____

List preservative code below:

2 4 9 2 5

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 _____

State specific reporting standards: _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8260	Metals*	TPS/TSS	O+C	Cyanide			
J1486-01	EFF-072610	7-26-10	12:20	G	GW	2	2		3	X	X	X	X	X			
02	INF-072610		12:30				2		3		X	X	X	X			
03	TW-1		12:35														
04	TW-2A		12:40														
05	TW-3		12:45														
J1486-06	Trip Blank																

*Al, As, Ba
Cr, Cu, Fe, Mn
Hg, Zn, N

Relinquished by:

Received by:

Date:

Time:

Temp°C

☐ EDD Format _____

☐ E-mail to _____

☐ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp _____ °C ☐ Freezer temp _____ °C

MITKEM LABORATORIES

Sample Condition Form

Page 1 of 1

Received By: <u>VCE</u>		Reviewed By: <u>CAN</u>		Date: <u>7/27/10</u>		Mitekem Work Order #: <u>J1486</u>		
Client Project: <u>Now Corp</u>				Client: <u>Earth-NY</u>			Soil Headspace or Air Bubble ≥ 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	<u>J1486</u>	<u>01</u>	<u><2</u>			<u>>13</u>	
			<u>02</u>	<u><2</u>			<u>>13</u>	
2) Custody Seal(s)	<u>Present</u> / Absent		<u>03</u>					
	<u>Coolers</u> / Bottles		<u>04</u>					
	<u>Intact</u> / Broken		<u>05</u>					
		<u>J1486</u>	<u>06</u>					<u>H</u>
3) Custody Seal Number(s)	<u>NA</u>	<div style="transform: rotate(-45deg); font-size: 2em; font-weight: bold;"> VCE 7/27/10 </div>						
4) Chain-of-Custody	<u>Present</u> / Absent							
5) Cooler Temperature	<u>2°C</u>							
IR Temp Gun ID	<u>MT-1</u>							
Coolant Condition	<u>ICE</u>							
6) Airbill(s)	<u>Present</u> / Absent							
Airbill Number(s)	<u>EdEx</u>							
	<u>8690 7923 8186</u>							
	<u>1</u>							
7) Samples Bottles	<u>Intact</u> / Broken / Leaking							
8) Date Received	<u>7/27/10</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

Rad OK yes / no

0033

Last Page of Data Report