

Operation, Maintenance and Monitoring Report August 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

October 2010

October 15, 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: "August" 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 31-day period (**July 26 – August 26, 2010**).

With the exceptions noted below, if any, the P&T system was online and operational throughout the reporting period. Approximately 241,000 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 7,800 gallons per day (gpd), less than the 12,800 gpd in the prior reporting period.

As of the last day of the reporting period, a total of 79,925,500 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 August 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 July 26 service visit was described in the previous report. Details for the current period follow:

August 20 – Cleaned air stripper, removed 2 gallons of scale, and drilled out holes in air-distribution pipes.

August 26 – Monthly O&M service visit. Took building readings, collected influent and effluent samples, and fixed leaking effluent flowmeter.

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: August 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		7,774				Monitor	gpd
pH	7.1	7.2				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	330	320	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	95 J	92 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	69 J	43 J	NA	NA	NA	600	ug/L
Mercury	<0.20	<0.20	NA	NA	NA	0.8	ug/L
Manganese	180	65	NA	NA	NA	600	ug/L
Nickel	2.3 J	2.5 J	NA	NA	NA	200	ug/L
Zinc	13 J	12 J	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	350	<0.50	1.1 J	590	31	5	ug/L
1,1,2-Trichloroethane	<10	<0.50	<2.0	<20	<0.50	1.2	ug/L
1,1-Dichloroethane	140	<0.50	54	220	25	5	ug/L
1,1-Dichloroethene	16	<0.50	9.9	27	1.7	0.5	ug/L
1,2-Dichloroethane	<10	<0.50	<2.0	<20	<0.50	1.6	ug/L
Benzene	<10	<0.50	<2.0	<20	<0.50	0.8	ug/L
Chlorobenzene	<10	<0.50	<2.0	<20	<0.50	5	ug/L
Chloroethane	<10	<0.50	<2.0	<20	<0.50	5	ug/L
cis -1,2-Dichloroethene	10 J	<0.50	2.7	17 J	<0.50	5	ug/L
Ethylbenzene	<10	<0.50	<2.0	<20	<0.50	5	ug/L
Methyl tert-butyl ether	<10	<0.50	<2.0	<20	<0.50	5	ug/L
o-Xylene	<10	<0.50	<2.0	<20	<0.50	5	ug/L
p&m-Xylene	<10	<0.50	<2.0	<20	<0.50	10	ug/L
Tetrachloroethene	<10	<0.50	<2.0	12 J	<0.50	1.4	ug/L
Toluene	<10	<0.50	<2.0	<20	<0.50	5	ug/L
trans -1,2-Dichloroethene	<10	<0.50	<2.0	<20	<0.50	5	ug/L
Trichloroethene	240	<0.50	46	390	10	5	ug/L
Vinyl Chloride	<10	<0.50	<2.0	<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.

Table 2
Summary of August 2010 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		8/26/10	Units
<i>TW-1</i>			
	Pumping Rate	3	GPM
	Water Level Above Transducer	40.92	feet
	Flow Meter Reading	5,693,600	gallons
	Pump Pressure	80	psi
<i>TW-2A</i>			
	Pumping Rate	~14	GPM
	Water Level Above Transducer	33.44	feet
	Flow Meter Reading	18,076,800	gallons
	Pump Pressure	25	psi
<i>TW-3</i>			
	Pumping Rate	5	GPM
	Water Level Above Transducer	23.42	feet
	Flow Meter Reading	8,193,900	gallons
	Pump Pressure	65	psi
<i>Air Stripper</i>			
	Stripper Blower Pressure	18	inches H ₂ O
	Air Temperature in Stripper	54	°F
	Pressure Gauge - Left Leg	1.5	inches H ₂ O
	Pressure Gauge - Right Leg	0.5	inches H ₂ O
<i>Effluent Flow</i>			
	Effluent Flow this period (calculated)	241,000	gallons
	Total Effluent Flow (calculated)	79,925,500	gallons

Report Date:
14-Sep-10 11:46



- ☒ 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: J1675
Project : NOW Corp. Site
Project #:

Attn: Stephen Choiniere

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
J1675-01	EFF-082610	Aqueous	26-Aug-10 10:45	27-Aug-10 08:40
J1675-02	INF-082610	Aqueous	26-Aug-10 10:55	27-Aug-10 08:40
J1675-03	TW-1	Aqueous	26-Aug-10 11:10	27-Aug-10 08:40
J1675-04	TW-2A	Aqueous	26-Aug-10 11:20	27-Aug-10 08:40
J1675-05	TW-3	Aqueous	26-Aug-10 11:25	27-Aug-10 08:40
J1675-06	TRIP BLANK	Aqueous	26-Aug-10 00:00	27-Aug-10 08:40

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 on 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-RJ907
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:

Handwritten initials 'YD' in black ink.

Report of Laboratory Analyses for AECOM Technical Services

Client Project: NOW Corp. 94017.02, 08/10

Mitkem Work Order ID: J1675

September 14, 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, 08/10

Lab Work Order: J1675

Date samples received: 08/27/10

Project Narrative

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

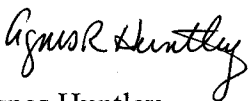
Surrogate recoveries were within the QC limits for volatile organic analyses with the exception of high recovery of 1,2-dichloroethane-d4 in sample TW-1 and low recovery of dibromofluoromethane in sample TW-3. Percent recoveries in laboratory control sample were within the QC limits. The following samples were re-analyzed at dilution: INF-082610 (20x), TW-1 (4x) and TW-2A (40x).

Spike recoveries were within the QC limits in the laboratory control samples for oil and grease, metals, total dissolved solids, total suspended solids and cyanide analyses.

No other unusual occurrences were noted during sample analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

This data report has been reviewed and is authorized for release as evidenced by the signature below.



Agnes Huntley
CLP Project Manager

Mitkem Laboratories

Date: 10-Sep-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF-082610

Lab ID: J1675-01

Project: NOW Corp. Site

Collection Date: 08/26/10 10:45

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		109/07/2010 17:26	53980
Chloroethane	ND		0.50	µg/L		109/07/2010 17:26	53980
1,1-Dichloroethene	ND		0.50	µg/L		109/07/2010 17:26	53980
trans-1,2-Dichloroethene	ND		0.50	µg/L		109/07/2010 17:26	53980
Methyl tert-butyl ether	ND		0.50	µg/L		109/07/2010 17:26	53980
1,1-Dichloroethane	ND		0.50	µg/L		109/07/2010 17:26	53980
cis-1,2-Dichloroethene	ND		0.50	µg/L		109/07/2010 17:26	53980
1,1,1-Trichloroethane	ND		0.50	µg/L		109/07/2010 17:26	53980
1,2-Dichloroethane	ND		0.50	µg/L		109/07/2010 17:26	53980
Benzene	ND		0.50	µg/L		109/07/2010 17:26	53980
Trichloroethene	ND		0.50	µg/L		109/07/2010 17:26	53980
Toluene	ND		0.50	µg/L		109/07/2010 17:26	53980
1,1,2-Trichloroethane	ND		0.50	µg/L		109/07/2010 17:26	53980
Tetrachloroethene	ND		0.50	µg/L		109/07/2010 17:26	53980
Chlorobenzene	ND		0.50	µg/L		109/07/2010 17:26	53980
Ethylbenzene	ND		0.50	µg/L		109/07/2010 17:26	53980
m,p-Xylene	ND		0.50	µg/L		109/07/2010 17:26	53980
o-Xylene	ND		0.50	µg/L		109/07/2010 17:26	53980
Surrogate: Dibromofluoromethane	100		88-124	%REC		109/07/2010 17:26	53980
Surrogate: 1,2-Dichloroethane-d4	96.1		79-115	%REC		109/07/2010 17:26	53980
Surrogate: Toluene-d8	101		80-114	%REC		109/07/2010 17:26	53980
Surrogate: Bromofluorobenzene	92.8		60-123	%REC		109/07/2010 17:26	53980

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-Sep-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF-082610

Lab ID: J1675-02

Project: NOW Corp. Site

Collection Date: 08/26/10 10:55

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		10	µg/L		20 09/07/2010 17:53	53980
Chloroethane	ND		10	µg/L		20 09/07/2010 17:53	53980
1,1-Dichloroethene	16		10	µg/L		20 09/07/2010 17:53	53980
trans-1,2-Dichloroethene	ND		10	µg/L		20 09/07/2010 17:53	53980
Methyl tert-butyl ether	ND		10	µg/L		20 09/07/2010 17:53	53980
1,1-Dichloroethane	140		10	µg/L		20 09/07/2010 17:53	53980
cis-1,2-Dichloroethene	10	J	10	µg/L		20 09/07/2010 17:53	53980
1,1,1-Trichloroethane	350		10	µg/L		20 09/07/2010 17:53	53980
1,2-Dichloroethane	ND		10	µg/L		20 09/07/2010 17:53	53980
Benzene	ND		10	µg/L		20 09/07/2010 17:53	53980
Trichloroethene	240		10	µg/L		20 09/07/2010 17:53	53980
Toluene	ND		10	µg/L		20 09/07/2010 17:53	53980
1,1,2-Trichloroethane	ND		10	µg/L		20 09/07/2010 17:53	53980
Tetrachloroethene	ND		10	µg/L		20 09/07/2010 17:53	53980
Chlorobenzene	ND		10	µg/L		20 09/07/2010 17:53	53980
Ethylbenzene	ND		10	µg/L		20 09/07/2010 17:53	53980
m,p-Xylene	ND		10	µg/L		20 09/07/2010 17:53	53980
o-Xylene	ND		10	µg/L		20 09/07/2010 17:53	53980
Surrogate: Dibromofluoromethane	97.9		88-124	%REC		20 09/07/2010 17:53	53980
Surrogate: 1,2-Dichloroethane-d4	103		79-115	%REC		20 09/07/2010 17:53	53980
Surrogate: Toluene-d8	99.8		80-114	%REC		20 09/07/2010 17:53	53980
Surrogate: Bromofluorobenzene	94.1		60-123	%REC		20 09/07/2010 17:53	53980

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-Sep-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-1

Lab ID: J1675-03

Project: NOW Corp. Site

Collection Date: 08/26/10 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		2.0	µg/L		4 09/07/2010 18:19	53980
Chloroethane	ND		2.0	µg/L		4 09/07/2010 18:19	53980
1,1-Dichloroethene	9.9		2.0	µg/L		4 09/07/2010 18:19	53980
trans-1,2-Dichloroethene	ND		2.0	µg/L		4 09/07/2010 18:19	53980
Methyl tert-butyl ether	ND		2.0	µg/L		4 09/07/2010 18:19	53980
1,1-Dichloroethane	54		2.0	µg/L		4 09/07/2010 18:19	53980
cis-1,2-Dichloroethene	2.7		2.0	µg/L		4 09/07/2010 18:19	53980
1,1,1-Trichloroethane	1.1	J	2.0	µg/L		4 09/07/2010 18:19	53980
1,2-Dichloroethane	ND		2.0	µg/L		4 09/07/2010 18:19	53980
Benzene	ND		2.0	µg/L		4 09/07/2010 18:19	53980
Trichloroethene	46		2.0	µg/L		4 09/07/2010 18:19	53980
Toluene	ND		2.0	µg/L		4 09/07/2010 18:19	53980
1,1,2-Trichloroethane	ND		2.0	µg/L		4 09/07/2010 18:19	53980
Tetrachloroethene	ND		2.0	µg/L		4 09/07/2010 18:19	53980
Chlorobenzene	ND		2.0	µg/L		4 09/07/2010 18:19	53980
Ethylbenzene	ND		2.0	µg/L		4 09/07/2010 18:19	53980
m,p-Xylene	ND		2.0	µg/L		4 09/07/2010 18:19	53980
o-Xylene	ND		2.0	µg/L		4 09/07/2010 18:19	53980
Surrogate: Dibromofluoromethane	88.1		88-124	%REC		4 09/07/2010 18:19	53980
Surrogate: 1,2-Dichloroethane-d4	121	S	79-115	%REC		4 09/07/2010 18:19	53980
Surrogate: Toluene-d8	99.9		80-114	%REC		4 09/07/2010 18:19	53980
Surrogate: Bromofluorobenzene	93.8		60-123	%REC		4 09/07/2010 18:19	53980

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-Sep-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-2A

Lab ID: J1675-04

Project: NOW Corp. Site

Collection Date: 08/26/10 11:20

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		20	µg/L		40 09/07/2010 18:47	53980
Chloroethane	ND		20	µg/L		40 09/07/2010 18:47	53980
1,1-Dichloroethene	27		20	µg/L		40 09/07/2010 18:47	53980
trans-1,2-Dichloroethene	ND		20	µg/L		40 09/07/2010 18:47	53980
Methyl tert-butyl ether	ND		20	µg/L		40 09/07/2010 18:47	53980
1,1-Dichloroethane	220		20	µg/L		40 09/07/2010 18:47	53980
cis-1,2-Dichloroethene	17	J	20	µg/L		40 09/07/2010 18:47	53980
1,1,1-Trichloroethane	590		20	µg/L		40 09/07/2010 18:47	53980
1,2-Dichloroethane	ND		20	µg/L		40 09/07/2010 18:47	53980
Benzene	ND		20	µg/L		40 09/07/2010 18:47	53980
Trichloroethene	390		20	µg/L		40 09/07/2010 18:47	53980
Toluene	ND		20	µg/L		40 09/07/2010 18:47	53980
1,1,2-Trichloroethane	ND		20	µg/L		40 09/07/2010 18:47	53980
Tetrachloroethene	12	J	20	µg/L		40 09/07/2010 18:47	53980
Chlorobenzene	ND		20	µg/L		40 09/07/2010 18:47	53980
Ethylbenzene	ND		20	µg/L		40 09/07/2010 18:47	53980
m,p-Xylene	ND		20	µg/L		40 09/07/2010 18:47	53980
o-Xylene	ND		20	µg/L		40 09/07/2010 18:47	53980
Surrogate: Dibromofluoromethane	88.5		88-124	%REC		40 09/07/2010 18:47	53980
Surrogate: 1,2-Dichloroethane-d4	109		79-115	%REC		40 09/07/2010 18:47	53980
Surrogate: Toluene-d8	100		80-114	%REC		40 09/07/2010 18:47	53980
Surrogate: Bromofluorobenzene	91.6		60-123	%REC		40 09/07/2010 18:47	53980

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-Sep-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-3

Lab ID: J1675-05

Project: NOW Corp. Site

Collection Date: 08/26/10 11:25

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	09/07/2010 20:02	53980
Chloroethane	ND		0.50	µg/L	1	09/07/2010 20:02	53980
1,1-Dichloroethene	1.7		0.50	µg/L	1	09/07/2010 20:02	53980
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	09/07/2010 20:02	53980
Methyl tert-butyl ether	ND		0.50	µg/L	1	09/07/2010 20:02	53980
1,1-Dichloroethane	25		0.50	µg/L	1	09/07/2010 20:02	53980
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	09/07/2010 20:02	53980
1,1,1-Trichloroethane	31		0.50	µg/L	1	09/07/2010 20:02	53980
1,2-Dichloroethane	ND		0.50	µg/L	1	09/07/2010 20:02	53980
Benzene	ND		0.50	µg/L	1	09/07/2010 20:02	53980
Trichloroethene	10		0.50	µg/L	1	09/07/2010 20:02	53980
Toluene	ND		0.50	µg/L	1	09/07/2010 20:02	53980
1,1,2-Trichloroethane	ND		0.50	µg/L	1	09/07/2010 20:02	53980
Tetrachloroethene	ND		0.50	µg/L	1	09/07/2010 20:02	53980
Chlorobenzene	ND		0.50	µg/L	1	09/07/2010 20:02	53980
Ethylbenzene	ND		0.50	µg/L	1	09/07/2010 20:02	53980
m,p-Xylene	ND		0.50	µg/L	1	09/07/2010 20:02	53980
o-Xylene	ND		0.50	µg/L	1	09/07/2010 20:02	53980
Surrogate: Dibromofluoromethane	83.7	S	88-124	%REC	1	09/07/2010 20:02	53980
Surrogate: 1,2-Dichloroethane-d4	95.0		79-115	%REC	1	09/07/2010 20:02	53980
Surrogate: Toluene-d8	101		80-114	%REC	1	09/07/2010 20:02	53980
Surrogate: Bromofluorobenzene	89.5		60-123	%REC	1	09/07/2010 20:02	53980

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-Sep-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TRIP BLANK

Lab ID: J1675-06

Project: NOW Corp. Site

Collection Date: 08/26/10 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 09/07/2010 20:28	53980
Chloroethane	ND		0.50	µg/L		1 09/07/2010 20:28	53980
1,1-Dichloroethene	ND		0.50	µg/L		1 09/07/2010 20:28	53980
trans-1,2-Dichloroethene	ND		0.50	µg/L		1 09/07/2010 20:28	53980
Methyl tert-butyl ether	ND		0.50	µg/L		1 09/07/2010 20:28	53980
1,1-Dichloroethane	ND		0.50	µg/L		1 09/07/2010 20:28	53980
cis-1,2-Dichloroethene	ND		0.50	µg/L		1 09/07/2010 20:28	53980
1,1,1-Trichloroethane	ND		0.50	µg/L		1 09/07/2010 20:28	53980
1,2-Dichloroethane	ND		0.50	µg/L		1 09/07/2010 20:28	53980
Benzene	ND		0.50	µg/L		1 09/07/2010 20:28	53980
Trichloroethene	ND		0.50	µg/L		1 09/07/2010 20:28	53980
Toluene	ND		0.50	µg/L		1 09/07/2010 20:28	53980
1,1,2-Trichloroethane	ND		0.50	µg/L		1 09/07/2010 20:28	53980
Tetrachloroethene	ND		0.50	µg/L		1 09/07/2010 20:28	53980
Chlorobenzene	ND		0.50	µg/L		1 09/07/2010 20:28	53980
Ethylbenzene	ND		0.50	µg/L		1 09/07/2010 20:28	53980
m,p-Xylene	ND		0.50	µg/L		1 09/07/2010 20:28	53980
o-Xylene	ND		0.50	µg/L		1 09/07/2010 20:28	53980
Surrogate: Dibromofluoromethane	100		88-124	%REC		1 09/07/2010 20:28	53980
Surrogate: 1,2-Dichloroethane-d4	101		79-115	%REC		1 09/07/2010 20:28	53980
Surrogate: Toluene-d8	101		80-114	%REC		1 09/07/2010 20:28	53980
Surrogate: Bromofluorobenzene	91.3		60-123	%REC		1 09/07/2010 20:28	53980

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: J1675

SW8260_25_W

Project: NOW Corp. Site

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

Sample ID: MB-53980	SampType: MBLK	TestCode: SW8260_25_W	Prep Date: 09/07/10 11:55	Run ID: V2_100907A		
Client ID: MB-53980	Batch ID: 53980	Units: µg/L	Analysis Date: 09/07/10 16:32	SeqNo: 1369422		
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:	10.16		0.50	10.00	0	102 88 124 0
Dibromofluoromethane						
Surrogate: 1,2-Dichloroethane-d4	10.01		0.50	10.00	0	100 79 115 0
Surrogate: Toluene-d8	10.12		0.50	10.00	0	101 80 114 0
Surrogate:	9.299		0.50	10.00	0	93.0 60 123 0
Bromofluorobenzene						

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

m10.08.12.A J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits RL - Reporting Limit

5020

CLIENT: AECOM Technical Services, Inc.

ANALYTICAL QC SUMMARY REPORT

Work Order: J1675

SW8260_25_W

Project: NOW Corp. Site

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

Sample ID: LCS-53980	SampType: LCS	TestCode: SW8260_25_W	Prep Date: 09/07/10 11:55	Run ID: V2_100907A								
Client ID: LCS-53980	Batch ID: 53980	Units: µg/L	Analysis Date: 09/07/10 15:11	SeqNo: 1369417								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.777	0.15	0.50	10.00	0	97.8	77	120	0			
Chloroethane	9.463	0.24	0.50	10.00	0	94.6	75	135	0			
1,1-Dichloroethene	9.682	0.19	0.50	10.00	0	96.8	81	125	0			
trans-1,2-Dichloroethene	9.682	0.14	0.50	10.00	0	96.8	60	137	0			
Methyl tert-butyl ether	10.40	0.13	0.50	10.00	0	104	61	134	0			
1,1-Dichloroethane	10.35	0.18	0.50	10.00	0	103	82	120	0			
cis-1,2-Dichloroethene	10.05	0.19	0.50	10.00	0	100	84	116	0			
1,1,1-Trichloroethane	10.04	0.11	0.50	10.00	0	100	80	124	0			
1,2-Dichloroethane	10.39	0.16	0.50	10.00	0	104	86	117	0			
Benzene	9.926	0.12	0.50	10.00	0	99.3	81	121	0			
Trichloroethene	9.847	0.13	0.50	10.00	0	98.5	74	123	0			
Toluene	9.963	0.14	0.50	10.00	0	99.6	88	117	0			
1,1,2-Trichloroethane	10.12	0.20	0.50	10.00	0	101	83	121	0			
Tetrachloroethene	9.951	0.17	0.50	10.00	0	99.5	74	115	0			
Chlorobenzene	10.20	0.13	0.50	10.00	0	102	83	112	0			
Ethylbenzene	10.09	0.13	0.50	10.00	0	101	87	110	0			
m,p-Xylene	20.34	0.22	0.50	20.00	0	102	87	114	0			
o-Xylene	9.999	0.17	0.50	10.00	0	100	84	114	0			
Surrogate:	10.23		0.50	10.00	0	102	88	124	0			
Dibromofluoromethane												
Surrogate: 1,2-	11.04		0.50	10.00	0	110	79	115	0			
Dichloroethane-d4												
Surrogate: Toluene-d8	10.00		0.50	10.00	0	100	80	114	0			
Surrogate:	9.811		0.50	10.00	0	98.1	60	123	0			
Bromofluorobenzene												

0010

Qualifiers: ND - Not Detected at the Reporting Limit S - Recovery outside accepted recovery limits MDL - Method Detection Limit

m10.08.12.A

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits RL - Reporting Limit

B - Analyte detected in the associated Method Blank

Mitkem Laboratories

Date: 08-Sep-10

Client: AECOM Technical Services, Inc.
Client Sample ID: EFF-082610
Lab ID: J1675-01

Project: NOW Corp. Site
Collection Date: 08/26/10 10:45

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 09/08/2010 0:00	53976

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:** 08-Sep-10**Client:** AECOM Technical Services, Inc.**Client Sample ID:** INF-082610**Lab ID:** J1675-02**Project:** NOW Corp. Site**Collection Date:** 08/26/10 10:55

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 09/08/2010 0:00	53976

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

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: J1675

E1664

Project: NOW Corp. Site

EPA 1664A -- Oil & Grease, HEM

Sample ID: MB-53976	SampType: MBLK	TestCode: E1664	Prep Date: 09/07/10 11:05	Run ID: MANUAL_100908A	
Client ID: MB-53976	Batch ID: 53976	Units: mg/L	Analysis Date: 09/08/10 0:00	SeqNo: 1369442	
Analyte	Result	MDL	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val %RPD RPDLimit Qual
Oil & Grease, Total Recoverable	ND	1.2		5.0	
Sample ID: LCS-53976	SampType: LCS	TestCode: E1664	Prep Date: 09/07/10 11:05	Run ID: MANUAL_100908A	
Client ID: LCS-53976	Batch ID: 53976	Units: mg/L	Analysis Date: 09/08/10 0:00	SeqNo: 1369440	
Analyte	Result	MDL	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val %RPD RPDLimit Qual
Oil & Grease, Total Recoverable	38.60	1.2	0	96.5 78 114	0
Sample ID: LCSD-53976	SampType: LCSD	TestCode: E1664	Prep Date: 09/07/10 11:05	Run ID: MANUAL_100908A	
Client ID: LCSD-53976	Batch ID: 53976	Units: mg/L	Analysis Date: 09/08/10 0:00	SeqNo: 1369441	
Analyte	Result	MDL	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val %RPD RPDLimit Qual
Oil & Grease, Total Recoverable	40.40	1.2	0	101 78 114	38.60 4.56 18

0015

Mitkem Laboratories

Date: 09-Sep-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF-082610

Lab ID: J1675-01

Project: NOW Corp. Site

Collection Date: 08/26/10 10:45

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 6010C -- Metals by ICP				SW6010_W
Aluminum	ND	200 µg/L	1 09/08/2010 14:54	53986
Arsenic	ND	20 µg/L	1 09/08/2010 14:54	53986
Barium	92 J	200 µg/L	1 09/08/2010 14:54	53986
Chromium	ND	20 µg/L	1 09/08/2010 14:54	53986
Copper	ND	25 µg/L	1 09/08/2010 14:54	53986
Iron	43 J	200 µg/L	1 09/08/2010 14:54	53986
Manganese	65	50 µg/L	1 09/08/2010 14:54	53986
Nickel	2.5 J	50 µg/L	1 09/08/2010 14:54	53986
Zinc	12 J	50 µg/L	1 09/08/2010 14:54	53986
SW846 7470A -- Mercury by FIA				SW7470
Mercury	ND	0.20 µg/L	1 09/01/2010 9:35	53879

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

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

Mitkem Laboratories

Date: 09-Sep-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF-082610

Lab ID: J1675-02

Project: NOW Corp. Site

Collection Date: 08/26/10 10:55

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010C -- Metals by ICP							SW6010_W
Aluminum	ND		200	µg/L		1 09/08/2010 14:57	53986
Arsenic	ND		20	µg/L		1 09/08/2010 14:57	53986
Barium	95	J	200	µg/L		1 09/08/2010 14:57	53986
Chromium	ND		20	µg/L		1 09/08/2010 14:57	53986
Copper	ND		25	µg/L		1 09/08/2010 14:57	53986
Iron	69	J	200	µg/L		1 09/08/2010 14:57	53986
Manganese	180		50	µg/L		1 09/08/2010 14:57	53986
Nickel	2.3	J	50	µg/L		1 09/08/2010 14:57	53986
Zinc	13	J	50	µg/L		1 09/08/2010 14:57	53986
SW846 7470A -- Mercury by FIA							SW7470
Mercury	ND		0.20	µg/L		1 09/01/2010 9:40	53879

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

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: J1675

SW6010_W

Project: NOW Corp. Site

SW846 6010C -- Metals by ICP

Sample ID: MB-53986	SampType: MBLK	TestCode: SW6010_W	Prep Date: 09/07/10 10:55	Run ID: OPTIMA3_100908C								
Client ID: MB-53986	Batch ID: 53986	Units: µg/L	Analysis Date: 09/08/10 14:38	SeqNo: 1370102								
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	ND	4.9	50									

Sample ID: LCS-53986	SampType: LCS	TestCode: SW6010_W	Prep Date: 09/07/10 10:55	Run ID: OPTIMA3_100908C								
Client ID: LCS-53986	Batch ID: 53986	Units: µg/L	Analysis Date: 09/08/10 14:41	SeqNo: 1370103								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9414	66	200	9100	0	103	80	120	0			
Arsenic	475.8	4.3	20	455.0	0	105	80	120	0			
Barium	9734	1.1	200	9100	0	107	80	120	0			
Chromium	957.4	0.64	20	910.0	0	105	80	120	0			
Copper	1201	3.6	30	1130	0	106	80	120	0			
Iron	4862	31	200	4550	0	107	80	120	0			
Manganese	2429	10	50	2270	0	107	80	120	0			
Nickel	2394	0.85	50	2270	0	105	80	120	0			
Zinc	2397	4.9	50	2270	0	106	80	120	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

m10.08.12.A

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

MDL - Method Detection Limit

RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: J1675

Project: NOW Corp. Site

SW6010_W

SW846 6010C -- Metals by ICP

Sample ID: LCSD-53986	SampType: LCSD	TestCode: SW6010_W	Prep Date: 09/07/10 10:55	Run ID: OPTIMA3_100908C								
Client ID: LCSD-53986	Batch ID: 53986	Units: µg/L	Analysis Date: 09/08/10 14:45	SeqNo: 1370104								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9541	66	200	9100	0	105	80	120	9414	1.34	20	
Arsenic	484.4	4.3	20	455.0	0	106	80	120	475.8	1.79	20	
Barium	9677	1.1	200	9100	0	106	80	120	9734	0.581	20	
Chromium	968.8	0.64	20	910.0	0	106	80	120	957.4	1.19	20	
Copper	1187	3.6	30	1130	0	105	80	120	1201	1.17	20	
Iron	4910	31	200	4550	0	108	80	120	4862	0.975	20	
Manganese	2407	10	50	2270	0	106	80	120	2429	0.946	20	
Nickel	2436	0.85	50	2270	0	107	80	120	2394	1.75	20	
Zinc	2426	4.9	50	2270	0	107	80	120	2397	1.21	20	

0018

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
 ml0.08.12.A J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits RL - Reporting Limit

CLIENT:

J1675

NOW Corp. Site

Qualifiers:			
	ND - Not Detected at the Reporting Limit	S - Recovery outside accepted recovery limits	MDL - Method Detection Limit
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	RL - Reporting Limit
m10.08.12.A			

Mitkem Laboratories

Date: 09-Sep-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF-082610

Lab ID: J1675-01

Project: NOW Corp. Site

Collection Date: 08/26/10 10:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							SM2540_TDS
Total Dissolved Solids	320		10	mg/L	1	08/31/2010 6:12	53853
SM 2540D -- TOTAL SUSPENDED SOLIDS							SM2540_TSS
Total Suspended Solids	ND		10	mg/L	1	08/31/2010 5:18	53854
SW846 9012B -- Total Cyanide							SW9012_W
Cyanide	ND		10	ug/L	1	09/08/2010 15:07	53991

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

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

Mitkem Laboratories**Date:** 09-Sep-10**Client:** AECOM Technical Services, Inc.**Client Sample ID:** INF-082610**Lab ID:** J1675-02**Project:** NOW Corp. Site**Collection Date:** 08/26/10 10:55

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							SM2540_TDS
Total Dissolved Solids	330		10	mg/L	1	08/31/2010 7:21	53853
SM 2540D -- TOTAL SUSPENDED SOLIDS							SM2540_TSS
Total Suspended Solids	ND		10	mg/L	1	08/31/2010 6:54	53854
SW846 9012B -- Total Cyanide							SW9012_W
Cyanide	ND		10	ug/L	1	09/08/2010 15:09	53991

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

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: J1675

SM2540_TDS

Project: NOW Corp. Site

SM 2540C -- TOTAL DISSOLVED SOLIDS

Sample ID: MB-53853	SampType: MBLK	TestCode: SM2540_TDS	Prep Date: 08/30/10 16:30	Run ID: MANUAL_100830B	
Client ID: MB-53853	Batch ID: 53853	Units: mg/L	Analysis Date: 08/30/10 16:30	SeqNo: 1366982	
Analyte	Result	MDL	SPK value	SPK Ref Val	RPD Ref Val
Total Dissolved Solids	ND	10	RL	LowLimit	HighLimit
					%RPD RPDLimit
Sample ID: LCS-53853	SampType: LCS	TestCode: SM2540_TDS	Prep Date: 08/30/10 16:30	Run ID: MANUAL_100830B	
Client ID: LCS-53853	Batch ID: 53853	Units: mg/L	Analysis Date: 08/30/10 17:38	SeqNo: 1366983	
Analyte	Result	MDL	SPK value	SPK Ref Val	RPD Ref Val
Total Dissolved Solids	306.0	10	RL	LowLimit	HighLimit
					%RPD RPDLimit
			304.0	0	101
				80	120
				0	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
ml0.08.12.A J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: J1675

SM2540_TSS

Project: NOW Corp. Site

SM 2540D -- TOTAL SUSPENDED SOLIDS

Sample ID: MB-53854	SampType: MBLK	TestCode: SM2540_TSS	Prep Date: 08/30/10 16:30	Run ID: MANUAL_100830C
Client ID: MB-53854	Batch ID: 53854	Units: mg/L	Analysis Date: 08/30/10 16:30	SeqNo: 1366996
Analyte	Result	MDL	SPK value	SPK Ref Val
	ND	10	RL	RPD Ref Val
Total Suspended Solids				%RPD RPDLimit Qual
Sample ID: LCS-53854	SampType: LCS	TestCode: SM2540_TSS	Prep Date: 08/30/10 16:30	Run ID: MANUAL_100830C
Client ID: LCS-53854	Batch ID: 53854	Units: mg/L	Analysis Date: 08/30/10 18:06	SeqNo: 1366997
Analyte	Result	MDL	SPK value	SPK Ref Val
	22.00	10	24.20	RPD Ref Val
Total Suspended Solids			90.9	%RPD RPDLimit Qual
			0	120
				0

0023

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
 ml0.08.12.A J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: J1675

Project: NOW Corp. Site

SW9012_W

SW846 9012B -- Total Cyanide

Sample ID: MB-53991	SampType: MBLK	TestCode: SW9012_W	Prep Date: 09/07/10 15:00	Run ID: LACHAT1_100908B
Client ID: MB-53991	Batch ID: 53991	Units: ug/L	Analysis Date: 09/08/10 14:57	SeqNo: 1370175
Analyte	Result	MDL	SPK value	SPK Ref Val
Cyanide	ND	7.5	20	%RPD RPDLimit Qual

Sample ID: LCS-53991	SampType: LCS	TestCode: SW9012_W	Prep Date: 09/07/10 15:00	Run ID: LACHAT1_100908B
Client ID: LCS-53991	Batch ID: 53991	Units: ug/L	Analysis Date: 09/08/10 14:59	SeqNo: 1370176
Analyte	Result	MDL	SPK value	SPK Ref Val
Cyanide	96.29	7.5	20	%RPD RPDLimit Qual

Sample ID: LCSD-53991	SampType: LCSD	TestCode: SW9012_W	Prep Date: 09/07/10 15:00	Run ID: LACHAT1_100908B
Client ID: LCSD-53991	Batch ID: 53991	Units: ug/L	Analysis Date: 09/08/10 15:02	SeqNo: 1370177
Analyte	Result	MDL	SPK value	SPK Ref Val
Cyanide	96.45	7.5	20	%RPD RPDLimit Qual

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
 m10.08.12.A J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits RL - Reporting Limit

WorkOrder: J1675

09/14/2010 11:45

Mitkem Laboratories

Client ID: EARTH_NY

Project: NOW Corp. Site

WO Name: NOW Corp. Site

Location: NOW_CORP,

Comments: N/A

Case:

SDG:

HC Due: 09/14/10

Fax Due: Special Program:

Fax Report: ☐ EDD:

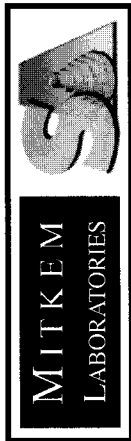
Report Level: LEVEL 2

PO: 94017.02

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J1675-01A	EFF-082610	08/26/2010 10:45	08/27/2010	Aqueous	SW8260_25_W	/ use for VOCs,					Y VOA
J1675-01B	EFF-082610	08/26/2010 10:45	08/27/2010	Aqueous	SW6010_W	/ See SEL list				Y	M3
J1675-01B	EFF-082610	08/26/2010 10:45	08/27/2010	Aqueous	SW7470	/ See SEL list					M3
J1675-01C	EFF-082610	08/26/2010 10:45	08/27/2010	Aqueous	SM2540_TDS	/					H2
J1675-01C	EFF-082610	08/26/2010 10:45	08/27/2010	Aqueous	SM2540_TSS	/					H2
J1675-01D	EFF-082610	08/26/2010 10:45	08/27/2010	Aqueous	SW9012_W	/				Y	H2
J1675-01E	EFF-082610	08/26/2010 10:45	08/27/2010	Aqueous	E1664	/					H2
J1675-02A	INF-082610	08/26/2010 10:55	08/27/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1675-02B	INF-082610	08/26/2010 10:55	08/27/2010	Aqueous	SW6010_W	/ See SEL list				Y	M3
J1675-02B	INF-082610	08/26/2010 10:55	08/27/2010	Aqueous	SW7470	/ See SEL list					M3
J1675-02C	INF-082610	08/26/2010 10:55	08/27/2010	Aqueous	SM2540_TDS	/					H2
J1675-02C	INF-082610	08/26/2010 10:55	08/27/2010	Aqueous	SM2540_TSS	/					H2
J1675-02D	INF-082610	08/26/2010 10:55	08/27/2010	Aqueous	SW9012_W	/				Y	H2
J1675-02E	INF-082610	08/26/2010 10:55	08/27/2010	Aqueous	E1664	/					H2
J1675-03A	TW-1	08/26/2010 11:10	08/27/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1675-04A	TW-2A	08/26/2010 11:20	08/27/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1675-05A	TW-3	08/26/2010 11:25	08/27/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1675-06A	TRIP BLANK	08/26/2010 00:00	08/27/2010	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



A DIVISION OF SPECTRUM ANALYTICAL, INC. FEATURING HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

TAT- Indicate Date Needed: _____
All TATs subject to laboratory approval.
Min. 24-hour notification needed for rushes.
Samples disposed of after 30 days unless otherwise instructed.

Report To: AECOM
40 British American Blvd
Latham NY 12110
518-951-2200

Invoice To: Same

Project No.: 60135676 .02
Site Name: NOW Corp
Location: Staatsburg State: NY
Sampler(s): RG

Project Mgr.: Stephen Choiniere

P.O. No.: _____ RQN: _____

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

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

List preservative code below:

2 4 9 2 5

Notes:

Containers:

of VOA Vials
of Amber Glass
of Clear Glass
of Plastic

2 3 3 3

Matrix Type

Time:

Date:

Sample Id:

Lab Id:

01 EFF-082610 8/26/10 10:45
02 INF-082610 10:55
03 TW-1 11:10
04 TW-2A 11:20
05 TW-3 11:25
06 Trip Blank

G=Grab C=Composite

QA/QC Reporting Level

☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☐ Other _____

State specific reporting standards:

*Al, As, BA, CR, Cu
Fe, Mn, Hg Zn, U

☐ E-mail to _____

EDD Format _____

Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 4°C

Received by:

Relinquished by:

Time:

Date:

Steve Drury
FedEx
Veronica Bingham
8/26/10 14:55
8/27/10 8:40

0026

MITKEM LABORATORIES

Sample Condition Form

Page 1 of 1

Received By: <u>VES</u>		Reviewed By: <u>CAW</u>		Date: <u>8/27/10</u>		Mitekem Work Order #: <u>J1675</u>				
Client Project: <u>NOW-CORP</u>				Client: <u>Earth-NY</u>						
				Preservation (pH)					VOA Matrix	Soil Headspace or Air Bubble ≥ 1/4"
				Lab Sample ID	HNO ₃	H ₂ SO ₄	HCl	NaOH		
1) Cooler Sealed	<u>Yes</u> / No	<u>J1675</u>	<u>01</u>	<u><2</u>			<u>>12</u>		<u>H</u>	
2) Custody Seal(s)	<u>Present</u> / Absent <u>Coolers</u> / Bottles <u>Intact</u> / Broken		<u>02</u>	<u><2</u>			<u>712</u>			
			<u>03</u>							
			<u>04</u>							
			<u>05</u>							
3) Custody Seal Number(s)	<u>NA</u>	<u>J1675</u>	<u>06</u>						<u>H</u>	
4) Chain-of-Custody	<u>Present</u> / Absent									
5) Cooler Temperature	<u>4°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>FedEx</u>									
	<u>869079238340</u>									
	<u>/</u>									
7) Samples Bottles	<u>Intact</u> / Broken / Leaking									
8) Date Received	<u>8/27/10</u>									
9) Time Received	<u>8:40</u>									
Preservative Name/Lot No.:										

VES
 8/27/10
 J1675

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 no

Rad OK yes / no

0027

Last Page of Data Report