

**Operation, Maintenance and Monitoring Report
July 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**

August 2009

August 31, 2009

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" 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 (**June 17, 2009 to July 16, 2009**).

With the exceptions noted below, if any, the P&T system was online and operational throughout the reporting period. Approximately 840,000 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 29,000 gallons per day (gpd). During the prior reporting period, the average discharge was 27,500 gpd.

As of the last day of the reporting period, a total of 72,165,000 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 16, 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 June 17 service visit was described in the previous report. Details for the current period follow:

July 16 - Monthly system inspection and water sampling. Adjusted flow rate on TW-1. Reduced stripper blower pressure – stripper will soon need cleaning. Performed general housekeeping.

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 16, 2009
NOW Corporation Site
Town of Clinton, New York

Analytes/ Parameters	Total Influent	Effluent	Recovery Wells			Effluent Limitations	
			TW-1	TW-2A	TW-3	Monitor	(units) gpd standard units
Quantity treated, per day		28,969				Monitor	
pH	6.7	7.1				6.5 to 8.5	
Oil and Grease	<5.0	<5.0	NA	NA	NA	15	mg/L
Total Cyanide	<10	<10	NA	NA	NA	10	ug/L
TDS	260	260	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	65 J	67 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	<200	<200	NA	NA	NA	600	ug/L
Mercury	<0.20	<0.20	NA	NA	NA	0.8	ug/L
Manganese	92 B	53 B	NA	NA	NA	600	ug/L
Nickel	1.5 BJ	1.7 BJ	NA	NA	NA	200	ug/L
Zinc	9.9 BJ	14 BJ	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	220	<0.50	4.7	350	2.4	5	ug/L
1,1,2-Trichloroethane	<5.0	<0.50	<1.0	<10	<0.50	1.2	ug/L
1,1-Dichloroethane	80	<0.50	47	120	10	5	ug/L
1,1-Dichloroethene	8.5	<0.50	9.2	10	1.4	0.5	ug/L
1,2-Dichloroethane	<5.0	<0.50	<1.0	<10	<0.50	1.6	ug/L
Benzene	<5.0	<0.50	<1.0	<10	<0.50	0.8	ug/L
Chlorobenzene	<5.0	<0.50	<1.0	<10	<0.50	5	ug/L
Chloroethane	<5.0	<0.50	<1.0	<10	<0.50	5	ug/L
cis-1,2-Dichloroethene	10	<0.50	6.3	13	0.43 J	5	ug/L
Ethylbenzene	<5.0	<0.50	<1.0	<10	<0.50	5	ug/L
Methyl tert-butyl ether	<5.0	<0.50	<1.0	<10	<0.50	5	ug/L
o-Xylene	<5.0	<0.50	<1.0	<10	<0.50	5	ug/L
p&m-Xylene	<5.0	<0.50	<1.0	<10	<0.50	10	ug/L
Tetrachloroethene	<5.0	<0.50	<1.0	<10	<0.50	1.4	ug/L
Toluene	<5.0	<0.50	<1.0	<10	<0.50	5	ug/L
trans-1,2-Dichloroethene	<5.0	<0.50	<1.0	<10	<0.50	5	ug/L
Trichloroethene	220	<0.50	73	350	13	5	ug/L
Vinyl Chloride	<5.0	<0.50	<1.0	<10	<0.50	0.6	ug/L

Notes:

- 1) Detected concentrations are presented in **bold** typeface, and are expressed in the units shown in far right column.
- 2) Effluent concentration boxed in **bold** denotes exceedance of effluent limitations.
- 3) NA indicates not analyzed.
- 4) "J" indicates an estimated concentration below the reporting limit (RL).
- 5) "D" denotes analytical result for a diluted sample.
- 6) "B" denotes metal detected in method blank at concentration below the RL, but above the method detection limit.

Table 2
Summary of July 2009 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:	7/16/09	Units
<i>TW-1</i>		
Pumping Rate	1	GPM
Water Level Above Transducer	48.72	feet
Flow Meter Reading	4,995,100	gallons
Pump Pressure	76	psi
<i>TW-2A</i>		
Pumping Rate	14	GPM
Water Level Above Transducer	43.82	feet
Flow Meter Reading	12,219,800	gallons
Pump Pressure	4	psi
<i>TW-3</i>		
Pumping Rate	3	GPM
Water Level Above Transducer	17.92	feet
Flow Meter Reading	6,988,800	gallons
Pump Pressure	60	psi
<i>Air Stripper</i>		
Stripper Blower Pressure	22	inches H ₂ O
Air Temperature in Stripper	50	°F
Pressure Gauge - Left Leg	0.4	inches H ₂ O
Pressure Gauge - Right Leg	0.3	inches H ₂ O
<i>Effluent Flow</i>		
Effluent Flow this period (calculated)	840,100	gallons
Total Effluent Flow (calculated)	72,164,900	gallons



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July 31, 2009

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

RE: Client Project: NOW Corp. Site, 94017.02, 07/09
Lab Project #: H1301

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', is written over the word 'Sincerely,'.

Edward A. Lawler
Laboratory Operations Manager

Report of Laboratory Analyses for AECOM Technical Services

Client Project: NOW Corp. 94017.02, 07/09

Mitkem Work Order ID: H1301

July 31, 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, 07709

Lab Work Order: H1301

Date samples received: 07/17/09

Project Narrative

This data report includes the analysis results for six (6) aqueous samples that were received from AECOM Technical Services on July 17, 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.

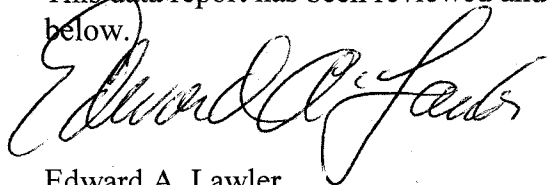
Surrogate recoveries were within the QC limits for volatile organic analyses. Percent recoveries in laboratory control samples were within the QC limits with the exception of marginally low recovery for 1,2-dichloroethene in the LCSD. The following samples were analyzed at dilution: INF 071609 at 10X, TW-1 at 2X, and TW-2A at 20X.

Spike recoveries were within the QC limits in the laboratory control samples for metals, total dissolved solids, total suspended solids, cyanide and oil & grease analyses. Serial dilution was performed on sample INF 71609. Duplicate analyses were performed for total dissolved solids, total suspended solids, and cyanide on sample INF 71609. Matrix spike analysis was performed on sample INF 71609 for cyanide. Relative percent differences and percent RPDs were within the QC limits. Method blank MB-44927 contained manganese, nickel, and zinc below the reporting limit, but above the method detection limit. Nickel and zinc were also detected below the reporting limit in the samples. Manganese was detected in the samples, but at a concentration more than 10X above the method blank, indicating no significant contribution of laboratory background to sample concentrations.

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: 31-Jul-09

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF 71609

Project: NOW Corp. Site

Lab ID: H1301-01

Collection Date: 07/16/09 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		0.50	µg/L	1	07/28/2009 17:50	45058
Chloroethane	ND		0.50	µg/L	1	07/28/2009 17:50	45058
1,1-Dichloroethene	ND		0.50	µg/L	1	07/28/2009 17:50	45058
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	07/28/2009 17:50	45058
Methyl tert-butyl ether	ND		0.50	µg/L	1	07/28/2009 17:50	45058
1,1-Dichloroethane	ND		0.50	µg/L	1	07/28/2009 17:50	45058
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	07/28/2009 17:50	45058
1,1,1-Trichloroethane	ND		0.50	µg/L	1	07/28/2009 17:50	45058
1,2-Dichloroethane	ND		0.50	µg/L	1	07/28/2009 17:50	45058
Benzene	ND		0.50	µg/L	1	07/28/2009 17:50	45058
Trichloroethene	ND		0.50	µg/L	1	07/28/2009 17:50	45058
Toluene	ND		0.50	µg/L	1	07/28/2009 17:50	45058
1,1,2-Trichloroethane	ND		0.50	µg/L	1	07/28/2009 17:50	45058
Tetrachloroethene	ND		0.50	µg/L	1	07/28/2009 17:50	45058
Chlorobenzene	ND		0.50	µg/L	1	07/28/2009 17:50	45058
Ethylbenzene	ND		0.50	µg/L	1	07/28/2009 17:50	45058
m,p-Xylene	ND		0.50	µg/L	1	07/28/2009 17:50	45058
o-Xylene	ND		0.50	µg/L	1	07/28/2009 17:50	45058
Surrogate: Dibromofluoromethane	104		88-124	%REC	1	07/28/2009 17:50	45058
Surrogate: 1,2-Dichloroethane-d4	97.7		79-115	%REC	1	07/28/2009 17:50	45058
Surrogate: Toluene-d8	102		80-114	%REC	1	07/28/2009 17:50	45058
Surrogate: Bromofluorobenzene	90.6		60-123	%REC	1	07/28/2009 17:50	45058

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: 31-Jul-09

Client: AECOM Technical Services, Inc.

Client Sample ID: INF 71609

Project: NOW Corp. Site

Lab ID: H1301-02

Collection Date: 07/16/09 11:35

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		5.0	µg/L		10 07/28/2009 16:16	45058
Chloroethane	ND		5.0	µg/L		10 07/28/2009 16:16	45058
1,1-Dichloroethene	8.5		5.0	µg/L		10 07/28/2009 16:16	45058
trans-1,2-Dichloroethene	ND		5.0	µg/L		10 07/28/2009 16:16	45058
Methyl tert-butyl ether	ND		5.0	µg/L		10 07/28/2009 16:16	45058
1,1-Dichloroethane	80		5.0	µg/L		10 07/28/2009 16:16	45058
cis-1,2-Dichloroethene	10		5.0	µg/L		10 07/28/2009 16:16	45058
1,1,1-Trichloroethane	220		5.0	µg/L		10 07/28/2009 16:16	45058
1,2-Dichloroethane	ND		5.0	µg/L		10 07/28/2009 16:16	45058
Benzene	ND		5.0	µg/L		10 07/28/2009 16:16	45058
Trichloroethene	220		5.0	µg/L		10 07/28/2009 16:16	45058
Toluene	ND		5.0	µg/L		10 07/28/2009 16:16	45058
1,1,2-Trichloroethane	ND		5.0	µg/L		10 07/28/2009 16:16	45058
Tetrachloroethene	ND		5.0	µg/L		10 07/28/2009 16:16	45058
Chlorobenzene	ND		5.0	µg/L		10 07/28/2009 16:16	45058
Ethylbenzene	ND		5.0	µg/L		10 07/28/2009 16:16	45058
m,p-Xylene	ND		5.0	µg/L		10 07/28/2009 16:16	45058
o-Xylene	ND		5.0	µg/L		10 07/28/2009 16:16	45058
Surrogate: Dibromofluoromethane	103		88-124	%REC		10 07/28/2009 16:16	45058
Surrogate: 1,2-Dichloroethane-d4	103		79-115	%REC		10 07/28/2009 16:16	45058
Surrogate: Toluene-d8	101		80-114	%REC		10 07/28/2009 16:16	45058
Surrogate: Bromofluorobenzene	95.5		60-123	%REC		10 07/28/2009 16:16	45058

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: 31-Jul-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-1

Project: NOW Corp. Site

Lab ID: H1301-03

Collection Date: 07/16/09 11:40

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		1.0	µg/L		2 07/28/2009 15:45	45058
Chloroethane	ND		1.0	µg/L		2 07/28/2009 15:45	45058
1,1-Dichloroethene	9.2		1.0	µg/L		2 07/28/2009 15:45	45058
trans-1,2-Dichloroethene	ND		1.0	µg/L		2 07/28/2009 15:45	45058
Methyl tert-butyl ether	ND		1.0	µg/L		2 07/28/2009 15:45	45058
1,1-Dichloroethane	47		1.0	µg/L		2 07/28/2009 15:45	45058
cis-1,2-Dichloroethene	6.3		1.0	µg/L		2 07/28/2009 15:45	45058
1,1,1-Trichloroethane	4.7		1.0	µg/L		2 07/28/2009 15:45	45058
1,2-Dichloroethane	ND		1.0	µg/L		2 07/28/2009 15:45	45058
Benzene	ND		1.0	µg/L		2 07/28/2009 15:45	45058
Trichloroethene	73		1.0	µg/L		2 07/28/2009 15:45	45058
Toluene	ND		1.0	µg/L		2 07/28/2009 15:45	45058
1,1,2-Trichloroethane	ND		1.0	µg/L		2 07/28/2009 15:45	45058
Tetrachloroethene	ND		1.0	µg/L		2 07/28/2009 15:45	45058
Chlorobenzene	ND		1.0	µg/L		2 07/28/2009 15:45	45058
Ethylbenzene	ND		1.0	µg/L		2 07/28/2009 15:45	45058
m,p-Xylene	ND		1.0	µg/L		2 07/28/2009 15:45	45058
o-Xylene	ND		1.0	µg/L		2 07/28/2009 15:45	45058
Surrogate: Dibromofluoromethane	108		88-124	%REC		2 07/28/2009 15:45	45058
Surrogate: 1,2-Dichloroethane-d4	104		79-115	%REC		2 07/28/2009 15:45	45058
Surrogate: Toluene-d8	100		80-114	%REC		2 07/28/2009 15:45	45058
Surrogate: Bromofluorobenzene	97.9		60-123	%REC		2 07/28/2009 15:45	45058

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: 31-Jul-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-2A

Project: NOW Corp. Site

Lab ID: H1301-04

Collection Date: 07/16/09 11:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		10	µg/L		20 07/28/2009 16:47	45058
Chloroethane	ND		10	µg/L		20 07/28/2009 16:47	45058
1,1-Dichloroethene	10		10	µg/L		20 07/28/2009 16:47	45058
trans-1,2-Dichloroethene	ND		10	µg/L		20 07/28/2009 16:47	45058
Methyl tert-butyl ether	ND		10	µg/L		20 07/28/2009 16:47	45058
1,1-Dichloroethane	120		10	µg/L		20 07/28/2009 16:47	45058
cis-1,2-Dichloroethene	13		10	µg/L		20 07/28/2009 16:47	45058
1,1,1-Trichloroethane	350		10	µg/L		20 07/28/2009 16:47	45058
1,2-Dichloroethane	ND		10	µg/L		20 07/28/2009 16:47	45058
Benzene	ND		10	µg/L		20 07/28/2009 16:47	45058
Trichloroethene	350		10	µg/L		20 07/28/2009 16:47	45058
Toluene	ND		10	µg/L		20 07/28/2009 16:47	45058
1,1,2-Trichloroethane	ND		10	µg/L		20 07/28/2009 16:47	45058
Tetrachloroethene	ND		10	µg/L		20 07/28/2009 16:47	45058
Chlorobenzene	ND		10	µg/L		20 07/28/2009 16:47	45058
Ethylbenzene	ND		10	µg/L		20 07/28/2009 16:47	45058
m,p-Xylene	ND		10	µg/L		20 07/28/2009 16:47	45058
o-Xylene	ND		10	µg/L		20 07/28/2009 16:47	45058
Surrogate: Dibromofluoromethane	105		88-124	%REC		20 07/28/2009 16:47	45058
Surrogate: 1,2-Dichloroethane-d4	105		79-115	%REC		20 07/28/2009 16:47	45058
Surrogate: Toluene-d8	105		80-114	%REC		20 07/28/2009 16:47	45058
Surrogate: Bromofluorobenzene	94.1		60-123	%REC		20 07/28/2009 16:47	45058

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: 31-Jul-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-3

Project: NOW Corp. Site

Lab ID: H1301-05

Collection Date: 07/16/09 11:48

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 07/28/2009 18:21	45058
Chloroethane	ND		0.50	µg/L		1 07/28/2009 18:21	45058
1,1-Dichloroethene	1.4		0.50	µg/L		1 07/28/2009 18:21	45058
trans-1,2-Dichloroethene	ND		0.50	µg/L		1 07/28/2009 18:21	45058
Methyl tert-butyl ether	ND		0.50	µg/L		1 07/28/2009 18:21	45058
1,1-Dichloroethane	10		0.50	µg/L		1 07/28/2009 18:21	45058
cis-1,2-Dichloroethene	0.43	J	0.50	µg/L		1 07/28/2009 18:21	45058
1,1,1-Trichloroethane	2.4		0.50	µg/L		1 07/28/2009 18:21	45058
1,2-Dichloroethane	ND		0.50	µg/L		1 07/28/2009 18:21	45058
Benzene	ND		0.50	µg/L		1 07/28/2009 18:21	45058
Trichloroethene	13		0.50	µg/L		1 07/28/2009 18:21	45058
Toluene	ND		0.50	µg/L		1 07/28/2009 18:21	45058
1,1,2-Trichloroethane	ND		0.50	µg/L		1 07/28/2009 18:21	45058
Tetrachloroethene	ND		0.50	µg/L		1 07/28/2009 18:21	45058
Chlorobenzene	ND		0.50	µg/L		1 07/28/2009 18:21	45058
Ethylbenzene	ND		0.50	µg/L		1 07/28/2009 18:21	45058
m,p-Xylene	ND		0.50	µg/L		1 07/28/2009 18:21	45058
o-Xylene	ND		0.50	µg/L		1 07/28/2009 18:21	45058
Surrogate: Dibromofluoromethane	100		88-124	%REC		1 07/28/2009 18:21	45058
Surrogate: 1,2-Dichloroethane-d4	91.7		79-115	%REC		1 07/28/2009 18:21	45058
Surrogate: Toluene-d8	105		80-114	%REC		1 07/28/2009 18:21	45058
Surrogate: Bromofluorobenzene	87.8		60-123	%REC		1 07/28/2009 18:21	45058

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: 31-Jul-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TRIP BLANK

Project: NOW Corp. Site

Lab ID: H1301-06

Collection Date: 07/16/09 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	07/28/2009 17:19	45058
Chloroethane	ND		0.50	µg/L	1	07/28/2009 17:19	45058
1,1-Dichloroethene	ND		0.50	µg/L	1	07/28/2009 17:19	45058
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	07/28/2009 17:19	45058
Methyl tert-butyl ether	ND		0.50	µg/L	1	07/28/2009 17:19	45058
1,1-Dichloroethane	ND		0.50	µg/L	1	07/28/2009 17:19	45058
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	07/28/2009 17:19	45058
1,1,1-Trichloroethane	ND		0.50	µg/L	1	07/28/2009 17:19	45058
1,2-Dichloroethane	ND		0.50	µg/L	1	07/28/2009 17:19	45058
Benzene	ND		0.50	µg/L	1	07/28/2009 17:19	45058
Trichloroethene	ND		0.50	µg/L	1	07/28/2009 17:19	45058
Toluene	ND		0.50	µg/L	1	07/28/2009 17:19	45058
1,1,2-Trichloroethane	ND		0.50	µg/L	1	07/28/2009 17:19	45058
Tetrachloroethene	ND		0.50	µg/L	1	07/28/2009 17:19	45058
Chlorobenzene	ND		0.50	µg/L	1	07/28/2009 17:19	45058
Ethylbenzene	ND		0.50	µg/L	1	07/28/2009 17:19	45058
m,p-Xylene	ND		0.50	µg/L	1	07/28/2009 17:19	45058
o-Xylene	ND		0.50	µg/L	1	07/28/2009 17:19	45058
Surrogate: Dibromofluoromethane	105		88-124	%REC	1	07/28/2009 17:19	45058
Surrogate: 1,2-Dichloroethane-d4	99.7		79-115	%REC	1	07/28/2009 17:19	45058
Surrogate: Toluene-d8	102		80-114	%REC	1	07/28/2009 17:19	45058
Surrogate: Bromofluorobenzene	92.9		60-123	%REC	1	07/28/2009 17:19	45058

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: H1301
 Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT
 SW8260_25_W
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID: MB-45058	SampType: MBLK	TestCode: SW8260_25_W	Prep Date: 07/28/2009	Run ID: V5_090728B							
Client ID: MB-45058	Batch ID: 45058	Units: µg/L	Analysis Date: 07/28/2009	SeqNo: 1076788							
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-Dichloroethane	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Methyl tert-butyl ether	ND	0.50									
1,1-Dichloroethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	0.50									
Trichloroethene	ND	0.50									
Toluene	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
Tetrachloroethene	ND	0.50									
Chlorobenzene	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	0.50									
o-Xylene	ND	0.50									
Surrogate: Dibromofluoromethane	10.71	0.50	10.00	0	107	88	124	0		0	
Surrogate: 1,2-Dichloroethane-d4	9.921	0.50	10.00	0	99.2	79	115	0		0	
Surrogate: Toluene-d8	10.10	0.50	10.00	0	101	80	114	0		0	
Surrogate: Bromofluorobenzene	10.28	0.50	10.00	0	103	60	123	0		0	

0009

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc. Work Order: H1301 Project: NOW Corp. Site

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

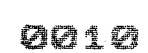
Sample ID: LCS-45058 Prep Date: 07/28/2009 Run ID: V5_090728B

Client ID: LCS-45058 Analysis Date: 07/28/2009 SeqNo: 1076789

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	8.405	0.50	10.00	0	84.1	77	120	0			
Chloroethane	8.751	0.50	10.00	0	87.5	75	135	0			
1,1-Dichloroethane	8.612	0.50	10.00	0	86.1	81	125	0			
trans-1,2-Dichloroethene	8.929	0.50	10.00	0	89.3	60	137	0			
Methyl tert-butyl ether	10.48	0.50	10.00	0	105	61	134	0			
1,1-Dichloroethane	9.490	0.50	10.00	0	94.9	82	120	0			
cis-1,2-Dichloroethene	9.320	0.50	10.00	0	93.2	84	116	0			
1,1,1-Trichloroethane	9.170	0.50	10.00	0	91.7	80	124	0			
1,2-Dichloroethane	9.410	0.50	10.00	0	94.1	86	117	0			
Benzene	9.112	0.50	10.00	0	91.1	81	121	0			
Trichloroethene	9.277	0.50	10.00	0	92.8	74	123	0			
Toluene	9.293	0.50	10.00	0	92.9	88	117	0			
1,1,2-Trichloroethane	9.443	0.50	10.00	0	94.4	83	121	0			
Tetrachloroethene	9.044	0.50	10.00	0	90.4	74	115	0			
Chlorobenzene	9.382	0.50	10.00	0	93.8	83	112	0			
Ethylbenzene	9.851	0.50	10.00	0	98.5	87	110	0			
m,p-Xylene	20.30	0.50	20.00	0	101	87	114	0			
o-Xylene	10.34	0.50	10.00	0	103	84	114	0			
Surrogate: Dibromofluoromethane	10.41	0.50	10.00	0	104	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.967	0.50	10.00	0	99.7	79	115	0			
Surrogate: Toluene-d8	10.11	0.50	10.00	0	101	80	114	0			
Surrogate: Bromofluorobenzene	10.61	0.50	10.00	0	106	60	123	0			

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

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc. Work Order: H1301 Project: NOW Corp. Site

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

Sample ID: LCSD-45058 Prep Date: 07/28/2009 Run ID: V5_090728B

Client ID: LCSD-45058 Analysis Date: 07/28/2009 SeqNo: 1076790

TestCode: SW8260_25_W Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	8.281	0.50	10.00	0	82.8	77	120	8.405	1.49	40	
Chloroethane	8.599	0.50	10.00	0	86.0	75	135	8.751	1.76	40	
1,1-Dichloroethane	8.056	0.50	10.00	0	80.6	81	125	8.612	6.66	40	S
trans-1,2-Dichloroethane	8.485	0.50	10.00	0	84.9	60	137	8.929	5.09	40	
Methyl tert-butyl ether	9.977	0.50	10.00	0	99.8	61	134	10.48	4.97	40	
1,1-Dichloroethane	9.110	0.50	10.00	0	91.1	82	120	9.490	4.09	40	
cis-1,2-Dichloroethane	8.778	0.50	10.00	0	87.8	84	116	9.320	5.98	40	
1,1,1-Trichloroethane	8.825	0.50	10.00	0	88.3	80	124	9.170	3.83	40	
1,2-Dichloroethane	9.082	0.50	10.00	0	90.8	86	117	9.410	3.54	40	
Benzene	8.721	0.50	10.00	0	87.2	81	121	9.112	4.39	40	
Trichloroethane	8.904	0.50	10.00	0	89.0	74	123	9.277	4.1	40	
Toluene	8.933	0.50	10.00	0	89.3	88	117	9.293	3.95	40	
1,1,2-Trichloroethane	8.821	0.50	10.00	0	88.2	83	121	9.443	6.81	40	
Tetrachloroethane	9.002	0.50	10.00	0	90.0	74	115	9.044	0.468	40	
Chlorobenzene	8.909	0.50	10.00	0	89.1	83	112	9.382	5.17	40	
Ethylbenzene	9.746	0.50	10.00	0	97.5	87	110	9.851	1.07	40	
m,p-Xylene	20.12	0.50	20.00	0	101	87	114	20.30	0.901	40	
o-Xylene	10.09	0.50	10.00	0	101	84	114	10.34	2.44	40	
Surrogate: Dibromofluoromethane	10.24	0.50	10.00	0	102	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	10.10	0.50	10.00	0	101	79	115	0			
Surrogate: Toluene-d8	9.934	0.50	10.00	0	99.3	80	114	0			
Surrogate: Bromofluorobenzene	10.47	0.50	10.00	0	105	60	123	0			

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

Mitkem Laboratories

Date: 21-Jul-09

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF 71609

Lab ID: H1301-01

Project: NOW Corp. Site

Collection Date: 07/16/09 12:00

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	07/21/2009 0:00	44872

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: 21-Jul-09

Client: AECOM Technical Services, Inc.

Client Sample ID: INF 71609

Lab ID: H1301-02

Project: NOW Corp. Site

Collection Date: 07/16/09 11:35

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA 1664 -- Oil & Grease, HEM							E1664
Oil & Grease, Total Recoverable	ND		5.0	mg/L	1	07/21/2009 0:00	44872

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: H1301
 Project: NOW Corp. Site

E1664
 EPA 1664 -- Oil & Grease, HEM

Sample ID: MB-44872	SampType: MBLK	TestCode: E1664	Prep Date: 7/17/2009	Run ID: MANUAL_090721A
Client ID: MB-44872	Batch ID: 44872	Units: mg/L	Analysis Date: 7/21/2009	SeqNo: 1070974
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Oil & Grease, Total Recoverable	ND	5.0	0	RPD Ref Val %RPD RPDLimit Qual

Sample ID: LCS-44872	SampType: LCS	TestCode: E1664	Prep Date: 7/17/2009	Run ID: MANUAL_090721A
Client ID: LCS-44872	Batch ID: 44872	Units: mg/L	Analysis Date: 7/21/2009	SeqNo: 1070972
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Oil & Grease, Total Recoverable	33.10	5.0	0	RPD Ref Val %RPD RPDLimit Qual

Sample ID: LCSD-44872	SampType: LCSD	TestCode: E1664	Prep Date: 7/17/2009	Run ID: MANUAL_090721A
Client ID: LCSD-44872	Batch ID: 44872	Units: mg/L	Analysis Date: 7/21/2009	SeqNo: 1070973
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Oil & Grease, Total Recoverable	35.60	5.0	0	RPD Ref Val %RPD RPDLimit Qual

0014

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: 23-Jul-09

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF 71609

Project: NOW Corp. Site

Lab ID: H1301-01

Collection Date: 07/16/09 12:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_W
Aluminum	ND		200	µg/L		1 07/22/2009 10:03	44927
Arsenic	ND		20	µg/L		1 07/22/2009 10:03	44927
Barium	67	J	200	µg/L		1 07/22/2009 10:03	44927
Chromium	ND		20	µg/L		1 07/22/2009 10:03	44927
Copper	ND		25	µg/L		1 07/22/2009 10:03	44927
Iron	ND		200	µg/L		1 07/22/2009 10:03	44927
Manganese	53	B	50	µg/L		1 07/22/2009 10:03	44927
Nickel	1.7	BJ	50	µg/L		1 07/22/2009 10:03	44927
Zinc	14	BJ	50	µg/L		1 07/22/2009 10:03	44927
SW846 7470 -- Mercury by FIA							SW7470
Mercury	ND		0.20	µg/L		1 07/22/2009 6:19	44928

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: 23-Jul-09

Client: AECOM Technical Services, Inc.

Client Sample ID: INF 71609

Project: NOW Corp. Site

Lab ID: H1301-02

Collection Date: 07/16/09 11:35

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP				SW6010_W
Aluminum	ND	200 µg/L	1 07/22/2009 10:06	44927
Arsenic	ND	20 µg/L	1 07/22/2009 10:06	44927
Barium	65 J	200 µg/L	1 07/22/2009 10:06	44927
Chromium	ND	20 µg/L	1 07/22/2009 10:06	44927
Copper	ND	25 µg/L	1 07/22/2009 10:06	44927
Iron	ND	200 µg/L	1 07/22/2009 10:06	44927
Manganese	92 B	50 µg/L	1 07/22/2009 10:06	44927
Nickel	1.5 BJ	50 µg/L	1 07/22/2009 10:06	44927
Zinc	9.9 BJ	50 µg/L	1 07/22/2009 10:06	44927
SW846 7470 -- Mercury by FIA				SW7470
Mercury	ND	0.20 µg/L	1 07/22/2009 6:21	44928

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. **ANALYTICAL QC SUMMARY REPORT**
Work Order: HI1301 **SW6010_W**
Project: NOW Corp. Site **SW846 6010 -- Metals by ICP**

Sample ID: MB-44927 Prep Date: 7/21/2009 Run ID: OPTIMA3_090722A
 Client ID: MB-44927 Analysis Date: 7/22/2009 SeqNo: 1073119

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	200									
Arsenic	ND	20									J
Barium	ND	200									J
Chromium	ND	20									J
Copper	ND	30									J
Iron	ND	200									
Manganese	2.903	50									
Nickel	13.99	50									
Zinc	21.97	50									

Sample ID: LCS-44927 Prep Date: 7/21/2009 Run ID: OPTIMA3_090722A
 Client ID: LCS-44927 Analysis Date: 7/22/2009 SeqNo: 1073120

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	8801	200	9100	0	96.7	80	120	0			
Arsenic	481.4	20	455.0	0	106	80	120	0			
Barium	9432	200	9100	0	104	80	120	0			
Chromium	923.8	20	910.0	0	102	80	120	0			
Copper	1121	30	1130	0	99.2	80	120	0			
Iron	4687	200	4550	0	103	80	120	0			
Manganese	2334	50	2270	0	103	80	120	0			B
Nickel	2309	50	2270	0	102	80	120	0			B
Zinc	2307	50	2270	0	102	80	120	0			B

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc. Work Order: H1301 Project: NOW Corp. Site

SW6010_W SW846 6010 -- Metals by ICP

Sample ID: LCSD-44927 SampType: LCSD TestCode: SW6010_W Run ID: OPTIMA3_090722A

Client ID: LCSD-44927 Batch ID: 44927 Units: µg/L Analysis Date: 7/22/2009 SeqNo: 1073121

Prep Date: 7/21/2009 Analysis Date: 7/22/2009

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	8713	200	9100	0	95.7	80	120	8801	1.0	20	
Arsenic	480.5	20	455.0	0	106	80	120	481.4	0.193	20	
Barium	9594	200	9100	0	105	80	120	9432	1.71	20	
Chromium	920.7	20	910.0	0	101	80	120	923.8	0.344	20	
Copper	1122	30	1130	0	99.3	80	120	1121	0.0748	20	
Iron	4635	200	4550	0	102	80	120	4687	1.11	20	
Manganese	2364	50	2270	0	104	80	120	2334	1.28	20	B
Nickel	2288	50	2270	0	101	80	120	2309	0.915	20	B
Zinc	2254	50	2270	0	99.3	80	120	2307	2.32	20	B

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	1000	0	0	0	0	0	0	0	10	
Arsenic	ND	100	0	0	0	0	0	0	0	10	
Barium	67.50	1000	0	0	0	0	0	65.14	3.55	10	J
Chromium	ND	100	0	0	0	0	0	0	0	10	
Copper	ND	130	0	0	0	0	0	0	0	10	
Iron	ND	1000	0	0	0	0	0	0	0	10	
Manganese	96.57	250	0	0	0	0	0	91.76	5.11	10	BJ
Nickel	ND	250	0	0	0	0	0	1.530	0	10	
Zinc	ND	250	0	0	0	0	0	9.855	0	10	

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

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: H1301

Project: NOW Corp. Site

SW7470

SW846 7470 -- Mercury by FIA

Sample ID: MB-44928	SampType: MBLK	TestCode: SW7470	Prep Date: 7/21/2009	Run ID: FIMS1_090722A
Client ID: MB-44928	Batch ID: 44928	Units: µg/L	Analysis Date: 7/22/2009	SeqNo: 1073137
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Mercury	ND	0.20	0	102 80 120
			SPK value	RPD Ref Val %RPD RPDLimit Qual

Sample ID: LCS-44928	SampType: LCS	TestCode: SW7470	Prep Date: 7/21/2009	Run ID: FIMS1_090722A
Client ID: LCS-44928	Batch ID: 44928	Units: µg/L	Analysis Date: 7/22/2009	SeqNo: 1073138
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Mercury	4.647	0.20	0	102 80 120
			SPK value	RPD Ref Val %RPD RPDLimit Qual

Sample ID: LCSD-44928	SampType: LCSD	TestCode: SW7470	Prep Date: 7/21/2009	Run ID: FIMS1_090722A
Client ID: LCSD-44928	Batch ID: 44928	Units: µg/L	Analysis Date: 7/22/2009	SeqNo: 1073139
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Mercury	4.753	0.20	0	104 80 120
			SPK value	RPD Ref Val %RPD RPDLimit Qual

0019

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

Mitkem Laboratories

Date: 23-Jul-09

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF 71609

Lab ID: H1301-01

Project: NOW Corp. Site

Collection Date: 07/16/09 12:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							SM2540_TDS
Total Dissolved Solids	260		10	mg/L		1 07/20/2009 16:32	44914
SM 2540D -- TOTAL SUSPENDED SOLIDS							SM2540_TSS
Total Suspended Solids	ND		10	mg/L		1 07/20/2009 16:33	44915
SW846 9012 -- Total Cyanide							SW9012_W
Cyanide	ND		10	µg/L		1 07/22/2009 19:24	44913

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: 23-Jul-09

Client: AECOM Technical Services, Inc.

Client Sample ID: INF 71609

Lab ID: H1301-02

Project: NOW Corp. Site

Collection Date: 07/16/09 11:35

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							SM2540_TDS
Total Dissolved Solids	260		10	mg/L		1 07/20/2009 16:33	44914
SM 2540D -- TOTAL SUSPENDED SOLIDS							SM2540_TSS
Total Suspended Solids	ND		10	mg/L		1 07/20/2009 16:34	44915
SW846 9012 -- Total Cyanide							SW9012_W
Cyanide	ND		10	µg/L		1 07/22/2009 19:26	44913

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

0021

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.
Work Order: H1301
Project: NOW Corp. Site

SM2540_TDS
SM 2540C -- TOTAL DISSOLVED SOLIDS

Sample ID: MB-44914	SampType: MBLK	TestCode: SM2540_TDS	Prep Date: 7/20/2009	Run ID: MANUAL_090720A			
Client ID: MB-44914	Batch ID: 44914	Units: mg/L	Analysis Date: 7/20/2009	SeqNo: 1070994			
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Total Dissolved Solids	ND	10	0	100	80	120	0

Sample ID: LCS-44914	SampType: LCS	TestCode: SM2540_TDS	Prep Date: 7/20/2009	Run ID: MANUAL_090720A			
Client ID: LCS-44914	Batch ID: 44914	Units: mg/L	Analysis Date: 7/20/2009	SeqNo: 1070995			
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Total Dissolved Solids	524.0	10	0	100	80	120	0

Sample ID: H1301-02CDUP	SampType: DUP	TestCode: SM2540_TDS	Prep Date: 7/20/2009	Run ID: MANUAL_090720A			
Client ID: INF 71609	Batch ID: 44914	Units: mg/L	Analysis Date: 7/20/2009	SeqNo: 1070998			
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Total Dissolved Solids	256.0	10	0	0	0	0	259.0 1.17 20

0022

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: H1301

Project: NOW Corp. Site

SM2540_TSS

SM 2540D -- TOTAL SUSPENDED SOLIDS

Sample ID: MB-44915	SampType: MBLK	TestCode: SM2540_TSS	Prep Date: 7/20/2009	Run ID: MANUAL_090720B						
Client ID: MB-44915	Batch ID: 44915	Units: mg/L	Analysis Date: 7/20/2009	SeqNo: 1071007						
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	10								

Sample ID: LCS-44915	SampType: LCS	TestCode: SM2540_TSS	Prep Date: 7/20/2009	Run ID: MANUAL_090720B						
Client ID: LCS-44915	Batch ID: 44915	Units: mg/L	Analysis Date: 7/20/2009	SeqNo: 1071008						
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	57.00	10	0	85.6	80	120	0			

Sample ID: H1301-02CDUP	SampType: DUP	TestCode: SM2540_TSS	Prep Date: 7/20/2009	Run ID: MANUAL_090720B						
Client ID: INF 71609	Batch ID: 44915	Units: mg/L	Analysis Date: 7/20/2009	SeqNo: 1071012						
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	10	0	0	0	0	0	0	0	20

0023

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.
 Work Order: H1301
 Project: NOW Corp. Site

SW9012_W
 SW846 9012 -- Total Cyanide

Sample ID: MB-44913	SampType: MBLK	TestCode: SW9012_W	Prep Date: 7/20/2009	Run ID: LACHAT1_090722A	
Client ID: MB-44913	Batch ID: 44913	Units: µg/L	Analysis Date: 7/22/2009	SeqNo: 1073813	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit
Cyanide	ND	20	0	106	80 120
			SPK value	%RPD	RPDLimit
			100.0	0	0

Sample ID: LCS-44913	SampType: LCS	TestCode: SW9012_W	Prep Date: 7/20/2009	Run ID: LACHAT1_090722A	
Client ID: LCS-44913	Batch ID: 44913	Units: µg/L	Analysis Date: 7/22/2009	SeqNo: 1073814	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit
Cyanide	105.9	20	0	106	80 120
			SPK value	%RPD	RPDLimit
			100.0	0	0

Sample ID: H1301-02EDUP	SampType: DUP	TestCode: SW9012_W	Prep Date: 7/20/2009	Run ID: LACHAT1_090722A	
Client ID: INF 71609	Batch ID: 44913	Units: µg/L	Analysis Date: 7/22/2009	SeqNo: 1073818	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit
Cyanide	ND	10	0	0	0 20
			SPK value	%RPD	RPDLimit
			0	0	0

Sample ID: H1301-02EMS	SampType: MS	TestCode: SW9012_W	Prep Date: 7/20/2009	Run ID: LACHAT1_090722A	
Client ID: INF 71609	Batch ID: 44913	Units: µg/L	Analysis Date: 7/22/2009	SeqNo: 1073819	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit
Cyanide	104.6	10	0	105	75 125
			SPK value	%RPD	RPDLimit
			100.0	0	0

0024

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

20/Jul/09 8:24

WorkOrder: H1301

Client ID: EARTH_NY
 Project: NOW Corp. Site
 Location:
 Comments: N/A

Case: HC Due: 08/04/09 Report Level: LEVEL 2
 SDG: Fax Due: EDD:
 PO: 94017.02

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	HS	HT	MS	SEL	Storage
H1301-01A	EFF 71609	07/16/2009 12:00	07/17/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H1301-01B	EFF 71609	07/16/2009 12:00	07/17/2009	Aqueous	SW6010_W	See SEL list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
					SW7470	See SEL list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M5
H1301-01C	EFF 71609	07/16/2009 12:00	07/17/2009	Aqueous	SM2540_TDS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B4
					SM2540_TSS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B4
H1301-01D	EFF 71609	07/16/2009 12:00	07/17/2009	Aqueous	E1664		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B4
H1301-01E	EFF 71609	07/16/2009 12:00	07/17/2009	Aqueous	SW9012_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	B4
H1301-02A	INF 71609	07/16/2009 11:35	07/17/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H1301-02B	INF 71609	07/16/2009 11:35	07/17/2009	Aqueous	SW6010_W	See SEL list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
					SW7470	See SEL list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M5
H1301-02C	INF 71609	07/16/2009 11:35	07/17/2009	Aqueous	SM2540_TDS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B4
					SM2540_TSS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B4
H1301-02D	INF 71609	07/16/2009 11:35	07/17/2009	Aqueous	E1664		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B4
H1301-02E	INF 71609	07/16/2009 11:35	07/17/2009	Aqueous	SW9012_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	B4
H1301-03A	TW-1	07/16/2009 11:40	07/17/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H1301-04A	TW-2A	07/16/2009 11:45	07/17/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H1301-05A	TW-3	07/16/2009 11:48	07/17/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA

HS = Sample logged in but all tests have been placed on hold
 HT = Sample/Test logged in but test has been placed on hold

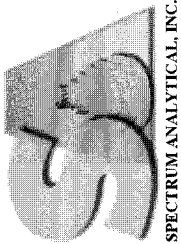
Client ID: EARTH_NY
Project: NOW Corp. Site
Location:
Comments: N/A

Case: HC Due: 08/04/09 Report Level: LEVEL 2
SDG: Fax Due: EDD:
PO: 94017.02

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	HS	HT	MS	SEL	Storage
H1301-06A	TRIP BLANK	07/16/2009 0:00	07/17/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		VOA

0020

HS = Sample logged in but all tests have been placed on hold
HT = Sample/Test logged in but test 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: Steve Choinier
AECON Environmental
40 British American Blvd
Latham, NY 12110
 Project Mgr.: Steve Choinier
 Telephone #: _____

Invoice To: Same

 P.O. No.: _____ RQN: _____

Project No.: 94017.02
 Site Name: New Conf
 Location: Stattsburg State: NY
 Sampler(s): RKV + REG

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:

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:

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

Analyses:

Metals *
 8260
 O + G
 TDS/TSS
 Cyanide

- 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
H1301-01	EFF 7/16/09 ^{7/16/09}	7/16/09	12:00	G	GW
02	INF 7/16/09 ^{7/16/09}		11:35		
03	TW-1		11:40		
04	TW-2A		11:45		
05	TW-3		11:48		
H1301-06	Trip Blank	7/16/09			

* AL, AS, BA, CR, CU, FE, MN, Hg, Zn, N

EDD Format _____
 E-mail to _____

Relinquished by: Steve Choinier

Received by: Agnes R. Huntley

Date: 7/16/09 Time: 15:15
7/17/09 9:00

Condition upon receipt: Iced Ambient °C 5

MITKEM LABORATORIES
Sample Condition Form

Received By: <u>VEG</u>	Reviewed By: <u>SN</u>	Date: <u>7/17/09</u>	MITKEM Workorder #: <u>H1301</u>					
Client Project: <u>NOW CORP</u>		Client: <u>EarthNY</u>						
	Lab Sample ID	Preservation (pH)					VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
		HNO ₃	H ₂ SO ₄	HCl	NaOH	H ₃ PO ₄		
1) Cooler Sealed <input checked="" type="radio"/> Yes / No	<u>H1301 01</u>	<u><2</u>		<u><2</u>	<u>>12</u>		<u>H</u>	
	<u>↓</u>	<u><2</u>		<u><2</u>	<u>>12</u>		<u>↓</u>	
2) Custody Seal(s) <input checked="" type="radio"/> Present / Absent	<u>02</u>							
<input checked="" type="radio"/> Coolers / Bottles	<u>03</u>							
<input checked="" type="radio"/> Intact / Broken	<u>↓</u>						<u>↓</u>	
	<u>H1301 06</u>						<u>H</u>	
3) Custody Seal Number(s) <u>NA</u>								
4) Chain-of-Custody <input checked="" type="radio"/> Present / Absent								
5) Cooler Temperature <u>5°C</u>								
Coolant Condition <u>ICE</u>								
6) Airbill(s) <input checked="" type="radio"/> Present / Absent								
Airbill Number(s) <u>FedEx</u>								
<u>8690 7903 8795</u>								
7) Sample Bottles <input checked="" type="radio"/> Intact / Broken / Leaking								
8) Date Received <u>7/17/09</u>								
9) Time Received <u>9:00</u>								
Preservative Name/Lot No:								

VEG 7/17/09

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