

Operation, Maintenance and Monitoring Report November 2009

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

**Work Assignment No.
D004445-4.1**

Prepared for:

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

Prepared by:

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

January 2010

January 3, 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: "November" 2009**

Dear Mr. Hoffman:

This monthly summary report describes the operation, monitoring and maintenance (OM&M) of the remedial system at the NOW Corporation site in the Town of Clinton, New York, for a 29-day period (**October 22 to November 20, 2009**).

With the exceptions noted below, if any, the P&T system was online and operational throughout the reporting period. Approximately 531,000 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 18,300 gallons per day (gpd). During the prior reporting period, the average discharge was 13,300 gpd.

As of the last day of the reporting period, a total of 73,870,900 gallons of groundwater had been recovered and treated by the system since it became operational in February 1998.

Table 1 summarizes influent and effluent analytical data for water samples collected on November 20, 2009. **There were no exceedances** of effluent limitations. A copy of the analytical laboratory report is attached. Table 2 summarizes selected operational data recorded on the sampling date.

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

November 20 – Monthly system inspection and water sampling. Site inspection associated with periodic review report conducted by Lindsay Charniga.

Please feel free to contact me at (518) 951-2262 if you have any questions regarding this report or the operation of the treatment system.

Sincerely,
AECOM Technical Services Northeast, Inc.



Stephen R. Choiniere
Project Manager

Table 1
Summary of Influent and Effluent Data
Sampling Date: November 20, 2009
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		18,314				Monitor	gpd
pH	7.0	6.9				6.5 to 8.5	standard units
Oil and Grease	<5.0	<5.0	NA	NA	NA	15	mg/L
Total Cyanide	<10	<10	NA	NA	NA	10	ug/L
TDS	280	320	NA	NA	NA	1000	mg/L
TSS	<10	<10	NA	NA	NA	50	mg/L
Aluminum, Total	18 BJ	<200	NA	NA	NA	2000	ug/L
Arsenic, Total	<20	<20	NA	NA	NA	50	ug/L
Barium, Total	100 J	99 J	NA	NA	NA	2000	ug/L
Chromium	0.81 J	0.60 J	NA	NA	NA	100	ug/L
Copper	5.5 BJ	<25	NA	NA	NA	24	ug/L
Iron	250	<200	NA	NA	NA	600	ug/L
Mercury	<0.20	<0.20	NA	NA	NA	0.8	ug/L
Manganese	190	71	NA	NA	NA	600	ug/L
Nickel	2.0 J	1.9 J	NA	NA	NA	200	ug/L
Zinc	12 BJ	11 BJ	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	1100	<0.50	1.7 J	1600	22	5	ug/L
1,1,2-Trichloroethane	<20.0	<0.50	<2.5	<40	<0.50	1.2	ug/L
1,1-Dichloroethane	350	<0.50	79	480	33	5	ug/L
1,1-Dichloroethene	42	<0.50	25	59	4	0.5	ug/L
1,2-Dichloroethane	<20.0	<0.50	<2.5	<40	<0.50	1.6	ug/L
Benzene	<20.0	<0.50	<2.5	<40	<0.50	0.8	ug/L
Chlorobenzene	<20.0	<0.50	<2.5	<40	<0.50	5	ug/L
Chloroethane	<20.0	<0.50	<2.5	<40	<0.50	5	ug/L
cis-1,2-Dichloroethene	17 J	<0.50	4.2	30 J	0.34 J	5	ug/L
Ethylbenzene	<20.0	<0.50	<2.5	<40	<0.50	5	ug/L
Methyl tert-butyl ether	<20.0	<0.50	<2.5	<40	<0.50	5	ug/L
o-Xylene	<20.0	<0.50	<2.5	<40	<0.50	5	ug/L
p&m-Xylene	<20.0	<0.50	<2.5	<40	<0.50	10	ug/L
Tetrachloroethene	<20.0	<0.50	<2.5	<40	<0.50	1.4	ug/L
Toluene	<20.0	<0.50	<2.5	<40	<0.50	5	ug/L
trans-1,2-Dichloroethene	<20.0	<0.50	<2.5	<40	<0.50	5	ug/L
Trichloroethene	560	<0.50	54	820	10	5	ug/L
Vinyl Chloride	<20.0	<0.50	<2.5	<40	<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 November 2009 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		11/20/09	Units
<i>TW-1</i>			
	Pumping Rate	1	GPM
	Water Level Above Transducer	22.17	feet
	Flow Meter Reading	5,132,900	gallons
	Pump Pressure	20	psi
<i>TW-2A</i>			
	Pumping Rate	13.5	GPM
	Water Level Above Transducer	24.79	feet
	Flow Meter Reading	13,435,900	gallons
	Pump Pressure	35	psi
<i>TW-3</i>			
	Pumping Rate	3	GPM
	Water Level Above Transducer	35.26	feet
	Flow Meter Reading	7,340,900	gallons
	Pump Pressure	66	psi
<i>Air Stripper</i>			
	Stripper Blower Pressure	25	inches H ₂ O
	Air Temperature in Stripper	50	°F
	Pressure Gauge - Left Leg	0.6	inches H ₂ O
	Pressure Gauge - Right Leg	0	inches H ₂ O
<i>Effluent Flow</i>			
	Effluent Flow this period (calculated)	531,100	gallons
	Total Effluent Flow (calculated)	73,870,900	gallons



A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

December 7, 2009

Earth Tech - AECOM
40 British American Boulevard
Latham, NY 12110
Attn: Mr. Stephen Choiniere

RE: Client Project: NOW Corp. Site, 94017.02, 11/09
Lab Project #: H2394

Dear Mr. Choiniere:

Enclosed please find the data report for the analyses of samples associated with the above referenced project.

If you have any questions, please do not hesitate to call me.

We appreciate your business.

Sincerely,

A handwritten signature in black ink, appearing to read 'Edward A. Lawler'.

Edward A. Lawler
Laboratory Operations Manager

Report of Laboratory Analyses for AECOM Technical Services

Client Project: NOW Corp. 94017.02, 11/09

Mitkem Work Order ID: H2394

December 7, 2009

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, 11/09

Lab Work Order: H2394

Date samples received: 11/21/09

Project Narrative

This data report includes the analysis results for six (6) aqueous samples that were received from AECOM Technical Services on November 21, 2009. Analyses were performed per specification in the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and laboratory sample ID.

Surrogate recoveries were within the QC limits for volatile organic analyses. Percent recoveries in laboratory control samples were within the QC limits. The following samples were analyzed at dilution: INF112009 (40X), TW-1 (5X) and TW-2A (80X).

Spike recoveries were within the QC limits in the laboratory control samples for metals, total dissolved solids, total suspended solids, cyanide and oil & grease analyses. Several elements detected below the reporting limit but above the method detection limit in method blank MB-47588 for metals analyses. Where these elements are also detected in a sample, their concentrations are qualified with a "B" on data sheets. Please note that these concentrations in the sample were also below the reporting limit. Duplicate analyses were performed for total dissolved solids and total suspended solids analyses on sample INF112009. Relative percent differences were within the QC limits.

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.



Edward A. Lawler
Laboratory Operations Manager

Mitkem Laboratories

Date: 07-Dec-09

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF 112009

Lab ID: H2394-01

Project: NOW Corp. Site, 11/09

Collection Date: 11/20/09 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		0.50	µg/L	1	12/02/2009 01:19	47700
Chloroethane	ND		0.50	µg/L	1	12/02/2009 01:19	47700
1,1-Dichloroethene	ND		0.50	µg/L	1	12/02/2009 01:19	47700
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	12/02/2009 01:19	47700
Methyl tert-butyl ether	ND		0.50	µg/L	1	12/02/2009 01:19	47700
1,1-Dichloroethane	ND		0.50	µg/L	1	12/02/2009 01:19	47700
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	12/02/2009 01:19	47700
1,1,1-Trichloroethane	ND		0.50	µg/L	1	12/02/2009 01:19	47700
1,2-Dichloroethane	ND		0.50	µg/L	1	12/02/2009 01:19	47700
Benzene	ND		0.50	µg/L	1	12/02/2009 01:19	47700
Trichloroethene	ND		0.50	µg/L	1	12/02/2009 01:19	47700
Toluene	ND		0.50	µg/L	1	12/02/2009 01:19	47700
1,1,2-Trichloroethane	ND		0.50	µg/L	1	12/02/2009 01:19	47700
Tetrachloroethene	ND		0.50	µg/L	1	12/02/2009 01:19	47700
Chlorobenzene	ND		0.50	µg/L	1	12/02/2009 01:19	47700
Ethylbenzene	ND		0.50	µg/L	1	12/02/2009 01:19	47700
m,p-Xylene	ND		0.50	µg/L	1	12/02/2009 01:19	47700
o-Xylene	ND		0.50	µg/L	1	12/02/2009 01:19	47700
Surrogate: Dibromofluoromethane	97.7		88-124	%REC	1	12/02/2009 01:19	47700
Surrogate: 1,2-Dichloroethane-d4	93.8		79-115	%REC	1	12/02/2009 01:19	47700
Surrogate: Toluene-d8	99.0		80-114	%REC	1	12/02/2009 01:19	47700
Surrogate: Bromofluorobenzene	100		60-123	%REC	1	12/02/2009 01:19	47700

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: 07-Dec-09

Client: AECOM Technical Services, Inc.

Client Sample ID: INF 112009

Lab ID: H2394-02

Project: NOW Corp. Site, 11/09

Collection Date: 11/20/09 11:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		20	µg/L	40	12/02/2009 01:49	47700
Chloroethane	ND		20	µg/L	40	12/02/2009 01:49	47700
1,1-Dichloroethene	42		20	µg/L	40	12/02/2009 01:49	47700
trans-1,2-Dichloroethene	ND		20	µg/L	40	12/02/2009 01:49	47700
Methyl tert-butyl ether	ND		20	µg/L	40	12/02/2009 01:49	47700
1,1-Dichloroethane	350		20	µg/L	40	12/02/2009 01:49	47700
cis-1,2-Dichloroethene	17	J	20	µg/L	40	12/02/2009 01:49	47700
1,1,1-Trichloroethane	1100		20	µg/L	40	12/02/2009 01:49	47700
1,2-Dichloroethane	ND		20	µg/L	40	12/02/2009 01:49	47700
Benzene	ND		20	µg/L	40	12/02/2009 01:49	47700
Trichloroethene	560		20	µg/L	40	12/02/2009 01:49	47700
Toluene	ND		20	µg/L	40	12/02/2009 01:49	47700
1,1,2-Trichloroethane	ND		20	µg/L	40	12/02/2009 01:49	47700
Tetrachloroethene	ND		20	µg/L	40	12/02/2009 01:49	47700
Chlorobenzene	ND		20	µg/L	40	12/02/2009 01:49	47700
Ethylbenzene	ND		20	µg/L	40	12/02/2009 01:49	47700
m,p-Xylene	ND		20	µg/L	40	12/02/2009 01:49	47700
o-Xylene	ND		20	µg/L	40	12/02/2009 01:49	47700
Surrogate: Dibromofluoromethane	94.8		88-124	%REC	40	12/02/2009 01:49	47700
Surrogate: 1,2-Dichloroethane-d4	91.6		79-115	%REC	40	12/02/2009 01:49	47700
Surrogate: Toluene-d8	96.7		80-114	%REC	40	12/02/2009 01:49	47700
Surrogate: Bromofluorobenzene	97.5		60-123	%REC	40	12/02/2009 01:49	47700

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

0004

Mitkem Laboratories

Date: 07-Dec-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-1

Lab ID: H2394-03

Project: NOW Corp. Site, 11/09

Collection Date: 11/20/09 12:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS (25 mL Purge)			SW8260_25_W	
Vinyl chloride	ND	2.5 µg/L	5 12/02/2009 02:17	47700
Chloroethane	ND	2.5 µg/L	5 12/02/2009 02:17	47700
1,1-Dichloroethene	25	2.5 µg/L	5 12/02/2009 02:17	47700
trans-1,2-Dichloroethene	ND	2.5 µg/L	5 12/02/2009 02:17	47700
Methyl tert-butyl ether	ND	2.5 µg/L	5 12/02/2009 02:17	47700
1,1-Dichloroethane	79	2.5 µg/L	5 12/02/2009 02:17	47700
cis-1,2-Dichloroethene	4.2	2.5 µg/L	5 12/02/2009 02:17	47700
1,1,1-Trichloroethane	1.7 J	2.5 µg/L	5 12/02/2009 02:17	47700
1,2-Dichloroethane	ND	2.5 µg/L	5 12/02/2009 02:17	47700
Benzene	ND	2.5 µg/L	5 12/02/2009 02:17	47700
Trichloroethene	54	2.5 µg/L	5 12/02/2009 02:17	47700
Toluene	ND	2.5 µg/L	5 12/02/2009 02:17	47700
1,1,2-Trichloroethane	ND	2.5 µg/L	5 12/02/2009 02:17	47700
Tetrachloroethene	ND	2.5 µg/L	5 12/02/2009 02:17	47700
Chlorobenzene	ND	2.5 µg/L	5 12/02/2009 02:17	47700
Ethylbenzene	ND	2.5 µg/L	5 12/02/2009 02:17	47700
m,p-Xylene	ND	2.5 µg/L	5 12/02/2009 02:17	47700
o-Xylene	ND	2.5 µg/L	5 12/02/2009 02:17	47700
Surrogate: Dibromofluoromethane	96.6	88-124 %REC	5 12/02/2009 02:17	47700
Surrogate: 1,2-Dichloroethane-d4	98.6	79-115 %REC	5 12/02/2009 02:17	47700
Surrogate: Toluene-d8	97.7	80-114 %REC	5 12/02/2009 02:17	47700
Surrogate: Bromofluorobenzene	101	60-123 %REC	5 12/02/2009 02:17	47700

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: 07-Dec-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-2A

Lab ID: H2394-04

Project: NOW Corp. Site, 11/09

Collection Date: 11/20/09 12:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		40	µg/L	80	12/02/2009 02:47	47700
Chloroethane	ND		40	µg/L	80	12/02/2009 02:47	47700
1,1-Dichloroethene	59		40	µg/L	80	12/02/2009 02:47	47700
trans-1,2-Dichloroethene	ND		40	µg/L	80	12/02/2009 02:47	47700
Methyl tert-butyl ether	ND		40	µg/L	80	12/02/2009 02:47	47700
1,1-Dichloroethane	480		40	µg/L	80	12/02/2009 02:47	47700
cis-1,2-Dichloroethene	30	J	40	µg/L	80	12/02/2009 02:47	47700
1,1,1-Trichloroethane	1600		40	µg/L	80	12/02/2009 02:47	47700
1,2-Dichloroethane	ND		40	µg/L	80	12/02/2009 02:47	47700
Benzene	ND		40	µg/L	80	12/02/2009 02:47	47700
Trichloroethene	820		40	µg/L	80	12/02/2009 02:47	47700
Toluene	ND		40	µg/L	80	12/02/2009 02:47	47700
1,1,2-Trichloroethane	ND		40	µg/L	80	12/02/2009 02:47	47700
Tetrachloroethene	ND		40	µg/L	80	12/02/2009 02:47	47700
Chlorobenzene	ND		40	µg/L	80	12/02/2009 02:47	47700
Ethylbenzene	ND		40	µg/L	80	12/02/2009 02:47	47700
m,p-Xylene	ND		40	µg/L	80	12/02/2009 02:47	47700
o-Xylene	ND		40	µg/L	80	12/02/2009 02:47	47700
Surrogate: Dibromofluoromethane	95.0		88-124	%REC	80	12/02/2009 02:47	47700
Surrogate: 1,2-Dichloroethane-d4	95.0		79-115	%REC	80	12/02/2009 02:47	47700
Surrogate: Toluene-d8	98.4		80-114	%REC	80	12/02/2009 02:47	47700
Surrogate: Bromofluorobenzene	95.6		60-123	%REC	80	12/02/2009 02:47	47700

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

00006

Mitkem Laboratories

Date: 07-Dec-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-3

Project: NOW Corp. Site, 11/09

Lab ID: H2394-05

Collection Date: 11/20/09 12:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		0.50	µg/L	1	12/02/2009 09:53	47700
Chloroethane	ND		0.50	µg/L	1	12/02/2009 09:53	47700
1,1-Dichloroethene	4.0		0.50	µg/L	1	12/02/2009 09:53	47700
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	12/02/2009 09:53	47700
Methyl tert-butyl ether	ND		0.50	µg/L	1	12/02/2009 09:53	47700
1,1-Dichloroethane	33		0.50	µg/L	1	12/02/2009 09:53	47700
cis-1,2-Dichloroethene	0.34	J	0.50	µg/L	1	12/02/2009 09:53	47700
1,1,1-Trichloroethane	22		0.50	µg/L	1	12/02/2009 09:53	47700
1,2-Dichloroethane	ND		0.50	µg/L	1	12/02/2009 09:53	47700
Benzene	ND		0.50	µg/L	1	12/02/2009 09:53	47700
Trichloroethene	10		0.50	µg/L	1	12/02/2009 09:53	47700
Toluene	ND		0.50	µg/L	1	12/02/2009 09:53	47700
1,1,2-Trichloroethane	ND		0.50	µg/L	1	12/02/2009 09:53	47700
Tetrachloroethene	ND		0.50	µg/L	1	12/02/2009 09:53	47700
Chlorobenzene	ND		0.50	µg/L	1	12/02/2009 09:53	47700
Ethylbenzene	ND		0.50	µg/L	1	12/02/2009 09:53	47700
m,p-Xylene	ND		0.50	µg/L	1	12/02/2009 09:53	47700
o-Xylene	ND		0.50	µg/L	1	12/02/2009 09:53	47700
Surrogate: Dibromofluoromethane	95.9		88-124	%REC	1	12/02/2009 09:53	47700
Surrogate: 1,2-Dichloroethane-d4	90.8		79-115	%REC	1	12/02/2009 09:53	47700
Surrogate: Toluene-d8	101		80-114	%REC	1	12/02/2009 09:53	47700
Surrogate: Bromofluorobenzene	98.0		60-123	%REC	1	12/02/2009 09:53	47700

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: 07-Dec-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TRIP BLANK

Lab ID: H2394-06

Project: NOW Corp. Site, 11/09

Collection Date: 11/20/09 00:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		0.50	µg/L	1	12/02/2009 03:44	47700
Chloroethane	ND		0.50	µg/L	1	12/02/2009 03:44	47700
1,1-Dichloroethene	ND		0.50	µg/L	1	12/02/2009 03:44	47700
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	12/02/2009 03:44	47700
Methyl tert-butyl ether	ND		0.50	µg/L	1	12/02/2009 03:44	47700
1,1-Dichloroethane	ND		0.50	µg/L	1	12/02/2009 03:44	47700
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	12/02/2009 03:44	47700
1,1,1-Trichloroethane	ND		0.50	µg/L	1	12/02/2009 03:44	47700
1,2-Dichloroethane	ND		0.50	µg/L	1	12/02/2009 03:44	47700
Benzene	ND		0.50	µg/L	1	12/02/2009 03:44	47700
Trichloroethene	ND		0.50	µg/L	1	12/02/2009 03:44	47700
Toluene	ND		0.50	µg/L	1	12/02/2009 03:44	47700
1,1,2-Trichloroethane	ND		0.50	µg/L	1	12/02/2009 03:44	47700
Tetrachloroethene	ND		0.50	µg/L	1	12/02/2009 03:44	47700
Chlorobenzene	ND		0.50	µg/L	1	12/02/2009 03:44	47700
Ethylbenzene	ND		0.50	µg/L	1	12/02/2009 03:44	47700
m,p-Xylene	ND		0.50	µg/L	1	12/02/2009 03:44	47700
o-Xylene	ND		0.50	µg/L	1	12/02/2009 03:44	47700
Surrogate: Dibromofluoromethane	98.3		88-124	%REC	1	12/02/2009 03:44	47700
Surrogate: 1,2-Dichloroethane-d4	93.5		79-115	%REC	1	12/02/2009 03:44	47700
Surrogate: Toluene-d8	99.0		80-114	%REC	1	12/02/2009 03:44	47700
Surrogate: Bromofluorobenzene	100		60-123	%REC	1	12/02/2009 03:44	47700

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

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

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ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: H2394

SW8260_25_W

Project: NOW Corp. Site, 11/09

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

Sample ID: MB-47700	SampType: MBLK	TestCode: SW8260_25_W	Prep Date: 12/01/2009	Run ID: V5_091201B							
Client ID: MB-47700	Batch ID: 47700	Units: µg/L	Analysis Date: 12/01/2009	SeqNo: 1161216							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.50									
Chloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Methyl tert-butyl ether	ND	0.50									
1,1-Dichloroethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	0.50									
Trichloroethene	ND	0.50									
Toluene	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
Tetrachloroethene	ND	0.50									
Chlorobenzene	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	0.50									
o-Xylene	ND	0.50									
Surrogate: Dibromofluoromethane	9.487	0.50	10.00	0	94.9	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.897	0.50	10.00	0	99.0	79	115	0			
Surrogate: Toluene-d8	9.913	0.50	10.00	0	99.1	80	114	0			
Surrogate: Bromofluorobenzene	9.834	0.50	10.00	0	98.3	60	123	0			

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Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: AECOM Technical Services, Inc.
 Work Order: H2394
 Project: NOW Corp. Site, 11/09

ANALYTICAL QC SUMMARY REPORT

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

Sample ID: LCS-47700	SampType: LCS	TestCode: SW8260_25_W	Prep Date: 12/01/2009	Run ID: V5_091201B							
Client ID: LCS-47700	Batch ID: 47700	Units: µg/L	Analysis Date: 12/02/2009	SeqNo: 1161217							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.030	0.50	10.00	0	90.3	77	120	0			
Chloroethane	9.616	0.50	10.00	0	96.2	75	135	0			
1,1-Dichloroethene	8.622	0.50	10.00	0	86.2	81	125	0			
trans-1,2-Dichloroethene	9.452	0.50	10.00	0	94.5	60	137	0			
Methyl tert-butyl ether	9.038	0.50	10.00	0	90.4	61	134	0			
1,1-Dichloroethane	9.808	0.50	10.00	0	98.1	82	120	0			
cis-1,2-Dichloroethene	9.956	0.50	10.00	0	99.6	84	116	0			
1,1,1-Trichloroethane	9.518	0.50	10.00	0	95.2	80	124	0			
1,2-Dichloroethane	9.345	0.50	10.00	0	93.5	86	117	0			
Benzene	10.01	0.50	10.00	0	100	81	121	0			
Trichloroethene	9.861	0.50	10.00	0	98.6	74	123	0			
Toluene	9.776	0.50	10.00	0	97.8	88	117	0			
1,1,2-Trichloroethane	9.547	0.50	10.00	0	95.5	83	121	0			
Tetrachloroethene	10.85	0.50	10.00	0	109	74	115	0			
Chlorobenzene	9.883	0.50	10.00	0	98.8	83	112	0			
Ethylbenzene	10.28	0.50	10.00	0	103	87	110	0			
m,p-Xylene	20.60	0.50	20.00	0	103	87	114	0			
o-Xylene	10.13	0.50	10.00	0	101	84	114	0			
Surrogate: Dibromofluoromethane	9.481	0.50	10.00	0	94.8	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.627	0.50	10.00	0	96.3	79	115	0			
Surrogate: Toluene-d8	9.861	0.50	10.00	0	98.6	80	114	0			
Surrogate: Bromofluorobenzene	9.677	0.50	10.00	0	96.8	60	123	0			

0010

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

CLIENT: AECOM Technical Services, Inc.
 Work Order: H2394
 Project: NOW Corp. Site, 11/09

ANALYTICAL QC SUMMARY REPORT

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

Sample ID: LCSD-47700	SampType: LCSD	TestCode: SW8260_25_W	Prep Date: 12/01/2009	Run ID: V5_091201B					
Client ID: LCSD-47700	Batch ID: 47700	Units: µg/L	Analysis Date: 12/02/2009	SeqNo: 1161218					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit
Vinyl chloride	9.079	0.50	10.00	0	90.8	77	120	9.030	0.541
Chloroethane	9.518	0.50	10.00	0	95.2	75	135	9.616	1.03
1,1-Dichloroethene	8.890	0.50	10.00	0	88.9	81	125	8.622	3.06
trans-1,2-Dichloroethene	9.167	0.50	10.00	0	91.7	60	137	9.452	3.07
Methyl tert-butyl ether	9.198	0.50	10.00	0	92.0	61	134	9.038	1.75
1,1-Dichloroethane	9.773	0.50	10.00	0	97.7	82	120	9.808	0.356
cis-1,2-Dichloroethane	10.06	0.50	10.00	0	101	84	116	9.956	1.02
1,1,1-Trichloroethane	9.580	0.50	10.00	0	95.8	80	124	9.518	0.651
1,2-Dichloroethane	9.349	0.50	10.00	0	93.5	86	117	9.345	0.0398
Benzene	10.25	0.50	10.00	0	103	81	121	10.01	2.41
Trichloroethene	10.07	0.50	10.00	0	101	74	123	9.861	2.05
Toluene	9.905	0.50	10.00	0	99.1	88	117	9.776	1.32
1,1,2-Trichloroethane	9.388	0.50	10.00	0	93.9	83	121	9.547	1.68
Tetrachloroethene	10.14	0.50	10.00	0	101	74	115	10.85	6.78
Chlorobenzene	10.22	0.50	10.00	0	102	83	112	9.883	3.32
Ethylbenzene	10.31	0.50	10.00	0	103	87	110	10.28	0.285
m,p-Xylene	20.93	0.50	20.00	0	105	87	114	20.60	1.55
o-Xylene	10.16	0.50	10.00	0	102	84	114	10.13	0.222
Surrogate: Dibromofluoromethane	9.429	0.50	10.00	0	94.3	88	124	0	
Surrogate: 1,2-Dichloroethane-d4	8.996	0.50	10.00	0	90.0	79	115	0	
Surrogate: Toluene-d8	10.00	0.50	10.00	0	100	80	114	0	
Surrogate: Bromofluorobenzene	9.929	0.50	10.00	0	99.3	60	123	0	

0011

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

Mitkem Laboratories

Date: 25-Nov-09

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF 112009

Lab ID: H2394-01

Project: NOW Corp. Site, 11/09

Collection Date: 11/20/09 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_W
Aluminum	ND		200	µg/L	1	11/24/2009 8:05	47588
Arsenic	ND		20	µg/L	1	11/24/2009 8:05	47588
Barium	99	J	200	µg/L	1	11/24/2009 8:05	47588
Chromium	0.60	J	20	µg/L	1	11/24/2009 8:05	47588
Copper	ND		25	µg/L	1	11/24/2009 8:05	47588
Iron	ND		200	µg/L	1	11/24/2009 8:05	47588
Manganese	71		50	µg/L	1	11/24/2009 8:05	47588
Nickel	1.9	J	50	µg/L	1	11/24/2009 8:05	47588
Zinc	11	BJ	50	µg/L	1	11/24/2009 8:05	47588
SW846 7470 -- Mercury by FIA							SW7470
Mercury	ND		0.20	µg/L	1	11/24/2009 6:11	47590

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:** 25-Nov-09**Client:** AECOM Technical Services, Inc.**Client Sample ID:** INF 112009**Lab ID:** H2394-02**Project:** NOW Corp. Site, 11/09**Collection Date:** 11/20/09 11:30

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP				SW6010_W
Aluminum	18 BJ	200 µg/L	1 11/24/2009 8:08	47588
Arsenic	ND	20 µg/L	1 11/24/2009 8:08	47588
Barium	100 J	200 µg/L	1 11/24/2009 8:08	47588
Chromium	0.81 J	20 µg/L	1 11/24/2009 8:08	47588
Copper	5.5 BJ	25 µg/L	1 11/24/2009 8:08	47588
Iron	250	200 µg/L	1 11/24/2009 8:08	47588
Manganese	190	50 µg/L	1 11/24/2009 8:08	47588
Nickel	2.0 J	50 µg/L	1 11/24/2009 8:08	47588
Zinc	12 BJ	50 µg/L	1 11/24/2009 8:08	47588
SW846 7470 -- Mercury by FIA				SW7470
Mercury	ND	0.20 µg/L	1 11/24/2009 6:12	47590

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: H2394

SW6010_W

Project: NOW Corp. Site, 11/09

SW846 6010 -- Metals by ICP

Sample ID: MB-47588	SampType: MBLK	TestCode: SW6010_W	Prep Date: 11/23/2009	Run ID: OPTIMA2_091124A				
Client ID: MB-47588	Batch ID: 47588	Units: µg/L	Analysis Date: 11/24/2009	SeqNo: 1157241				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Aluminum	73.21	200						J
Arsenic	ND	20						
Barium	ND	200						
Chromium	ND	20						
Copper	5.590	30						J
Iron	ND	200						
Manganese	ND	50						
Nickel	ND	50						
Zinc	10.75	50						J

Sample ID: LCS-47588	SampType: LCS	TestCode: SW6010_W	Prep Date: 11/23/2009	Run ID: OPTIMA2_091124A				
Client ID: LCS-47588	Batch ID: 47588	Units: µg/L	Analysis Date: 11/24/2009	SeqNo: 1157242				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Aluminum	9164	200	9100	0	101	80	120	B
Arsenic	482.3	20	455.0	0	106	80	120	
Barium	9547	200	9100	0	105	80	120	
Chromium	915.5	20	910.0	0	101	80	120	
Copper	1159	30	1130	0	103	80	120	B
Iron	4674	200	4550	0	103	80	120	
Manganese	2369	50	2270	0	104	80	120	
Nickel	2338	50	2270	0	103	80	120	
Zinc	2354	50	2270	0	104	80	120	B

Qualifiers: ND - Not Detected at the Reporting Limit

mLIMS-001 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: AECOM Technical Services, Inc.

SW7470

SW846 7470 -- Mercury by FIA

Sample ID: MB-47590	SampType: MBLK	TestCode: SW7470	Prep Date: 11/23/2009	Run ID: FIMS1_091124B
Client ID: MB-47590	Batch ID: 47590	Units: µg/L	Analysis Date: 11/24/2009	SeqNo: 1157099
Analyte	Result	PQL	SPK value	SPK Ref Val
Mercury	ND	0.20		
Sample ID: LCS-47590	SampType: LCS	TestCode: SW7470	Prep Date: 11/23/2009	Run ID: FIMS1_091124B
Client ID: LCS-47590	Batch ID: 47590	Units: µg/L	Analysis Date: 11/24/2009	SeqNo: 1157100
Analyte	Result	PQL	SPK value	SPK Ref Val
Mercury	4.548	0.20	4.550	0

991

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

Mitkem Laboratories**Date:** 04-Dec-09**Client:** AECOM Technical Services, Inc.**Client Sample ID:** EFF 112009**Lab ID:** H2394-01**Project:** NOW Corp. Site, 11/09**Collection Date:** 11/20/09 11:00

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	11/25/2009 9:12	47621
SM 2540D -- TOTAL SUSPENDED SOLIDS							SM2540_TSS
Total Suspended Solids	ND		10	mg/L	1	11/25/2009 10:03	47622
SW846 9012 -- Total Cyanide							SW9012_W
Cyanide	ND		10	µg/L	1	12/03/2009 11:41	47707

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-Dec-09

Client: AECOM Technical Services, Inc.

Client Sample ID: INF 112009

Lab ID: H2394-02

Project: NOW Corp. Site, 11/09

Collection Date: 11/20/09 11:30

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	11/25/2009 9:18	47621
SM 2540D -- TOTAL SUSPENDED SOLIDS							SM2540_TSS
Total Suspended Solids	ND		10	mg/L	1	11/25/2009 10:12	47622
SW846 9012 -- Total Cyanide							SW9012_W
Cyanide	ND		10	µg/L	1	12/03/2009 11:43	47707

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: H2394

SM2540_TDS

Project: NOW Corp. Site, 11/09

SM 2540C -- TOTAL DISSOLVED SOLIDS

Sample ID: MB-47621	SampType: MBLK	TestCode: SM2540_TDS	Prep Date: 11/24/2009	Run ID: MANUAL_091124A	
Client ID: MB-47621	Batch ID: 47621	Units: mg/L	Analysis Date: 11/25/2009	SeqNo: 1159466	
Analyte		Result	SPK Ref Val	SPK value	RPD Ref Val
		ND			%RPD RPDLimit
Total Dissolved Solids		10			Qual
Sample ID: LCS-47621	SampType: LCS	TestCode: SM2540_TDS	Prep Date: 11/24/2009	Run ID: MANUAL_091124A	
Client ID: LCS-47621	Batch ID: 47621	Units: mg/L	Analysis Date: 11/25/2009	SeqNo: 1159467	
Analyte		Result	SPK Ref Val	SPK value	RPD Ref Val
		468.0	0	451.0	%RPD RPDLimit
Total Dissolved Solids		10	104	80	120
Sample ID: H2394-02BDUP	SampType: DUP	TestCode: SM2540_TDS	Prep Date: 11/24/2009	Run ID: MANUAL_091124A	
Client ID: INF 112009	Batch ID: 47621	Units: mg/L	Analysis Date: 11/25/2009	SeqNo: 1159475	
Analyte		Result	SPK Ref Val	SPK value	RPD Ref Val
		282.0	0	0	%RPD RPDLimit
Total Dissolved Solids		10	0	0	281.0
					0.355
					20

0018

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

mLIMS-001

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: H2394

SM2540_TSS

Project: NOW Corp. Site, 11/09

SM 2540D -- TOTAL SUSPENDED SOLIDS

Sample ID: MB-47622	SampType: MBLK	TestCode: SM2540_TSS	Prep Date: 11/24/2009	Run ID: MANUAL_091124A	
Client ID: MB-47622	Batch ID: 47622	Units: mg/L	Analysis Date: 11/25/2009	SeqNo: 1159476	
Analyte		Result	SPK Ref Val	SPK value	RPD Ref Val
		ND			
Total Suspended Solids		10			
Sample ID: LCS-47622	SampType: LCS	TestCode: SM2540_TSS	Prep Date: 11/24/2009	Run ID: MANUAL_091124A	
Client ID: LCS-47622	Batch ID: 47622	Units: mg/L	Analysis Date: 11/25/2009	SeqNo: 1159477	
Analyte		Result	SPK Ref Val	SPK value	RPD Ref Val
		24.00	0	27.90	
Total Suspended Solids		10	86.0	120	0
Sample ID: H2394-02BDUP	SampType: DUP	TestCode: SM2540_TSS	Prep Date: 11/24/2009	Run ID: MANUAL_091124A	
Client ID: INF 112009	Batch ID: 47622	Units: mg/L	Analysis Date: 11/25/2009	SeqNo: 1159480	
Analyte		Result	SPK Ref Val	SPK value	RPD Ref Val
		ND	0	0	
Total Suspended Solids		10	0	0	20

0010

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

CLIENT: AECOM Technical Services, Inc.
Work Order: H2394
Project: NOW Corp. Site, 11/09

ANALYTICAL QC SUMMARY REPORT

SW9012_W

SW846 9012 -- Total Cyanide

Sample ID: MB-47707	SampType: MBLK	TestCode: SW9012_W	Prep Date: 12/1/2009	Run ID: LACHAT1_091203A	
Client ID: MB-47707	Batch ID: 47707	Units: µg/L	Analysis Date: 12/3/2009	SeqNo: 1163644	
Analyte		Result	SPK Ref Val	SPK value	RPD Ref Val
Cyanide		ND		20	%RPD RPDLimit Qual
Sample ID: LCS-47707	SampType: LCS	TestCode: SW9012_W	Prep Date: 12/1/2009	Run ID: LACHAT1_091203A	
Client ID: LCS-47707	Batch ID: 47707	Units: µg/L	Analysis Date: 12/3/2009	SeqNo: 1163645	
Analyte		Result	SPK Ref Val	SPK value	RPD Ref Val
Cyanide		86.22	0	100.0	%REC LowLimit HighLimit %RPD RPDLimit Qual
Sample ID: H2394-02DDUP	SampType: DUP	TestCode: SW9012_W	Prep Date: 12/1/2009	Run ID: LACHAT1_091203A	
Client ID: INF 112009	Batch ID: 47707	Units: µg/L	Analysis Date: 12/3/2009	SeqNo: 1163649	
Analyte		Result	SPK Ref Val	SPK value	RPD Ref Val
Cyanide		ND	0	0	%REC LowLimit HighLimit %RPD RPDLimit Qual
Sample ID: H2394-02DMS	SampType: MS	TestCode: SW9012_W	Prep Date: 12/1/2009	Run ID: LACHAT1_091203A	
Client ID: INF 112009	Batch ID: 47707	Units: µg/L	Analysis Date: 12/3/2009	SeqNo: 1163650	
Analyte		Result	SPK Ref Val	SPK value	RPD Ref Val
Cyanide		80.41	0	100.0	%REC LowLimit HighLimit %RPD RPDLimit Qual

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

Mitkem Laboratories

Date: 04-Dec-09

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF 112009

Lab ID: H2394-01

Project: NOW Corp. Site, 11/09

Collection Date: 11/20/09 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA 1664 -- Oil & Grease, HEM							E1664
Oil & Grease, Total Recoverable	ND		5.0	mg/L	1	12/04/2009 0:00	47698

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-Dec-09

Client: AECOM Technical Services, Inc.
Client Sample ID: INF 112009
Lab ID: H2394-02

Project: NOW Corp. Site, 11/09
Collection Date: 11/20/09 11:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA 1664 -- Oil & Grease, HEM							E1664
Oil & Grease, Total Recoverable	ND		5.0	mg/L	1	12/04/2009 0:00	47698

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

E1664

EPA 1664 -- Oil & Grease, HEM

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

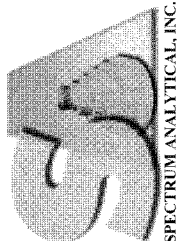
WorkOrder: H2394**11/23/2009 13:50****Mitkem Laboratories****Client ID:** EARTH_NY**Project:** NOW Corp. Site**WO Name:** NOW Corp. Site**Location:** NOW_CORP,**Comments:** N/A**Case:****SDG:****HC Due:** 12/09/09 **Report Level:** LEVEL 2**Fax Due:** **EDD:****Fax Report:** ☐**PO:** 94017.02

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
H2394-01A	EFF 112009	11/20/2009 11:00	11/21/2009	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
H2394-01B	EFF 112009	11/20/2009 11:00	11/21/2009	Aqueous	SM2540_TDS	/					D3
H2394-01B	EFF 112009	11/20/2009 11:00	11/21/2009	Aqueous	SM2540_TSS	/					D3
H2394-01C	EFF 112009	11/20/2009 11:00	11/21/2009	Aqueous	SW6010_W	/ See SEL list				Y	M2
H2394-01C	EFF 112009	11/20/2009 11:00	11/21/2009	Aqueous	SW7470	/ See SEL list					M2
H2394-01D	EFF 112009	11/20/2009 11:00	11/21/2009	Aqueous	SW9012_W	/				Y	D3
H2394-01E	EFF 112009	11/20/2009 11:00	11/21/2009	Aqueous	E1664	/					D3
H2394-02A	INF 112009	11/20/2009 11:30	11/21/2009	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
H2394-02B	INF 112009	11/20/2009 11:30	11/21/2009	Aqueous	SM2540_TDS	/					D3
H2394-02B	INF 112009	11/20/2009 11:30	11/21/2009	Aqueous	SM2540_TSS	/					D3
H2394-02C	INF 112009	11/20/2009 11:30	11/21/2009	Aqueous	SW6010_W	/ See SEL list				Y	M2
H2394-02C	INF 112009	11/20/2009 11:30	11/21/2009	Aqueous	SW7470	/ See SEL list					M2
H2394-02D	INF 112009	11/20/2009 11:30	11/21/2009	Aqueous	SW9012_W	/				Y	D3
H2394-02E	INF 112009	11/20/2009 11:30	11/21/2009	Aqueous	E1664	/					D3
H2394-03A	TW-1	11/20/2009 12:00	11/21/2009	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
H2394-04A	TW-2A	11/20/2009 12:10	11/21/2009	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
H2394-05A	TW-3	11/20/2009 12:20	11/21/2009	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
H2394-06A	TRIP BLANK	11/20/2009 00:00	11/21/2009	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA

0012

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

HT = Test logged in but has been placed on hold



HANIBAL TECHNOLOGY
Featuring
SPECTRUM ANALYTICAL, INC.

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: Steve Choiniere
AECOM
40 British American Blvd
Latham, NY 12110
 Telephone #: 518-951-2200
 Project Mgr. Steve Choiniere

Invoice To: Same

Project No.: 60135676.02
 Site Name: New Corp
 Location: Stutsbury State: NY
 Sampler(s): RV + SEG-

P.O. No.: 60135676.02 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

QA/QC Reporting Notes:
 (check as needed)

- ☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report
 QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other _____
 State specific reporting standards: _____

Analyses:

Containers:

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

Matrix Type

Lab Id:	Sample Id:	Date:	Time:
01	EPA 112009	11/20/09	1100
02	INF 112009	1130	1130
03	TW-1	1200	1200
04	TW-2A	1210	1210
05	TW-3	1220	1220
06	Trip Blank	---	---

8260
 Metals
 TDS/TS
 O+G
 Cyanide

*AL, AS, BA,
 CR, CU, FE,
 MN, HG, ZN,
 N

Requisitioned by:

Received by:

Temp °C

EDD Format

E-mail to

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

MITKEM LABORATORIES
Sample Condition Form

Page 1 of 1

Received By: <u>AED</u>		Reviewed By: <u>[Signature]</u>		Date: <u>11/23/09</u>		MITKEM Workorder #: <u>H2394</u>		
Client Project: <u>NOW CORP</u>				Client: <u>EARTH TECH</u>			Soil Headspace or Air Bubbles ≥ 1/4"	
				Preservation (pH)				
		Lab Sample ID	HNO ₃	H ₂ SO ₄	HCl	NaOH	H ₃ PO ₄	VOA Matrix
1) Cooler Sealed <u>Yes</u> / No		<u>H2394</u> 01	<2		<2	>12		H
		↓ 02	<2		<2	>12		
2) Custody Seal(s) <u>Present</u> / Absent		03						
<u>Coolers</u> / Bottles		04						
<u>Intact</u> / Broken		↓ 05						↓
		<u>H2394</u> 06						H
3) Custody Seal Number(s) <u>N/A</u>								
↓								
4) Chain-of-Custody <u>Present</u> / Absent								
5) Cooler Temperature <u>3^{ac}</u>								
Coolant Condition <u>ICE</u>								
6) Airbill(s) <u>Present</u> / Absent								
Airbill Number(s) <u>FEDEX</u>								
<u>869079240361</u>								
7) Sample Bottles <u>Intact</u> / Broken / Leaking								
8) Date Received <u>11/21/09</u>								
9) Time Received <u>9:00</u>								
Preservative Name/Lot No:								

AED 11/23/09

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

See Sample Condition Notification/Corrective Action Form yes no

Rad OK yes/ no

Last Page of Data Report