AECOM

Operation, Maintenance and Monitoring Report
May 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

July 2010

AECOM

July 16, 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: "May" 2010

Dear Mr. Hoffman:

This monthly summary report describes the operation, monitoring and maintenance (OM&M) of the remedial system at the NOW Corporation site in the Town of Clinton, New York, for a 34-day period **(April 20 – May 27, 2010)** and presents the results of the annual groundwater sampling event.

With the exceptions noted below, if any, the P&T system was online and operational throughout the reporting period. Approximately 919,000 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 27,000 gallons per day (gpd), lower than the average during the last reporting period (31,000 gpd).

As of the last day of the reporting period, a total of 78,907,000 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 May 24, 2010. **The effluent limitation was not exceeded for any analytes except for oil and grease.** Table 2 presents selected operational data recorded on the sampling date. Table 3 presents the water level measurements taken on May 24, 2010. Table 4 summarizes groundwater analytical results from the monitoring well sampling event conducted on May 27, 2010. A copy of each analytical laboratory report is attached.

AECOM made three site visits during the period to conduct the required system inspection, perform scheduled and/or unscheduled maintenance, and to collect water samples. The April 20 service visit was described in the previous report. Details for the current period follow:

April 22 – Responded to an alarm condition. The system had shut down due to low air stripper blower pressure. The diffusers in the air stripper stack were cleaned with muriatic acid, the flow meter was cleaned and the system was restarted. Total system downtime was less than 24 hours.

May 24 - Monthly system inspection and influent/effluent water sampling. Performed quarterly water level measurements at the on-site monitoring wells.

May 27 – Conducted the annual monitoring well sampling event. Samples were analyzed for volatile organic compounds (VOCs) via EPA Method 8260.

Historical groundwater analytical results from 17 monitoring wells and current results from eight wells are presented in Table 4. Monitoring well locations are shown on Figure 1. Six wells exhibit VOC impacts at levels exceeding state groundwater standards (MW-1, 6S, 6D, 7S, 7D and 12D). The dominant contaminant in four of these wells is trichloroethene (TCE); 1,1-dichloroethane (1,1-DCA) dominates in MW-6D and MW-

12D. No analytes were detected above standards in two of the wells sampled during this period (MW-4S and MW-12S).

During the last five sampling events, total VOCs (tVOCs) at **MW-1** have ranged between 97 µg/L and 114 µg/L. The highest tVOC concentration in this well was detected in 1994 at 446 µg/L during the first second round of sampling.

Total concentrations of VOCs observed in **MW-6S** have decreased since the first round of annual sampling in 1993 when tVOCs were detected at 1,408 µg/L. Current sample results indicated a tVOC concentration of 114.9 µg/L, which is the highest concentration reported in this well since August 2000. In August 1999, this well was ND for all reported analytes.

Since the 1994 event, when the tVOC concentration was 312.7 ug/L, **MW-6D** has shown very stable results, varying between only 20 ug/L and 58 ug/L in 10 sampling events.

During the current sampling event, **MW-7S** exhibited the highest tVOC concentration since 1998 at 312.65 µg/L. In 1998, tVOCs in MW-7S were detected at 342 µg/L.

MW-7D results from the current event were 173.4 µg/L of tVOCs, as compared to a reported high of 493 µg/L detected during the 2000 sampling event.

MW-12D reported a tVOC concentration of 34 µg/L, 16 µg/L and 21 µg/L in 2008, 2009 and 2010, respectively, with exceedances of only the 1,1-DCA standard.

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: May 24, 2010
NOW Corporation Site
Town of Clinton, New York

Analytes/ Parameters	Total Influent	Effluent	Recovery Wells			Effluent Limitations	(units)
			TW-1	TW-2A	TW-3		
Quantity treated, per day		27,026				Monitor	gpd
pH	6.8	7.1				6.5 to 8.5	standard units
Oil and Grease	<5.0	**67.0**	NA	NA	NA	15	mg/L
Total Cyanide	<10	<10	NA	NA	NA	10	ug/L
TDS	**350**	**350**	NA	NA	NA	1000	mg/L
TSS	<10	<10	NA	NA	NA	50	mg/L
Aluminum, Total	<200	**12 BJ**	NA	NA	NA	2000	ug/L
Arsenic, Total	<20	<20	NA	NA	NA	50	ug/L
Barium, Total	**66 J**	**67 J**	NA	NA	NA	2000	ug/L
Chromium	<20	<20	NA	NA	NA	100	ug/L
Copper	<25	**6.9 BJ**	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	**110**	**68**	NA	NA	NA	600	ug/L
Nickel	**1.3 J**	**2.6 J**	NA	NA	NA	200	ug/L
Zinc	**17 BJ**	**36 BJ**	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	**230**	<0.50	**3.1**	**460**	**3.0**	5	ug/L
1,1,2-Trichloroethane	<8	<0.50	<2.5	<10	<0.50	1.2	ug/L
1,1-Dichloroethane	**96**	<0.50	**56**	**170**	**11**	5	ug/L
1,1-Dichloroethene	**12**	<0.50	**11**	**19**	**1.2**	0.5	ug/L
1,2-Dichloroethane	<8	<0.50	<2.5	<10	<0.50	1.6	ug/L
Benzene	<8	<0.50	<2.5	<10	<0.50	0.8	ug/L
Chlorobenzene	<8	<0.50	<2.5	<10	<0.50	5	ug/L
Chloroethane	<8	<0.50	<2.5	<10	<0.50	5	ug/L
cis-1,2-Dichloroethene	**8.9**	<0.50	**6.5**	**18**	**0.21 J**	5	ug/L
Ethylbenzene	<8	<0.50	<2.5	<10	<0.50	5	ug/L
Methyl tert-butyl ether	<8	<0.50	<2.5	<10	<0.50	5	ug/L
o-Xylene	<8	<0.50	<2.5	<10	<0.50	5	ug/L
p&m-Xylene	<8	<0.50	<2.5	<10	<0.50	10	ug/L
Tetrachloroethene	<8	<0.50	<2.5	<10	<0.50	1.4	ug/L
Toluene	<8	<0.50	<2.5	<10	<0.50	5	ug/L
trans-1,2-Dichloroethene	<8	<0.50	<2.5	<10	<0.50	5	ug/L
Trichloroethene	**220**	<0.50	**74**	**400**	**13**	5	ug/L
Vinyl Chloride	<8	<0.50	<2.5	<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 May 2010 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		5/24/10	Units
TW-1			
	Pumping Rate	3	GPM
	Water Level Above Transducer	33.64	feet
	Flow Meter Reading	5,599,800	gallons
	Pump Pressure	75	psi
TW-2A			
	Pumping Rate	14	GPM
	Water Level Above Transducer	47.66	feet
	Flow Meter Reading	17,291,500	gallons
	Pump Pressure	24	psi
TW-3			
	Pumping Rate	5	GPM
	Water Level Above Transducer	11.08	feet
	Flow Meter Reading	8,054,600	gallons
	Pump Pressure	52	psi
Air Stripper			
	Stripper Blower Pressure	19	inches H_2O
	Air Temperature in Stripper	50	°F
	Pressure Gauge - Left Leg	1.5	inches H_2O
	Pressure Gauge - Right Leg	0.5	inches H_2O
Effluent Flow			
	Effluent Flow this period (calculated)	918,900	gallons
	Total Effluent Flow (calculated)	78,907,100	gallons

Table 3
May 2010 Groundwater Levels

NOW Corporation Site
Town of Clinton, New York

Well ID	MP Elevation	5/24/10 Depth to Water (Ft below MP)	5/24/10 GW Elevation
MW-1	289.50	14.78	274.72
MW-2	332.51	30.54	301.97
MW-3	312.83	31.89	280.94
MW-3S	312.51	26.89	285.62
MW-4	298.29	24.20	274.09
MW-4D	298.16	24.00	274.16
MW-5	285.48	19.48	266.00
MW-6S	287.90	12.30	275.60
MW-6D	287.25	12.36	274.89
MW-7S	292.12	26.85	265.27
MW-7D	292.54	50.96	241.58
OW-1	307.75	50.00	257.75
OW-2	305.96	68.50	237.46
OW-6	294.81	6.45	288.36
IW-1	312.46	36.10	276.36
IW-2	306.56	39.92	266.64

Note: N/A indicates data are not available.
MP denotes measuring point.

LEGEND:

- RECOVERY WELL
- MONITORING WELL
- INJECTION WELL
- VAPOR EXTRACTION WELL

N

0' 50' 100'

SCALE

MW-11
MW-8
MW-5
NYS ROUTE 9G
MW-9
MW-4S
MW-4D
MW-1
MW-6D
MW-6S
TW-3
MANUFACTURING &
WAREHOUSE FACILITY
VE-2
0W-4
0W-1
0W-5
0W-3
TW-1
0W-2
IW-2
MW-7D
VE-1
MW-7S
TW-2A
0W-6
SLO
TW-2
IW-1
MW-3D
MW-3S
MW-2
MW-12S
MW-12D
MW-10

FIGURE 1

NYSDEC
NOW CORPORATION
Town of Clinton - Dutchess County, N.Y.

SITE MAP

AECOM

Date: JULY 2009 *Project No: 94017*

FILE NAME: 94017-BASE.dwg

Table 4
Groundwater Analytical Data Summary
NOW Corporation
Site 3-14-008
Town of Clinton, New York

	MW-1												MW-2									
Analytes	**4/27/93**	**1/12/94**	**5/8/98**	**8/1/99**	**8/18/00**	**8/27/03**	**8/24/04**	**8/25/05**	**4/24/07**	**5/28/08**	**4/27/09**	**5/27/10**	**4/27/93**	**1/12/94**	**5/8/98**	**8/1/99**	**8/18/00**	**8/27/03**	**8/24/04**	**8/25/05**	**4/24/07**	**5/29/08**
1,1,1-Trichloroethane	**75**	**150**	**57**	**33**	**40**	**24**	**19**	**8.3**	**11**	**9**	**8.1**	**8.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**50**	**50**	**30**	**66**	**31**	**17**	**22**	**25**	**13**	**16**	**10**	**16**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	**6**	**6**	**5**	ND	ND	**3**	**4.5**	**6.1**	**2.9**	**2.8**	**1.4 J**	**2.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	**8**	**6**	ND	ND	ND	**1.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	**27**	**32**	**20**	ND	**29**	**15**	**20**	**18**	**13**	**14**	**12**	**12**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3**	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**2**	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3**	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	**0.22 J**	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	**88**	**200**	**100**	**130**	**120**	**80**	**79**	**56**	**56 D**	**67**	**68**	**74 D**	ND	**2**	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	*N/A*	**2**	**1**	ND	ND	ND	**1**	**1.1**	**1.4**	ND	ND	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs	256	446	213	229	220	140.3	145.5	114.5	97.3	109.02	99.5	113.4	6	2	0	0	0	0	0	0	0	0

Notes:
1) Detected concentrations are shown in **bold typeface**, in units of ug/L.
2) ND = Not Detected
3) *N/A* = Not Analyzed (either well was effectively dry on date shown, or indicated analyte was not reported)
4) * = Duplicate sample result.
5) MW-6S, 7S & 7D were dry on 8/25/05. They were sampled on the date shown at the top of the columns.
6) D = denotes analytical result for a diluted sample.
7) J = denotes analytical result is an estimate.

Table 4
Groundwater Analytical Data Summary
NOW Corporation
Site 3-14-008
Town of Clinton, New York

	MW-3D										MW-3S									
Analytes	**4/27/93**	**1/12/94**	**5/8/98**	**8/1/99**	**8/18/00**	**8/27/03**	**8/24/04**	**8/25/05**	**4/24/07**	**5/28/08**	**1/12/94**	**5/8/98**	**5/8/98**	**8/1/99**	**8/18/00**	**8/27/03**	**8/24/04**	**8/25/05**	**4/24/07**	**5/28/08**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**1**	*N/A*	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	**0.7**	**3**	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs	1.7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
1) Detected concentrations are shown in **bold typeface**, in units of ug/L.
2) ND = Not Detected
3) *N/A* = Not Analyzed (either well was effectively dry on date shown, or indicated analyte was not reported)
4) * = Duplicate sample result.
5) MW-6S, 7S & 7D were dry on 8/25/05. They were sampled on the date shown at the top of the columns.
6) D = denotes analytical result for a diluted sample.
7) J = denotes analytical result is an estimate.

Table 4
Groundwater Analytical Data Summary
NOW Corporation
Site 3-14-008
Town of Clinton, New York

	MW-4S												MW-4D								
Analytes	**4/27/93**	**1/12/94**	**5/8/98**	**8/1/99**	**8/18/00**	**8/27/03**	**8/24/04**	**8/25/05**	**4/24/07**	**5/29/08**	**4/27/09**	**5/27/10**	**1/12/94**	**5/8/98**	**8/1/99**	**8/18/00**	**8/27/03**	**8/24/04**	**8/25/05**	**4/24/07**	**5/29/08**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	**27**	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	**4**	**5**	ND	ND	**2.2**	**1.6**	**1**	**2.3**	**2.5**	**2.5/2.4***	**2.0**	ND	ND	**68**	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	**0.8**	**0.6**	**2.5**	ND	**1.5/1.4***	**1.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**1**	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.31 J**/ND*	ND	ND	ND	**100**	ND	ND	ND	ND	ND	ND
Vinyl Chloride	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs	1	4	5	0	0	2.2	2.4	1.6	4.8	2.5	4.05	3.4	0	0	195	0	0	0	0	0	0

Notes:
1) Detected concentrations are shown in **bold typeface**, in units of ug/L.
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4) * = Duplicate sample result.
5) MW-6S, 7S & 7D were dry on 8/25/05. They were sampled on the date shown at the top of the columns.
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Table 4
Groundwater Analytical Data Summary
NOW Corporation
Site 3-14-008
Town of Clinton, New York

	MW-5										MW-6S											
Analytes	**4/27/93**	**1/12/94**	**5/8/98**	**8/1/99**	**8/18/00**	**8/27/03**	**8/24/04**	**8/25/05**	**4/24/07**	**5/29/08**	**4/27/93**	**1/12/94**	**5/8/98**	**8/1/99**	**8/18/00**	**8/27/03**	**8/24/04**	**10/19/05**	**4/24/07**	**5/28/08**	**4/27/09**	**5/27/10**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**710**	**510**	**23**	ND	**45**	**2.5**	**7.6**	**12**	**4**	**3.7**	**2.3**	**11**
1,1,2-Trichloroethane	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.38 J**	**57**	**39**	**3**	ND	**14**	ND	**2.7**	**4.3**	**1.3**	**1.9**	**0.93**	**18**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**11**	**3**	ND	ND	ND	ND	**1.3**	**1.1**	**0.38 J**	**0.91**	**0.33 J**	**2.8**
1,2-Dichloroethane	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**17**	**12**	**2**	ND	ND	ND	**0.9**	**2.2**	**0.69**	**0.49 J**	**0.38 J**	**1.1**
Ethylbenzene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	**2**	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**2**	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	**2**	ND	ND	ND	ND	ND	ND	ND	ND	**610**	**460**	**43**	ND	**160**	**25**	**47**	**57**	**21**	**34**	**22**	**82 D**
Vinyl Chloride	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs	4	2	0	0	0	0	0	0	0	0.38	1408	1024	71	0	219	27.5	59.5	76.6	27.37	41	25.94	114.9

Notes:
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4) * = Duplicate sample result.
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Table 4
Groundwater Analytical Data Summary
NOW Corporation
Site 3-14-008
Town of Clinton, New York

	MW-6D											MW-7S								
Analytes	**1/12/94**	**5/8/98**	**8/1/99**	**8/18/00**	**8/27/03**	**8/24/04**	**8/25/05**	**4/24/07**	**5/28/08**	**4/27/09**	**5/27/10**	**5/8/98**	**8/1/99**	**8/27/03**	**8/24/04**	**10/19/05**	**4/24/07**	**5/29/08**	**4/27/09**	**5/27/10**
1,1,1-Trichloroethane	**160**	**13**	ND	**7**	**5.8**	**3**	**1.2**	**4.1**	**1.8**	**1.1**	**2.3**	**34**	*N/A*	**8.5/8.6***	**13**	**12**	**5.4**	**2.9**	ND	**12**
1,1,2-Trichloroethane	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND/ND*	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**140**	**20**	**52**	ND	**16**	**26**	**26**	**17**	**18**	**11**	**13**	**11**	*N/A*	**3.2/3***	**6.4**	**2.4**	**1.7**	**2.2**	ND	**7.3**
1,1-Dichloroethene	**1**	ND	ND	**30**	**1.1**	**1.9**	**1.6**	**1.7**	**1.6**	**0.64**	**1.4**	ND	*N/A*	ND/ND*	**0.9**	ND	ND	**0.51**	ND	**0.95**
1,2-Dichloroethane	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND/ND*	ND	ND	ND	ND	ND	ND
Benzene	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND/ND*	ND	ND	ND	ND	ND	ND
Chlorobenzene	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND/ND*	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	**0.6**	**0.8**	**3.4**	ND	**0.94**	ND	ND	*N/A*	ND/ND*	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	**0.7**	**2**	ND	ND	**1.5**	**1.4**	**1.2**	**1.2**	**1.1**	**0.95**	**1.0**	**17**	*N/A*	**20/20***	**16**	**9**	**5.9**	**9.7**	**5.6**	**31**
Ethylbenzene	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND/ND*	ND	ND	ND	ND	ND	ND
m&p-Xylene	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND/ND*	ND	ND	ND	ND	ND	ND
o-Xylene	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND/ND*	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND/ND*	ND	ND	ND	**0.26J**	ND	ND
Toluene	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND/ND*	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND/ND*	ND	ND	ND	ND	ND	ND
Trichloroethene	**11**	**13**	**6**	**8**	**11**	**7.4**	**6.6**	**8.2**	**7.1**	**5.8**	**7.5**	**280**	*N/A*	**160/160***	**190**	**160**	**91 D**	**230**	**82**	**260 D**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND/ND*	ND	ND	ND	ND	ND	**1.4**
TOTAL VOCs	312.7	48	58	45	35.4	40.3	37.4	35.6	29.6	20.43	25.2	342	0	191.7	226.3	183.4	104	245.57	87.6	312.65

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Table 4
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NOW Corporation
Site 3-14-008
Town of Clinton, New York

	MW-7D										MW-8									
Analytes	**5/8/98**	**8/1/99**	**8/18/00**	**8/27/03**	**8/24/04**	**10/19/05**	**4/24/07**	**5/29/08**	**4/27/09**	**5/27/10**	**4/27/93**	**1/12/94**	**5/8/98**	**8/1/99**	**8/18/00**	**8/27/03**	**8/24/04**	**8/25/05**	**4/24/07**	**5/28/08**
1,1,1-Trichloroethane	**15**	*N/A*	**85**	**12**	**21/22***	**5.6**	**2**	**22/22***	ND	**5.4/5.3***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	*N/A*	ND	ND	ND/ND*	ND	ND	ND/ND*	ND	ND/ND*	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**34**	*N/A*	ND	**17**	**21/21***	**7.5**	**2.5**	**38/37***	ND	**5.9/5.7***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	**4**	*N/A*	**28**	**2.4**	**4.7/4.7***	**1.3**	**0.73**	**4.6/5.2***	ND	**0.93/1.2***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	*N/A*	ND	ND	ND/ND*	ND	ND	ND/ND*	ND	ND/ND*	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	*N/A*	ND	ND	ND/ND*	ND	ND	ND/ND*	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	*N/A*	ND	ND	ND/ND*	ND	ND	ND/ND*	ND	ND/ND*	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	*N/A*	ND	ND	ND/ND*	ND	ND	ND/ND*	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	**8**	*N/A*	ND	**8.1**	**11/11***	**6.3**	**3.5**	**10/9.7***	**4.1 J**	**6.4/5.9***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	*N/A*	ND	ND	ND/ND*	ND	ND	ND/ND*	ND	ND/ND*	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	ND	*N/A*	ND	ND	ND/ND*	ND	ND	ND/ND*	ND	ND/ND*	**0.8**	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ND	*N/A*	ND	ND	ND/ND*	ND	ND	ND/ND*	ND	ND/ND*	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	*N/A*	ND	ND	ND/ND*	ND	ND	**0.25J/0.22J**	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	*N/A*	ND	ND	ND/ND*	ND	ND	ND/ND*	ND	ND/ND*	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	*N/A*	ND	ND	ND/ND*	ND	ND	ND/ND*	ND	ND/ND*	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	**340**	*N/A*	**380**	**190**	**250/260***	**150**	**110 D**	**220/220***	**140**	**150/160 D***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	*N/A*	ND	ND	ND/ND*	ND	ND	ND/ND*	ND	ND/ND*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs	401	0	493	229.5	312.7	170.7	118.73	294.49	144.1	173.37	0.8	0	0	0	0	0	0	0	0	0

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Table 4
Groundwater Analytical Data Summary
NOW Corporation
Site 3-14-008
Town of Clinton, New York

	MW-9										MW-10									
Analytes	**4/27/93**	**1/12/94**	**5/8/98**	**8/1/99**	**8/18/00**	**8/27/03**	**8/24/04**	**8/25/05**	**4/24/07**	**5/29/08**	**4/27/93**	**1/12/94**	**5/8/98**	**8/1/99**	**8/18/00**	**8/27/03**	**8/24/04**	**8/25/05**	**4/24/07**	**5/29/08**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2**	**2**	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**17**	**9**	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	**1**	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**2**	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	**1**	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND	*N/A*	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs	3	0	0	0	0	0	0	0	0	0	20	11	0	0	0	0	0	0	0	0

Notes:
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Table 4
Groundwater Analytical Data Summary
NOW Corporation
Site 3-14-008
Town of Clinton, New York

	MW-11									MW-12S			MW-12D		
Analytes	**1/12/94**	**5/8/98**	**8/1/99**	**8/18/00**	**8/27/03**	**8/24/04**	**8/25/05**	**4/24/07**	**5/28/08**	**5/29/08**	**4/27/09**	**5/27/10**	**5/29/08**	**4/27/09**	**5/27/10**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	**0.24 J**	ND	ND
1,1,2-Trichloroethane	*N/A*	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	**25**	**11**	**13**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	**2**	**1.5**	**1.8**
1,2-Dichloroethane	*N/A*	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	*N/A*	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	*N/A*	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	**4.6**	**2**	**4.5**
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	**0.25 J**	**0.25 J**	**0.30 J**
Ethylbenzene	*N/A*	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	*N/A*	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	*N/A*	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	*N/A*	ND	ND	ND	ND	ND	ND/ND*	ND	ND	**0.31 J**	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	*N/A*	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	**1.6**	**1.7**	**1.5**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs	0	0	0	0	0	0	0	0	0	0.31	0	0	33.69	16.45	21.1

Notes:
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Report Date:
10-Jun-10 10:44

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

Laboratory Report

AECOM Technical Services, Inc.
40 British American Boulevard
Latham, NY 12110

Work Order: J1081
Project : NOW Corp. Site
Project #:

Attn: Stephen Choiniere

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
J1081-01	EFF-052410	Aqueous	24-May-10 11:20	25-May-10 09:15
J1081-02	INF-052410	Aqueous	24-May-10 11:58	25-May-10 09:15
J1081-03	TW-1	Aqueous	24-May-10 11:40	25-May-10 09:15
J1081-04	TW-2A	Aqueous	24-May-10 11:45	25-May-10 09:15
J1081-05	TW-3	Aqueous	24-May-10 11:52	25-May-10 09:15
J1081-06	TRIP BLANK	Aqueous	24-May-10 00:00	25-May-10 09:15

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

All applicable NELAC or USEPA CLP requirments have been meet.

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

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

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

Authorized by:

Yihai Ding
Laboratory Director

Technical Reviewer's Initials:

Report of Laboratory Analyses for AECOM Technical Services

Client Project: NOW Corp. 94017.02, 02/10

Mitkem Work Order ID: J1081

June 10, 2010

Prepared For:

AECOM Technical Services
40 British American Boulevard
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Attn: Mr. Stephen Choiniere

Prepared By:

Mitkem Laboratories
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Client: AECOM Technical Services

Client Project: NOW Corp, 94017.02, 03/10

Lab Work Order: J1081

Date samples received: 05/25/10

Project Narrative

This data report includes the analysis results for six (6) aqueous samples that were received from AECOM Technical Services on May 25, 2010. Analyses were performed per specification in the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and laboratory sample ID.

Surrogate recoveries were within the QC limits for volatile organic analyses. Percent recoveries in laboratory control sample were within the QC limits with the exception high recovery toluene and ethylbenzene in LCSD-52053. The following samples were analyzed at dilution: INF052410 (16x), TW-1 (5x) and TW-2A (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. Several elements were detected below the reporting limit but above the method detection limit in method blank MB-51953 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.

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-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: EFF-052410
Lab ID: J1081-01

Project: NOW Corp. Site
Collection Date: 05/24/10 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		0.50	µg/L	1	06/03/2010 20:14	52053
Chloroethane	ND		0.50	µg/L	1	06/03/2010 20:14	52053
1,1-Dichloroethene	ND		0.50	µg/L	1	06/03/2010 20:14	52053
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	06/03/2010 20:14	52053
Methyl tert-butyl ether	ND		0.50	µg/L	1	06/03/2010 20:14	52053
1,1-Dichloroethane	ND		0.50	µg/L	1	06/03/2010 20:14	52053
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	06/03/2010 20:14	52053
1,1,1-Trichloroethane	ND		0.50	µg/L	1	06/03/2010 20:14	52053
1,2-Dichloroethane	ND		0.50	µg/L	1	06/03/2010 20:14	52053
Benzene	ND		0.50	µg/L	1	06/03/2010 20:14	52053
Trichloroethene	ND		0.50	µg/L	1	06/03/2010 20:14	52053
Toluene	ND		0.50	µg/L	1	06/03/2010 20:14	52053
1,1,2-Trichloroethane	ND		0.50	µg/L	1	06/03/2010 20:14	52053
Tetrachloroethene	ND		0.50	µg/L	1	06/03/2010 20:14	52053
Chlorobenzene	ND		0.50	µg/L	1	06/03/2010 20:14	52053
Ethylbenzene	ND		0.50	µg/L	1	06/03/2010 20:14	52053
m,p-Xylene	ND		0.50	µg/L	1	06/03/2010 20:14	52053
o-Xylene	ND		0.50	µg/L	1	06/03/2010 20:14	52053
Surrogate: Dibromofluoromethane	93.5		88-124	%REC	1	06/03/2010 20:14	52053
Surrogate: 1,2-Dichloroethane-d4	98.0		79-115	%REC	1	06/03/2010 20:14	52053
Surrogate: Toluene-d8	97.2		80-114	%REC	1	06/03/2010 20:14	52053
Surrogate: Bromofluorobenzene	108		60-123	%REC	1	06/03/2010 20:14	52053

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: INF-052410
Lab ID: J1081-02
Project: NOW Corp. Site
Collection Date: 05/24/10 11:58

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		8.0	µg/L	16	06/03/2010 20:43	52053
Chloroethane	ND		8.0	µg/L	16	06/03/2010 20:43	52053
1,1-Dichloroethene	12		8.0	µg/L	16	06/03/2010 20:43	52053
trans-1,2-Dichloroethene	ND		8.0	µg/L	16	06/03/2010 20:43	52053
Methyl tert-butyl ether	ND		8.0	µg/L	16	06/03/2010 20:43	52053
1,1-Dichloroethane	96		8.0	µg/L	16	06/03/2010 20:43	52053
cis-1,2-Dichloroethene	8.9		8.0	µg/L	16	06/03/2010 20:43	52053
1,1,1-Trichloroethane	230		8.0	µg/L	16	06/03/2010 20:43	52053
1,2-Dichloroethane	ND		8.0	µg/L	16	06/03/2010 20:43	52053
Benzene	ND		8.0	µg/L	16	06/03/2010 20:43	52053
Trichloroethene	220		8.0	µg/L	16	06/03/2010 20:43	52053
Toluene	ND		8.0	µg/L	16	06/03/2010 20:43	52053
1,1,2-Trichloroethane	ND		8.0	µg/L	16	06/03/2010 20:43	52053
Tetrachloroethene	ND		8.0	µg/L	16	06/03/2010 20:43	52053
Chlorobenzene	ND		8.0	µg/L	16	06/03/2010 20:43	52053
Ethylbenzene	ND		8.0	µg/L	16	06/03/2010 20:43	52053
m,p-Xylene	ND		8.0	µg/L	16	06/03/2010 20:43	52053
o-Xylene	ND		8.0	µg/L	16	06/03/2010 20:43	52053
Surrogate: Dibromofluoromethane	96.4		88-124	%REC	16	06/03/2010 20:43	52053
Surrogate: 1,2-Dichloroethane-d4	97.0		79-115	%REC	16	06/03/2010 20:43	52053
Surrogate: Toluene-d8	96.8		80-114	%REC	16	06/03/2010 20:43	52053
Surrogate: Bromofluorobenzene	107		60-123	%REC	16	06/03/2010 20:43	52053

Qualifiers:
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R - RPD outside accepted recovery limits
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RL - Reporting Limit

Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: TW-1
Lab ID: J1081-03
Project: NOW Corp. Site
Collection Date: 05/24/10 11:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS (25 mL Purge)							**SW8260_25_W**
Vinyl chloride	ND		2.5	µg/L	5	06/03/2010 21:12	52053
Chloroethane	ND		2.5	µg/L	5	06/03/2010 21:12	52053
1,1-Dichloroethene	11		2.5	µg/L	5	06/03/2010 21:12	52053
trans-1,2-Dichloroethene	ND		2.5	µg/L	5	06/03/2010 21:12	52053
Methyl tert-butyl ether	ND		2.5	µg/L	5	06/03/2010 21:12	52053
1,1-Dichloroethane	56		2.5	µg/L	5	06/03/2010 21:12	52053
cis-1,2-Dichloroethene	6.5		2.5	µg/L	5	06/03/2010 21:12	52053
1,1,1-Trichloroethane	3.1		2.5	µg/L	5	06/03/2010 21:12	52053
1,2-Dichloroethane	ND		2.5	µg/L	5	06/03/2010 21:12	52053
Benzene	ND		2.5	µg/L	5	06/03/2010 21:12	52053
Trichloroethene	74		2.5	µg/L	5	06/03/2010 21:12	52053
Toluene	ND		2.5	µg/L	5	06/03/2010 21:12	52053
1,1,2-Trichloroethane	ND		2.5	µg/L	5	06/03/2010 21:12	52053
Tetrachloroethene	ND		2.5	µg/L	5	06/03/2010 21:12	52053
Chlorobenzene	ND		2.5	µg/L	5	06/03/2010 21:12	52053
Ethylbenzene	ND		2.5	µg/L	5	06/03/2010 21:12	52053
m,p-Xylene	ND		2.5	µg/L	5	06/03/2010 21:12	52053
o-Xylene	ND		2.5	µg/L	5	06/03/2010 21:12	52053
Surrogate: Dibromofluoromethane	91.3		88-124	%REC	5	06/03/2010 21:12	52053
Surrogate: 1,2-Dichloroethane-d4	89.6		79-115	%REC	5	06/03/2010 21:12	52053
Surrogate: Toluene-d8	98.9		80-114	%REC	5	06/03/2010 21:12	52053
Surrogate: Bromofluorobenzene	111		60-123	%REC	5	06/03/2010 21:12	52053

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Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: TW-2A
Lab ID: J1081-04
Project: NOW Corp. Site
Collection Date: 05/24/10 11:45

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		10	µg/L	20	06/03/2010 21:41	52053
Chloroethane	ND		10	µg/L	20	06/03/2010 21:41	52053
1,1-Dichloroethene	19		10	µg/L	20	06/03/2010 21:41	52053
trans-1,2-Dichloroethene	ND		10	µg/L	20	06/03/2010 21:41	52053
Methyl tert-butyl ether	ND		10	µg/L	20	06/03/2010 21:41	52053
1,1-Dichloroethane	170		10	µg/L	20	06/03/2010 21:41	52053
cis-1,2-Dichloroethene	18		10	µg/L	20	06/03/2010 21:41	52053
1,1,1-Trichloroethane	460		10	µg/L	20	06/03/2010 21:41	52053
1,2-Dichloroethane	ND		10	µg/L	20	06/03/2010 21:41	52053
Benzene	ND		10	µg/L	20	06/03/2010 21:41	52053
Trichloroethene	400		10	µg/L	20	06/03/2010 21:41	52053
Toluene	ND		10	µg/L	20	06/03/2010 21:41	52053
1,1,2-Trichloroethane	ND		10	µg/L	20	06/03/2010 21:41	52053
Tetrachloroethene	ND		10	µg/L	20	06/03/2010 21:41	52053
Chlorobenzene	ND		10	µg/L	20	06/03/2010 21:41	52053
Ethylbenzene	ND		10	µg/L	20	06/03/2010 21:41	52053
m,p-Xylene	ND		10	µg/L	20	06/03/2010 21:41	52053
o-Xylene	ND		10	µg/L	20	06/03/2010 21:41	52053
Surrogate: Dibromofluoromethane	93.7		88-124	%REC	20	06/03/2010 21:41	52053
Surrogate: 1,2-Dichloroethane-d4	97.5		79-115	%REC	20	06/03/2010 21:41	52053
Surrogate: Toluene-d8	95.4		80-114	%REC	20	06/03/2010 21:41	52053
Surrogate: Bromofluorobenzene	107		60-123	%REC	20	06/03/2010 21:41	52053

Qualifiers:

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Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: TW-3
Lab ID: J1081-05
Project: NOW Corp. Site
Collection Date: 05/24/10 11:52

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	06/03/2010 22:10	52053
Chloroethane	ND		0.50	µg/L	1	06/03/2010 22:10	52053
1,1-Dichloroethene	1.2		0.50	µg/L	1	06/03/2010 22:10	52053
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	06/03/2010 22:10	52053
Methyl tert-butyl ether	ND		0.50	µg/L	1	06/03/2010 22:10	52053
1,1-Dichloroethane	11		0.50	µg/L	1	06/03/2010 22:10	52053
cis-1,2-Dichloroethene	0.21	J	0.50	µg/L	1	06/03/2010 22:10	52053
1,1,1-Trichloroethane	3.0		0.50	µg/L	1	06/03/2010 22:10	52053
1,2-Dichloroethane	ND		0.50	µg/L	1	06/03/2010 22:10	52053
Benzene	ND		0.50	µg/L	1	06/03/2010 22:10	52053
Trichloroethene	13		0.50	µg/L	1	06/03/2010 22:10	52053
Toluene	ND		0.50	µg/L	1	06/03/2010 22:10	52053
1,1,2-Trichloroethane	ND		0.50	µg/L	1	06/03/2010 22:10	52053
Tetrachloroethene	ND		0.50	µg/L	1	06/03/2010 22:10	52053
Chlorobenzene	ND		0.50	µg/L	1	06/03/2010 22:10	52053
Ethylbenzene	ND		0.50	µg/L	1	06/03/2010 22:10	52053
m,p-Xylene	ND		0.50	µg/L	1	06/03/2010 22:10	52053
o-Xylene	ND		0.50	µg/L	1	06/03/2010 22:10	52053
Surrogate: Dibromofluoromethane	93.8		88-124	%REC	1	06/03/2010 22:10	52053
Surrogate: 1,2-Dichloroethane-d4	92.4		79-115	%REC	1	06/03/2010 22:10	52053
Surrogate: Toluene-d8	99.3		80-114	%REC	1	06/03/2010 22:10	52053
Surrogate: Bromofluorobenzene	109		60-123	%REC	1	06/03/2010 22:10	52053

Qualifiers:

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DF - Dilution Factor
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R - RPD outside accepted recovery limits
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RL - Reporting Limit

Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: TRIP BLANK
Lab ID: J1081-06
Project: NOW Corp. Site
Collection Date: 05/24/10 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	06/03/2010 22:39	52053
Chloroethane	ND		0.50	µg/L	1	06/03/2010 22:39	52053
1,1-Dichloroethene	ND		0.50	µg/L	1	06/03/2010 22:39	52053
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	06/03/2010 22:39	52053
Methyl tert-butyl ether	ND		0.50	µg/L	1	06/03/2010 22:39	52053
1,1-Dichloroethane	ND		0.50	µg/L	1	06/03/2010 22:39	52053
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	06/03/2010 22:39	52053
1,1,1-Trichloroethane	ND		0.50	µg/L	1	06/03/2010 22:39	52053
1,2-Dichloroethane	ND		0.50	µg/L	1	06/03/2010 22:39	52053
Benzene	ND		0.50	µg/L	1	06/03/2010 22:39	52053
Trichloroethene	ND		0.50	µg/L	1	06/03/2010 22:39	52053
Toluene	ND		0.50	µg/L	1	06/03/2010 22:39	52053
1,1,2-Trichloroethane	ND		0.50	µg/L	1	06/03/2010 22:39	52053
Tetrachloroethene	ND		0.50	µg/L	1	06/03/2010 22:39	52053
Chlorobenzene	ND		0.50	µg/L	1	06/03/2010 22:39	52053
Ethylbenzene	ND		0.50	µg/L	1	06/03/2010 22:39	52053
m,p-Xylene	ND		0.50	µg/L	1	06/03/2010 22:39	52053
o-Xylene	ND		0.50	µg/L	1	06/03/2010 22:39	52053
Surrogate: Dibromofluoromethane	93.0		88-124	%REC	1	06/03/2010 22:39	52053
Surrogate: 1,2-Dichloroethane-d4	91.0		79-115	%REC	1	06/03/2010 22:39	52053
Surrogate: Toluene-d8	97.9		80-114	%REC	1	06/03/2010 22:39	52053
Surrogate: Bromofluorobenzene	109		60-123	%REC	1	06/03/2010 22:39	52053

Qualifiers:

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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: J1081
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: **MB-52053** SampType: **MBLK** TestCode: **SW8260_25_W** Prep Date: **06/03/10 13:59** Run ID: **V5_100603B**
Client ID: **MB-52053** Batch ID: **52053** Units: **µg/L** Analysis Date: **06/03/10 17:50** SeqNo: **1306079**

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.077	0.50									
Chloroethane	ND	0.42	0.50									
1,1-Dichloroethene	ND	0.22	0.50									
trans-1,2-Dichloroethene	ND	0.14	0.50									
Methyl *tert-butyl ether*	ND	0.090	0.50									
1,1-Dichloroethane	ND	0.14	0.50									
cis-1,2-Dichloroethene	ND	0.10	0.50									
1,1,1-Trichloroethane	ND	0.14	0.50									
1,2-Dichloroethane	ND	0.12	0.50									
Benzene	ND	0.13	0.50									
Trichloroethene	ND	0.12	0.50									
Toluene	ND	0.095	0.50									
1,1,2-Trichloroethane	ND	0.090	0.50									
Tetrachloroethene	ND	0.11	0.50									
Chlorobenzene	ND	0.096	0.50									
Ethylbenzene	ND	0.074	0.50									
m,p-Xylene	ND	0.19	0.50									
o-Xylene	ND	0.083	0.50									
Surrogate: Dibromofluoromethane	9.239	0	0.50	10.00	0	92.4	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.504	0	0.50	10.00	0	95.0	79	115	0			
Surrogate: Toluene-d8	9.576	0	0.50	10.00	0	95.8	80	114	0			
Surrogate: Bromofluorobenzene	11.01	0	0.50	10.00	0	110	60	123	0			

CLIENT: AECOM Technical Services, Inc.
Work Order: J1081
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: **LCS-52053** SampType: **LCS** TestCode: **SW8260_25_W** Prep Date: **06/03/10 13:59** Run ID: **V5_100603B**
Client ID: **LCS-52053** Batch ID: **52053** Units: **µg/L** Analysis Date: **06/03/10 16:51** SeqNo: **1306077**

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	11.57	0.077	0.50	10.00	0	116	77	120	0			
Chloroethane	10.71	0.42	0.50	10.00	0	107	75	135	0			
1,1-Dichloroethene	9.373	0.22	0.50	10.00	0	93.7	81	125	0			
trans-1,2-Dichloroethene	9.334	0.14	0.50	10.00	0	93.3	60	137	0			
Methyl tert-butyl ether	9.103	0.090	0.50	10.00	0	91.0	61	134	0			
1,1-Dichloroethane	9.455	0.14	0.50	10.00	0	94.6	82	120	0			
cis-1,2-Dichloroethene	8.795	0.10	0.50	10.00	0	88.0	84	116	0			
1,1,1-Trichloroethane	9.522	0.14	0.50	10.00	0	95.2	80	124	0			
1,2-Dichloroethane	9.086	0.12	0.50	10.00	0	90.9	86	117	0			
Benzene	10.40	0.13	0.50	10.00	0	104	81	121	0			
Trichloroethene	10.06	0.12	0.50	10.00	0	101	74	123	0			
Toluene	10.51	0.095	0.50	10.00	0	105	88	117	0			
1,1,2-Trichloroethane	9.302	0.090	0.50	10.00	0	93.0	83	121	0			
Tetrachloroethene	8.698	0.11	0.50	10.00	0	87.0	74	115	0			
Chlorobenzene	9.497	0.096	0.50	10.00	0	95.0	83	112	0			
Ethylbenzene	10.30	0.074	0.50	10.00	0	103	87	110	0			
m,p-Xylene	20.25	0.19	0.50	20.00	0	101	87	114	0			
o-Xylene	10.05	0.083	0.50	10.00	0	101	84	114	0			
Surrogate: Dibromofluoromethane	9.629	0	0.50	10.00	0	96.3	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.087	0	0.50	10.00	0	90.9	79	115	0			
Surrogate: Toluene-d8	9.625	0	0.50	10.00	0	96.2	80	114	0			
Surrogate: Bromofluorobenzene	10.39	0	0.50	10.00	0	104	60	123	0			

Qualifiers:
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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: J1081
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: **LCSD-52053** SampType: **LCSD** TestCode: **SW8260_25_W** Prep Date: **06/03/10 13:59** Run ID: **V5_100603B**
Client ID: **LCSD-52053** Batch ID: **52053** Units: **µg/L** Analysis Date: **06/03/10 17:21** SeqNo: **1306078**

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	11.64	0.077	0.50	10.00	0	116	77	120	11.57	0.575	40	
Chloroethane	10.87	0.42	0.50	10.00	0	109	75	135	10.71	1.48	40	
1,1-Dichloroethene	9.503	0.22	0.50	10.00	0	95.0	81	125	9.373	1.38	40	
trans-1,2-Dichloroethene	10.66	0.14	0.50	10.00	0	107	60	137	9.334	13.2	40	
Methyl tert-butyl ether	10.19	0.090	0.50	10.00	0	102	61	134	9.103	11.3	40	
1,1-Dichloroethane	10.71	0.14	0.50	10.00	0	107	82	120	9.455	12.4	40	
cis-1,2-Dichloroethene	10.40	0.10	0.50	10.00	0	104	84	116	8.795	16.7	40	
1,1,1-Trichloroethane	10.93	0.14	0.50	10.00	0	109	80	124	9.522	13.8	40	
1,2-Dichloroethane	10.24	0.12	0.50	10.00	0	102	86	117	9.086	12	40	
Benzene	11.59	0.13	0.50	10.00	0	116	81	121	10.40	10.8	40	
Trichloroethene	11.82	0.12	0.50	10.00	0	118	74	123	10.06	16	40	
Toluene	11.75	0.095	0.50	10.00	0	118	88	117	10.51	11.1	40	S
1,1,2-Trichloroethane	10.41	0.090	0.50	10.00	0	104	83	121	9.302	11.3	40	
Tetrachloroethene	9.013	0.11	0.50	10.00	0	90.1	74	115	8.698	3.56	40	
Chlorobenzene	10.55	0.096	0.50	10.00	0	106	83	112	9.497	10.5	40	
Ethylbenzene	11.05	0.074	0.50	10.00	0	110	87	110	10.30	6.98	40	S
m,p-Xylene	21.87	0.19	0.50	20.00	0	109	87	114	20.25	7.72	40	
o-Xylene	11.00	0.083	0.50	10.00	0	110	84	114	10.05	8.99	40	
Surrogate: Dibromofluoromethane	9.753	0	0.50	10.00	0	97.5	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	8.711	0	0.50	10.00	0	87.1	79	115	0			
Surrogate: Toluene-d8	9.746	0	0.50	10.00	0	97.5	80	114	0			
Surrogate: Bromofluorobenzene	10.36	0	0.50	10.00	0	104	60	123	0			

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: *08-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: EFF-052410
Lab ID: J1081-01

Project: NOW Corp. Site
Collection Date: 05/24/10 11:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA 1664A -- Oil & Grease, HEM							**E1664**
Oil & Grease, Total Recoverable	67		5.0	mg/L	1	06/07/2010 15:17	52104

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *08-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: INF-052410
Lab ID: J1081-02

Project: NOW Corp. Site
Collection Date: 05/24/10 11:58

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	06/07/2010 15:17	52104

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

CLIENT: AECOM Technical Services, Inc.
Work Order: J1081
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

E1664
EPA 1664A -- Oil & Grease, HEM

Sample ID: **MB-52104** SampType: **MBLK** TestCode: **E1664** Prep Date: **06/07/10 9:00** Run ID: **MANUAL_100607A**
Client ID: **MB-52104** Batch ID: **52104** Units: **mg/L** Analysis Date: **06/07/10 15:17** SeqNo: **1309690**

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease, Total Recoverable	ND	1.2	5.0									

Sample ID: **LCS-52104** SampType: **LCS** TestCode: **E1664** Prep Date: **06/07/10 9:00** Run ID: **MANUAL_100607A**
Client ID: **LCS-52104** Batch ID: **52104** Units: **mg/L** Analysis Date: **06/07/10 15:17** SeqNo: **1309688**

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease, Total Recoverable	36.90	1.2	5.0	40.00	0	92.3	78	114	0			

Sample ID: **LCSD-52104** SampType: **LCSD** TestCode: **E1664** Prep Date: **06/07/10 9:00** Run ID: **MANUAL_100607A**
Client ID: **LCSD-52104** Batch ID: **52104** Units: **mg/L** Analysis Date: **06/07/10 15:17** SeqNo: **1309689**

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease, Total Recoverable	41.80	1.2	5.0	40.00	0	105	78	114	36.90	12.5	18	

Mitkem Laboratories

Date: *03-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: EFF-052410
Lab ID: J1081-01
Project: NOW Corp. Site
Collection Date: 05/24/10 11:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							**SW6010_W**
Aluminum	12	BJ	200	µg/L	1	06/02/2010 12:40	51953
Arsenic	ND		20	µg/L	1	06/02/2010 12:40	51953
Barium	67	J	200	µg/L	1	06/02/2010 12:40	51953
Chromium	ND		20	µg/L	1	06/02/2010 12:40	51953
Copper	6.9	BJ	25	µg/L	1	06/02/2010 12:40	51953
Iron	ND		200	µg/L	1	06/02/2010 12:40	51953
Manganese	68		50	µg/L	1	06/02/2010 12:40	51953
Nickel	2.6	J	50	µg/L	1	06/02/2010 12:40	51953
Zinc	36	BJ	50	µg/L	1	06/02/2010 12:40	51953
SW846 7470 -- Mercury by FIA							**SW7470**
Mercury	ND		0.20	µg/L	1	06/03/2010 10:53	52026

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *03-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: INF-052410
Lab ID: J1081-02
Project: NOW Corp. Site
Collection Date: 05/24/10 11:58

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							**SW6010_W**
Aluminum	ND		200	µg/L	1	06/02/2010 12:43	51953
Arsenic	ND		20	µg/L	1	06/02/2010 12:43	51953
Barium	66	J	200	µg/L	1	06/02/2010 12:43	51953
Chromium	ND		20	µg/L	1	06/02/2010 12:43	51953
Copper	ND		25	µg/L	1	06/02/2010 12:43	51953
Iron	ND		200	µg/L	1	06/02/2010 12:43	51953
Manganese	110		50	µg/L	1	06/02/2010 12:43	51953
Nickel	1.3	J	50	µg/L	1	06/02/2010 12:43	51953
Zinc	17	BJ	50	µg/L	1	06/02/2010 12:43	51953
SW846 7470 -- Mercury by FIA							**SW7470**
Mercury	ND		0.20	µg/L	1	06/03/2010 10:55	52026

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

CLIENT: AECOM Technical Services, Inc.
Work Order: *J1081*
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW6010_W

SW846 6010 -- Metals by ICP

Sample ID: **MB-51953** SampType: **MBLK** TestCode: **SW6010_W** Prep Date: **05/28/10 13:30** Run ID: **OPTIMA2_100602B**
Client ID: **MB-51953** Batch ID: **51953** Units: **µg/L** Analysis Date: **06/02/10 12:35** SeqNo: **1304405**

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	17.58	12	200									J
Arsenic	ND	3.1	20									
Barium	ND	2.9	200									
Chromium	ND	0.50	20									
Copper	5.797	4.7	30									J
Iron	ND	47	200									
Manganese	ND	3.5	50									
Nickel	ND	0.64	50									
Zinc	12.70	7.0	50									J

Sample ID: **LCS-51953** SampType: **LCS** TestCode: **SW6010_W** Prep Date: **05/28/10 13:30** Run ID: **OPTIMA2_100602B**
Client ID: **LCS-51953** Batch ID: **51953** Units: **µg/L** Analysis Date: **06/02/10 12:37** SeqNo: **1304406**

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	8930	12	200	9100	0	98.1	80	120	0			B
Arsenic	475.1	3.1	20	455.0	0	104	80	120	0			
Barium	9214	2.9	200	9100	0	101	80	120	0			
Chromium	905.2	0.50	20	910.0	0	99.5	80	120	0			
Copper	1132	4.7	30	1130	0	100	80	120	0			B
Iron	4654	47	200	4550	0	102	80	120	0			
Manganese	2303	3.5	50	2270	0	101	80	120	0			
Nickel	2326	0.64	50	2270	0	102	80	120	0			
Zinc	2310	7.0	50	2270	0	102	80	120	0			B

SGS

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: J1081
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW7470

SW846 7470 -- Mercury by FIA

Sample ID: **MB-52026** SampType: **MBLK** TestCode: **SW7470** Prep Date: **06/02/10 13:35** Run ID: **FIMS1_100603B**
Client ID: **MB-52026** Batch ID: **52026** Units: **µg/L** Analysis Date: **06/03/10 10:18** SeqNo: **1305424**

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.1052	0.056	0.20									J

Sample ID: **LCS-52026** SampType: **LCS** TestCode: **SW7470** Prep Date: **06/02/10 13:35** Run ID: **FIMS1_100603B**
Client ID: **LCS-52026** Batch ID: **52026** Units: **µg/L** Analysis Date: **06/03/10 10:19** SeqNo: **1305425**

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.586	0.056	0.20	4.550	0	101	80	120	0			B

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

mLIMS-002

Mitkem Laboratories

Date: *07-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: EFF-052410
Lab ID: J1081-01

Project: NOW Corp. Site
Collection Date: 05/24/10 11:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							**SM2540_TDS**
Total Dissolved Solids	350		10	mg/L	1	05/29/2010 6:30	51955
SM 2540D -- TOTAL SUSPENDED SOLIDS							**SM2540_TSS**
Total Suspended Solids	ND		10	mg/L	1	05/28/2010 20:03	51956
SW846 9012B -- Total Cyanide							**SW9012_W**
Cyanide	ND		10	µg/L	1	05/27/2010 15:29	51855

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *07-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: INF-052410
Lab ID: J1081-02

Project: NOW Corp. Site
Collection Date: 05/24/10 11:58

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							**SM2540_TDS**
Total Dissolved Solids	350		10	mg/L	1	05/29/2010 7:30	51955
SM 2540D -- TOTAL SUSPENDED SOLIDS							**SM2540_TSS**
Total Suspended Solids	ND		10	mg/L	1	05/28/2010 21:50	51956
SW846 9012B -- Total Cyanide							**SW9012_W**
Cyanide	ND		10	µg/L	1	05/27/2010 15:32	51855

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

CLIENT: AECOM Technical Services, Inc.
Work Order: J1081
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SM2540_TDS

SM 2540C -- TOTAL DISSOLVED SOLIDS

Sample ID: **MB-51955**	SampType: **MBLK**	TestCode: **SM2540_TDS**			Prep Date: **05/28/10 16:30**			Run ID: **MANUAL_100528B**			
Client ID: **MB-51955**	Batch ID: **51955**	Units: **mg/L**			Analysis Date: **05/28/10 16:30**			SeqNo: **1307892**			
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	10	10									

Sample ID: **LCS-51955**	SampType: **LCS**	TestCode: **SM2540_TDS**			Prep Date: **05/28/10 16:30**			Run ID: **MANUAL_100528B**			
Client ID: **LCS-51955**	Batch ID: **51955**	Units: **mg/L**			Analysis Date: **05/28/10 17:30**			SeqNo: **1307893**			
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	362.0	10	10	350.0	0	103	80	120	0			

CLIENT: AECOM Technical Services, Inc.
Work Order: J1081
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SM2540_TSS

SM 2540D -- TOTAL SUSPENDED SOLIDS

Sample ID: **MB-51956**	SampType: **MBLK**	TestCode: **SM2540_TSS**			Prep Date: **05/28/10 16:30**			Run ID: **MANUAL_100528C**			
Client ID: **MB-51956**	Batch ID: **51956**	Units: **mg/L**			Analysis Date: **05/28/10 16:30**			SeqNo: **1307908**			
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	10	10									

Sample ID: **LCS-51956**	SampType: **LCS**	TestCode: **SM2540_TSS**			Prep Date: **05/28/10 16:30**			Run ID: **MANUAL_100528C**			
Client ID: **LCS-51956**	Batch ID: **51956**	Units: **mg/L**			Analysis Date: **05/28/10 18:16**			SeqNo: **1307909**			
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	45.00	10	10	51.40	0	87.5	80	120	0			

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

mLIMS-002

CLIENT: AECOM Technical Services, Inc.
Work Order: J1081
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW9012_W
SW846 9012B -- Total Cyanide

Sample ID: **MB-51855**	SampType: **MBLK**	TestCode: **SW9012_W**			Prep Date: **05/26/10 10:00**			Run ID: **LACHAT1_100527A**				
Client ID: **MB-51855**	Batch ID: **51855**	Units: **µg/L**			Analysis Date: **05/27/10 15:02**			SeqNo: **1300667**				
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	2.5	20									

Sample ID: **LCS-51855**	SampType: **LCS**	TestCode: **SW9012_W**			Prep Date: **05/26/10 10:00**			Run ID: **LACHAT1_100527A**				
Client ID: **LCS-51855**	Batch ID: **51855**	Units: **µg/L**			Analysis Date: **05/27/10 15:04**			SeqNo: **1300668**				
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	104.2	2.5	20	100.0	0	104	80	120	0			

Sample ID: **LCSD-51855**	SampType: **LCSD**	TestCode: **SW9012_W**			Prep Date: **05/26/10 10:00**			Run ID: **LACHAT1_100527A**				
Client ID: **LCSD-51855**	Batch ID: **51855**	Units: **µg/L**			Analysis Date: **05/27/10 15:07**			SeqNo: **1300669**				
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	102.6	2.5	20	100.0	0	103	80	120	104.2	1.53	20	

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

WorkOrder: J1081

05/26/2010 06:35

Mitkem Laboratories

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

Case:
SDG:
PO: 94017.02

HC Due: 06/10/10
Fax Due:
Fax Report: ☐

Report Level: LEVEL 2
Special Program:
EDD:

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J1081-01A	EFF-052410	05/24/2010 11:20	05/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1081-01B	EFF-052410	05/24/2010 11:20	05/25/2010	Aqueous	SW6010_W	/ See SEL list				Y	M4
J1081-01B	EFF-052410	05/24/2010 11:20	05/25/2010	Aqueous	SW7470	/ See SEL list					M4
J1081-01C	EFF-052410	05/24/2010 11:20	05/25/2010	Aqueous	SM2540_TDS	/					I4
J1081-01C	EFF-052410	05/24/2010 11:20	05/25/2010	Aqueous	SM2540_TSS	/					I4
J1081-01D	EFF-052410	05/24/2010 11:20	05/25/2010	Aqueous	E1664	/					I4
J1081-01E	EFF-052410	05/24/2010 11:20	05/25/2010	Aqueous	SW9012_W	/				Y	I4
J1081-02A	INF-052410	05/24/2010 11:58	05/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1081-02B	INF-052410	05/24/2010 11:58	05/25/2010	Aqueous	SW6010_W	/ See SEL list				Y	M4
J1081-02B	INF-052410	05/24/2010 11:58	05/25/2010	Aqueous	SW7470	/ See SEL list					M4
J1081-02C	INF-052410	05/24/2010 11:58	05/25/2010	Aqueous	SM2540_TDS	/					I4
J1081-02C	INF-052410	05/24/2010 11:58	05/25/2010	Aqueous	SM2540_TSS	/					I4
J1081-02D	INF-052410	05/24/2010 11:58	05/25/2010	Aqueous	E1664	/					I4
J1081-02E	INF-052410	05/24/2010 11:58	05/25/2010	Aqueous	SW9012_W	/				Y	I4
J1081-03A	TW-1	05/24/2010 11:40	05/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1081-04A	TW-2A	05/24/2010 11:45	05/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1081-05A	TW-3	05/24/2010 11:52	05/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1081-06A	TRIP BLANK	05/24/2010 00:00	05/25/2010	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

Lab Client Rep: Edward A Lawler

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
  - · All TATs subject to laboratory approval.
  - · Min. 24-hour notification needed for rushes.
  - · Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM
40 British American Blvd.
Latham NY 12110

Telephone #: 518-951-2200
Project Mgr. Stephen Choiniere

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60135676.02
Site Name: Now Corp
Location: Stattsburg State: NY
Sampler(s): SRG

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= None 10= _____ 11= _____

List preservative code below: 2 4 9 2 5

QA/QC Reporting Notes:
(check as needed)

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8260	Metals*	TDS/TSS	O+G	Cyanide
J1081-01	EFF-052410	5/24/10	11:20	G	GW	2	3		3	X	X	X	X	X
-02	INF-052410		11:58				3		3	X	X	X	X	X
-03	TW-1		11:40											
-04	TW-2A		11:45											
-05	TW-3		11:52											
J1081 -06	Trip Blank	5/10/10	—											

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

☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other _____

State specific reporting standards: _____

Relinquished by:	Received by:	Date:	Time:	Temp°C
Steve Guy		5/24/10	3:40	
	Vernon Gut	5/25/10	9:15	2°C

☐ EDD Format _____
☐ E-mail to _____

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

0025

MITKEM LABORATORIES
Sample Condition Form

Received By: VEG | Reviewed By: [illegible] | Date: 5/25/10 | Mitkem Work Order #: J1081

Client Project: NOW CORP | Client: EARTH.NM

1) Cooler Sealed — (Yes) / No

2) Custody Seal(s) — (Present) / Absent; (Coolers) / Bottles; (Intact) / Broken

3) Custody Seal Number(s) N/A

4) Chain-of-Custody — (Present) / Absent

5) Cooler Temperature 2°C

IR Temp Gun ID MT-1

Coolant Condition ICE

6) Airbill(s) — (Present) / Absent

Airbill Number(s) FedEx 8690 7924 0692

7) Samples Bottles — (Intact) / Broken / Leaking

8) Date Received 5/25/10

9) Time Received 9:15

Preservative Name/Lot No.:

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	H_3PO_4	VOA Matrix	Soil Headspace or Air Bubble ≥ 1/4"
J1081	01	<2		<2	>12		H	
	02	<2		<2	>12			
	03							
	04							
	05							
J1081	06						H	

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)

Form ID: QAF.0006 Rad OK yes / no

Last Page of Data Report

Report Date:
10-Jun-10 12:19

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

Laboratory Report

AECOM Technical Services, Inc.
40 British American Boulevard
Latham, NY 12110

Work Order: J1115
Project : NOW Corp. Site
Project #:

Attn: Stephen Choiniere

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
J1115-01	MW-12S	Aqueous	25-May-10 08:55	28-May-10 08:28
J1115-02	MW-12D	Aqueous	25-May-10 09:05	28-May-10 08:28
J1115-03	MW-6S	Aqueous	25-May-10 09:45	28-May-10 08:28
J1115-04	MW-6D	Aqueous	25-May-10 10:10	28-May-10 08:28
J1115-05	MW-1	Aqueous	25-May-10 10:50	28-May-10 08:28
J1115-06	MW-7S	Aqueous	25-May-10 11:20	28-May-10 08:28
J1115-07	MW-7D	Aqueous	25-May-10 11:30	28-May-10 08:28
J1115-08	DUP-1	Aqueous	25-May-10 00:00	28-May-10 08:28
J1115-09	MW-4S	Aqueous	25-May-10 13:40	28-May-10 08:28
J1115-10	TRIP BLANK	Aqueous	25-May-10 00:00	28-May-10 08:28

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

All applicable NELAC or USEPA CLP requirments have been meet.

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

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

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

Authorized by:

Yihai Ding
Laboratory Director

Technical Reviewer's Initials: YD

Report of Laboratory Analyses for AECOM Technical Services

Client Project: NOW Corp. 94017.02, 02/10

Mitkem Work Order ID: J1115

June 10, 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, 03/10

Lab Work Order: J1115

Date samples received: 05/25/10

Project Narrative

This data report includes the analysis results for ten (10) aqueous samples that were received from AECOM Technical Services on May 28, 2010. Analyses were performed per specification in the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and laboratory sample ID.

Surrogate recoveries were within the QC limits for volatile organic analyses. Percent recoveries in laboratory control sample were within the QC limits with the exception marginally high recovery of toluene and ethylbenzene in LCS-52053 and marginally high recovery vinyl chloride in LCS-52054. The following samples were re-analyzed at dilution: MW-6S (4x), MW-1 (4x), MW-7S (16x), MW-7D (8x) and DUP-1 (10x).

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-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: MW-12S
Lab ID: J1115-01

Project: NOW Corp. Site
Collection Date: 05/25/10 8:55

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		0.50	µg/L	1	06/03/2010 23:37	52053
Chloroethane	ND		0.50	µg/L	1	06/03/2010 23:37	52053
1,1-Dichloroethene	ND		0.50	µg/L	1	06/03/2010 23:37	52053
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	06/03/2010 23:37	52053
Methyl tert-butyl ether	ND		0.50	µg/L	1	06/03/2010 23:37	52053
1,1-Dichloroethane	ND		0.50	µg/L	1	06/03/2010 23:37	52053
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	06/03/2010 23:37	52053
1,1,1-Trichloroethane	ND		0.50	µg/L	1	06/03/2010 23:37	52053
1,2-Dichloroethane	ND		0.50	µg/L	1	06/03/2010 23:37	52053
Benzene	ND		0.50	µg/L	1	06/03/2010 23:37	52053
Trichloroethene	ND		0.50	µg/L	1	06/03/2010 23:37	52053
Toluene	ND		0.50	µg/L	1	06/03/2010 23:37	52053
1,1,2-Trichloroethane	ND		0.50	µg/L	1	06/03/2010 23:37	52053
Tetrachloroethene	ND		0.50	µg/L	1	06/03/2010 23:37	52053
Chlorobenzene	ND		0.50	µg/L	1	06/03/2010 23:37	52053
Ethylbenzene	ND		0.50	µg/L	1	06/03/2010 23:37	52053
m,p-Xylene	ND		0.50	µg/L	1	06/03/2010 23:37	52053
o-Xylene	ND		0.50	µg/L	1	06/03/2010 23:37	52053
Surrogate: Dibromofluoromethane	92.7		88-124	%REC	1	06/03/2010 23:37	52053
Surrogate: 1,2-Dichloroethane-d4	94.9		79-115	%REC	1	06/03/2010 23:37	52053
Surrogate: Toluene-d8	95.2		80-114	%REC	1	06/03/2010 23:37	52053
Surrogate: Bromofluorobenzene	107		60-123	%REC	1	06/03/2010 23:37	52053

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: MW-12D
Lab ID: J1115-02
Project: NOW Corp. Site
Collection Date: 05/25/10 9:05

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	06/04/2010 0:06	52053
Chloroethane	4.5		0.50	µg/L	1	06/04/2010 0:06	52053
1,1-Dichloroethene	1.8		0.50	µg/L	1	06/04/2010 0:06	52053
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	06/04/2010 0:06	52053
Methyl tert-butyl ether	ND		0.50	µg/L	1	06/04/2010 0:06	52053
1,1-Dichloroethane	13		0.50	µg/L	1	06/04/2010 0:06	52053
cis-1,2-Dichloroethene	0.30	J	0.50	µg/L	1	06/04/2010 0:06	52053
1,1,1-Trichloroethane	ND		0.50	µg/L	1	06/04/2010 0:06	52053
1,2-Dichloroethane	ND		0.50	µg/L	1	06/04/2010 0:06	52053
Benzene	ND		0.50	µg/L	1	06/04/2010 0:06	52053
Trichloroethene	1.5		0.50	µg/L	1	06/04/2010 0:06	52053
Toluene	ND		0.50	µg/L	1	06/04/2010 0:06	52053
1,1,2-Trichloroethane	ND		0.50	µg/L	1	06/04/2010 0:06	52053
Tetrachloroethene	ND		0.50	µg/L	1	06/04/2010 0:06	52053
Chlorobenzene	ND		0.50	µg/L	1	06/04/2010 0:06	52053
Ethylbenzene	ND		0.50	µg/L	1	06/04/2010 0:06	52053
m,p-Xylene	ND		0.50	µg/L	1	06/04/2010 0:06	52053
o-Xylene	ND		0.50	µg/L	1	06/04/2010 0:06	52053
Surrogate: Dibromofluoromethane	93.1		88-124	%REC	1	06/04/2010 0:06	52053
Surrogate: 1,2-Dichloroethane-d4	91.3		79-115	%REC	1	06/04/2010 0:06	52053
Surrogate: Toluene-d8	96.7		80-114	%REC	1	06/04/2010 0:06	52053
Surrogate: Bromofluorobenzene	106		60-123	%REC	1	06/04/2010 0:06	52053

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: MW-6S
Lab ID: J1115-03

Project: NOW Corp. Site
Collection Date: 05/25/10 9:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS (25 mL Purge)							**SW8260_25_W**
Vinyl chloride	ND		0.50	µg/L	1	06/04/2010 0:34	52053
Chloroethane	ND		0.50	µg/L	1	06/04/2010 0:34	52053
1,1-Dichloroethene	2.8		0.50	µg/L	1	06/04/2010 0:34	52053
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	06/04/2010 0:34	52053
Methyl tert-butyl ether	ND		0.50	µg/L	1	06/04/2010 0:34	52053
1,1-Dichloroethane	18		0.50	µg/L	1	06/04/2010 0:34	52053
cis-1,2-Dichloroethene	1.1		0.50	µg/L	1	06/04/2010 0:34	52053
1,1,1-Trichloroethane	11		0.50	µg/L	1	06/04/2010 0:34	52053
1,2-Dichloroethane	ND		0.50	µg/L	1	06/04/2010 0:34	52053
Benzene	ND		0.50	µg/L	1	06/04/2010 0:34	52053
Trichloroethene	79	E	0.50	µg/L	1	06/04/2010 0:34	52053
Toluene	ND		0.50	µg/L	1	06/04/2010 0:34	52053
1,1,2-Trichloroethane	ND		0.50	µg/L	1	06/04/2010 0:34	52053
Tetrachloroethene	ND		0.50	µg/L	1	06/04/2010 0:34	52053
Chlorobenzene	ND		0.50	µg/L	1	06/04/2010 0:34	52053
Ethylbenzene	ND		0.50	µg/L	1	06/04/2010 0:34	52053
m,p-Xylene	ND		0.50	µg/L	1	06/04/2010 0:34	52053
o-Xylene	ND		0.50	µg/L	1	06/04/2010 0:34	52053
Surrogate: Dibromofluoromethane	87.3	S	88-124	%REC	1	06/04/2010 0:34	52053
Surrogate: 1,2-Dichloroethane-d4	87.5		79-115	%REC	1	06/04/2010 0:34	52053
Surrogate: Toluene-d8	94.7		80-114	%REC	1	06/04/2010 0:34	52053
Surrogate: Bromofluorobenzene	108		60-123	%REC	1	06/04/2010 0:34	52053

Qualifiers:

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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-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: MW-6S
Lab ID: J1115-03
Project: NOW Corp. Site
Collection Date: 05/25/10 9:45

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		2.0	µg/L	4	06/04/2010 12:13	52054
Chloroethane	ND		2.0	µg/L	4	06/04/2010 12:13	52054
1,1-Dichloroethene	2.9		2.0	µg/L	4	06/04/2010 12:13	52054
trans-1,2-Dichloroethene	ND		2.0	µg/L	4	06/04/2010 12:13	52054
Methyl tert-butyl ether	ND		2.0	µg/L	4	06/04/2010 12:13	52054
1,1-Dichloroethane	18		2.0	µg/L	4	06/04/2010 12:13	52054
cis-1,2-Dichloroethene	ND		2.0	µg/L	4	06/04/2010 12:13	52054
1,1,1-Trichloroethane	11		2.0	µg/L	4	06/04/2010 12:13	52054
1,2-Dichloroethane	ND		2.0	µg/L	4	06/04/2010 12:13	52054
Benzene	ND		2.0	µg/L	4	06/04/2010 12:13	52054
Trichloroethene	82		2.0	µg/L	4	06/04/2010 12:13	52054
Toluene	ND		2.0	µg/L	4	06/04/2010 12:13	52054
1,1,2-Trichloroethane	ND		2.0	µg/L	4	06/04/2010 12:13	52054
Tetrachloroethene	ND		2.0	µg/L	4	06/04/2010 12:13	52054
Chlorobenzene	ND		2.0	µg/L	4	06/04/2010 12:13	52054
Ethylbenzene	ND		2.0	µg/L	4	06/04/2010 12:13	52054
m,p-Xylene	ND		2.0	µg/L	4	06/04/2010 12:13	52054
o-Xylene	ND		2.0	µg/L	4	06/04/2010 12:13	52054
Surrogate: Dibromofluoromethane	93.0		88-124	%REC	4	06/04/2010 12:13	52054
Surrogate: 1,2-Dichloroethane-d4	93.1		79-115	%REC	4	06/04/2010 12:13	52054
Surrogate: Toluene-d8	94.8		80-114	%REC	4	06/04/2010 12:13	52054
Surrogate: Bromofluorobenzene	108		60-123	%REC	4	06/04/2010 12:13	52054

Qualifiers:

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J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: MW-6D
Lab ID: J1115-04

Project: NOW Corp. Site
Collection Date: 05/25/10 10:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS (25 mL Purge)							**SW8260_25_W**
Vinyl chloride	ND		0.50	µg/L	1	06/04/2010 12:42	52054
Chloroethane	ND		0.50	µg/L	1	06/04/2010 12:42	52054
1,1-Dichloroethene	1.4		0.50	µg/L	1	06/04/2010 12:42	52054
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	06/04/2010 12:42	52054
Methyl tert-butyl ether	ND		0.50	µg/L	1	06/04/2010 12:42	52054
1,1-Dichloroethane	13		0.50	µg/L	1	06/04/2010 12:42	52054
cis-1,2-Dichloroethene	1.0		0.50	µg/L	1	06/04/2010 12:42	52054
1,1,1-Trichloroethane	2.3		0.50	µg/L	1	06/04/2010 12:42	52054
1,2-Dichloroethane	ND		0.50	µg/L	1	06/04/2010 12:42	52054
Benzene	ND		0.50	µg/L	1	06/04/2010 12:42	52054
Trichloroethene	7.5		0.50	µg/L	1	06/04/2010 12:42	52054
Toluene	ND		0.50	µg/L	1	06/04/2010 12:42	52054
1,1,2-Trichloroethane	ND		0.50	µg/L	1	06/04/2010 12:42	52054
Tetrachloroethene	ND		0.50	µg/L	1	06/04/2010 12:42	52054
Chlorobenzene	ND		0.50	µg/L	1	06/04/2010 12:42	52054
Ethylbenzene	ND		0.50	µg/L	1	06/04/2010 12:42	52054
m,p-Xylene	ND		0.50	µg/L	1	06/04/2010 12:42	52054
o-Xylene	ND		0.50	µg/L	1	06/04/2010 12:42	52054
Surrogate: Dibromofluoromethane	98.7		88-124	%REC	1	06/04/2010 12:42	52054
Surrogate: 1,2-Dichloroethane-d4	109		79-115	%REC	1	06/04/2010 12:42	52054
Surrogate: Toluene-d8	98.1		80-114	%REC	1	06/04/2010 12:42	52054
Surrogate: Bromofluorobenzene	108		60-123	%REC	1	06/04/2010 12:42	52054

Qualifiers:

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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-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: MW-1
Lab ID: J1115-05

Project: NOW Corp. Site
Collection Date: 05/25/10 10:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS (25 mL Purge)							**SW8260_25_W**
Vinyl chloride	ND		0.50	µg/L	1	06/04/2010 1:33	52053
Chloroethane	ND		0.50	µg/L	1	06/04/2010 1:33	52053
1,1-Dichloroethene	2.9		0.50	µg/L	1	06/04/2010 1:33	52053
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	06/04/2010 1:33	52053
Methyl tert-butyl ether	ND		0.50	µg/L	1	06/04/2010 1:33	52053
1,1-Dichloroethane	16		0.50	µg/L	1	06/04/2010 1:33	52053
cis-1,2-Dichloroethene	12		0.50	µg/L	1	06/04/2010 1:33	52053
1,1,1-Trichloroethane	8.5		0.50	µg/L	1	06/04/2010 1:33	52053
1,2-Dichloroethane	ND		0.50	µg/L	1	06/04/2010 1:33	52053
Benzene	ND		0.50	µg/L	1	06/04/2010 1:33	52053
Trichloroethene	71	E	0.50	µg/L	1	06/04/2010 1:33	52053
Toluene	ND		0.50	µg/L	1	06/04/2010 1:33	52053
1,1,2-Trichloroethane	ND		0.50	µg/L	1	06/04/2010 1:33	52053
Tetrachloroethene	ND		0.50	µg/L	1	06/04/2010 1:33	52053
Chlorobenzene	ND		0.50	µg/L	1	06/04/2010 1:33	52053
Ethylbenzene	ND		0.50	µg/L	1	06/04/2010 1:33	52053
m,p-Xylene	ND		0.50	µg/L	1	06/04/2010 1:33	52053
o-Xylene	ND		0.50	µg/L	1	06/04/2010 1:33	52053
Surrogate: Dibromofluoromethane	89.9		88-124	%REC	1	06/04/2010 1:33	52053
Surrogate: 1,2-Dichloroethane-d4	92.8		79-115	%REC	1	06/04/2010 1:33	52053
Surrogate: Toluene-d8	95.7		80-114	%REC	1	06/04/2010 1:33	52053
Surrogate: Bromofluorobenzene	108		60-123	%REC	1	06/04/2010 1:33	52053

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: MW-1
Lab ID: J1115-05
Project: NOW Corp. Site
Collection Date: 05/25/10 10:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS (25 mL Purge)							**SW8260_25_W**
Vinyl chloride	ND		2.0	µg/L	4	06/04/2010 13:11	52054
Chloroethane	ND		2.0	µg/L	4	06/04/2010 13:11	52054
1,1-Dichloroethene	3.1		2.0	µg/L	4	06/04/2010 13:11	52054
trans-1,2-Dichloroethene	ND		2.0	µg/L	4	06/04/2010 13:11	52054
Methyl tert-butyl ether	ND		2.0	µg/L	4	06/04/2010 13:11	52054
1,1-Dichloroethane	16		2.0	µg/L	4	06/04/2010 13:11	52054
cis-1,2-Dichloroethene	12		2.0	µg/L	4	06/04/2010 13:11	52054
1,1,1-Trichloroethane	7.8		2.0	µg/L	4	06/04/2010 13:11	52054
1,2-Dichloroethane	ND		2.0	µg/L	4	06/04/2010 13:11	52054
Benzene	ND		2.0	µg/L	4	06/04/2010 13:11	52054
Trichloroethene	74		2.0	µg/L	4	06/04/2010 13:11	52054
Toluene	ND		2.0	µg/L	4	06/04/2010 13:11	52054
1,1,2-Trichloroethane	ND		2.0	µg/L	4	06/04/2010 13:11	52054
Tetrachloroethene	ND		2.0	µg/L	4	06/04/2010 13:11	52054
Chlorobenzene	ND		2.0	µg/L	4	06/04/2010 13:11	52054
Ethylbenzene	ND		2.0	µg/L	4	06/04/2010 13:11	52054
m,p-Xylene	ND		2.0	µg/L	4	06/04/2010 13:11	52054
o-Xylene	ND		2.0	µg/L	4	06/04/2010 13:11	52054
Surrogate: Dibromofluoromethane	96.3		88-124	%REC	4	06/04/2010 13:11	52054
Surrogate: 1,2-Dichloroethane-d4	93.0		79-115	%REC	4	06/04/2010 13:11	52054
Surrogate: Toluene-d8	96.9		80-114	%REC	4	06/04/2010 13:11	52054
Surrogate: Bromofluorobenzene	107		60-123	%REC	4	06/04/2010 13:11	52054

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: MW-7S
Lab ID: J1115-06
Project: NOW Corp. Site
Collection Date: 05/25/10 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	1.4		0.50	µg/L	1	06/04/2010 2:02	52053
Chloroethane	ND		0.50	µg/L	1	06/04/2010 2:02	52053
1,1-Dichloroethene	0.95		0.50	µg/L	1	06/04/2010 2:02	52053
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	06/04/2010 2:02	52053
Methyl tert-butyl ether	ND		0.50	µg/L	1	06/04/2010 2:02	52053
1,1-Dichloroethane	7.3		0.50	µg/L	1	06/04/2010 2:02	52053
cis-1,2-Dichloroethene	31		0.50	µg/L	1	06/04/2010 2:02	52053
1,1,1-Trichloroethane	12		0.50	µg/L	1	06/04/2010 2:02	52053
1,2-Dichloroethane	ND		0.50	µg/L	1	06/04/2010 2:02	52053
Benzene	ND		0.50	µg/L	1	06/04/2010 2:02	52053
Trichloroethene	240	E	0.50	µg/L	1	06/04/2010 2:02	52053
Toluene	ND		0.50	µg/L	1	06/04/2010 2:02	52053
1,1,2-Trichloroethane	ND		0.50	µg/L	1	06/04/2010 2:02	52053
Tetrachloroethene	ND		0.50	µg/L	1	06/04/2010 2:02	52053
Chlorobenzene	ND		0.50	µg/L	1	06/04/2010 2:02	52053
Ethylbenzene	ND		0.50	µg/L	1	06/04/2010 2:02	52053
m,p-Xylene	ND		0.50	µg/L	1	06/04/2010 2:02	52053
o-Xylene	ND		0.50	µg/L	1	06/04/2010 2:02	52053
Surrogate: Dibromofluoromethane	92.1		88-124	%REC	1	06/04/2010 2:02	52053
Surrogate: 1,2-Dichloroethane-d4	85.4		79-115	%REC	1	06/04/2010 2:02	52053
Surrogate: Toluene-d8	88.3		80-114	%REC	1	06/04/2010 2:02	52053
Surrogate: Bromofluorobenzene	105		60-123	%REC	1	06/04/2010 2:02	52053

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: MW-7S
Lab ID: J1115-06
Project: NOW Corp. Site
Collection Date: 05/25/10 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		8.0	µg/L	16	06/04/2010 13:40	52054
Chloroethane	ND		8.0	µg/L	16	06/04/2010 13:40	52054
1,1-Dichloroethene	ND		8.0	µg/L	16	06/04/2010 13:40	52054
trans-1,2-Dichloroethene	ND		8.0	µg/L	16	06/04/2010 13:40	52054
Methyl tert-butyl ether	ND		8.0	µg/L	16	06/04/2010 13:40	52054
1,1-Dichloroethane	ND		8.0	µg/L	16	06/04/2010 13:40	52054
cis-1,2-Dichloroethene	32		8.0	µg/L	16	06/04/2010 13:40	52054
1,1,1-Trichloroethane	12		8.0	µg/L	16	06/04/2010 13:40	52054
1,2-Dichloroethane	ND		8.0	µg/L	16	06/04/2010 13:40	52054
Benzene	ND		8.0	µg/L	16	06/04/2010 13:40	52054
Trichloroethene	260		8.0	µg/L	16	06/04/2010 13:40	52054
Toluene	ND		8.0	µg/L	16	06/04/2010 13:40	52054
1,1,2-Trichloroethane	ND		8.0	µg/L	16	06/04/2010 13:40	52054
Tetrachloroethene	ND		8.0	µg/L	16	06/04/2010 13:40	52054
Chlorobenzene	ND		8.0	µg/L	16	06/04/2010 13:40	52054
Ethylbenzene	ND		8.0	µg/L	16	06/04/2010 13:40	52054
m,p-Xylene	ND		8.0	µg/L	16	06/04/2010 13:40	52054
o-Xylene	ND		8.0	µg/L	16	06/04/2010 13:40	52054
Surrogate: Dibromofluoromethane	93.9		88-124	%REC	16	06/04/2010 13:40	52054
Surrogate: 1,2-Dichloroethane-d4	89.6		79-115	%REC	16	06/04/2010 13:40	52054
Surrogate: Toluene-d8	94.7		80-114	%REC	16	06/04/2010 13:40	52054
Surrogate: Bromofluorobenzene	106		60-123	%REC	16	06/04/2010 13:40	52054

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: MW-7D
Lab ID: J1115-07

Project: NOW Corp. Site
Collection Date: 05/25/10 11:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS (25 mL Purge)							**SW8260_25_W**
Vinyl chloride	ND		0.50	µg/L	1	06/04/2010 2:31	52053
Chloroethane	ND		0.50	µg/L	1	06/04/2010 2:31	52053
1,1-Dichloroethene	0.93		0.50	µg/L	1	06/04/2010 2:31	52053
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	06/04/2010 2:31	52053
Methyl tert-butyl ether	ND		0.50	µg/L	1	06/04/2010 2:31	52053
1,1-Dichloroethane	5.9		0.50	µg/L	1	06/04/2010 2:31	52053
cis-1,2-Dichloroethene	6.4		0.50	µg/L	1	06/04/2010 2:31	52053
1,1,1-Trichloroethane	5.4		0.50	µg/L	1	06/04/2010 2:31	52053
1,2-Dichloroethane	ND		0.50	µg/L	1	06/04/2010 2:31	52053
Benzene	ND		0.50	µg/L	1	06/04/2010 2:31	52053
Trichloroethene	150	E	0.50	µg/L	1	06/04/2010 2:31	52053
Toluene	ND		0.50	µg/L	1	06/04/2010 2:31	52053
1,1,2-Trichloroethane	ND		0.50	µg/L	1	06/04/2010 2:31	52053
Tetrachloroethene	ND		0.50	µg/L	1	06/04/2010 2:31	52053
Chlorobenzene	ND		0.50	µg/L	1	06/04/2010 2:31	52053
Ethylbenzene	ND		0.50	µg/L	1	06/04/2010 2:31	52053
m,p-Xylene	ND		0.50	µg/L	1	06/04/2010 2:31	52053
o-Xylene	ND		0.50	µg/L	1	06/04/2010 2:31	52053
Surrogate: Dibromofluoromethane	90.8		88-124	%REC	1	06/04/2010 2:31	52053
Surrogate: 1,2-Dichloroethane-d4	89.8		79-115	%REC	1	06/04/2010 2:31	52053
Surrogate: Toluene-d8	92.5		80-114	%REC	1	06/04/2010 2:31	52053
Surrogate: Bromofluorobenzene	107		60-123	%REC	1	06/04/2010 2:31	52053

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: MW-7D
Lab ID: J1115-07

Project: NOW Corp. Site
Collection Date: 05/25/10 11:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS (25 mL Purge)							**SW8260_25_W**
Vinyl chloride	ND		4.0	µg/L	8	06/04/2010 14:09	52054
Chloroethane	ND		4.0	µg/L	8	06/04/2010 14:09	52054
1,1-Dichloroethene	ND		4.0	µg/L	8	06/04/2010 14:09	52054
trans-1,2-Dichloroethene	ND		4.0	µg/L	8	06/04/2010 14:09	52054
Methyl tert-butyl ether	ND		4.0	µg/L	8	06/04/2010 14:09	52054
1,1-Dichloroethane	5.8		4.0	µg/L	8	06/04/2010 14:09	52054
cis-1,2-Dichloroethene	6.6		4.0	µg/L	8	06/04/2010 14:09	52054
1,1,1-Trichloroethane	4.6		4.0	µg/L	8	06/04/2010 14:09	52054
1,2-Dichloroethane	ND		4.0	µg/L	8	06/04/2010 14:09	52054
Benzene	ND		4.0	µg/L	8	06/04/2010 14:09	52054
Trichloroethene	150		4.0	µg/L	8	06/04/2010 14:09	52054
Toluene	ND		4.0	µg/L	8	06/04/2010 14:09	52054
1,1,2-Trichloroethane	ND		4.0	µg/L	8	06/04/2010 14:09	52054
Tetrachloroethene	ND		4.0	µg/L	8	06/04/2010 14:09	52054
Chlorobenzene	ND		4.0	µg/L	8	06/04/2010 14:09	52054
Ethylbenzene	ND		4.0	µg/L	8	06/04/2010 14:09	52054
m,p-Xylene	ND		4.0	µg/L	8	06/04/2010 14:09	52054
o-Xylene	ND		4.0	µg/L	8	06/04/2010 14:09	52054
Surrogate: Dibromofluoromethane	93.1		88-124	%REC	8	06/04/2010 14:09	52054
Surrogate: 1,2-Dichloroethane-d4	94.3		79-115	%REC	8	06/04/2010 14:09	52054
Surrogate: Toluene-d8	99.0		80-114	%REC	8	06/04/2010 14:09	52054
Surrogate: Bromofluorobenzene	110		60-123	%REC	8	06/04/2010 14:09	52054

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: DUP-1
Lab ID: J1115-08

Project: NOW Corp. Site
Collection Date: 05/25/10 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	06/04/2010 3:00	52053
Chloroethane	ND		0.50	µg/L	1	06/04/2010 3:00	52053
1,1-Dichloroethene	1.2		0.50	µg/L	1	06/04/2010 3:00	52053
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	06/04/2010 3:00	52053
Methyl tert-butyl ether	ND		0.50	µg/L	1	06/04/2010 3:00	52053
1,1-Dichloroethane	5.7		0.50	µg/L	1	06/04/2010 3:00	52053
cis-1,2-Dichloroethene	5.9		0.50	µg/L	1	06/04/2010 3:00	52053
1,1,1-Trichloroethane	5.3		0.50	µg/L	1	06/04/2010 3:00	52053
1,2-Dichloroethane	ND		0.50	µg/L	1	06/04/2010 3:00	52053
Benzene	ND		0.50	µg/L	1	06/04/2010 3:00	52053
Trichloroethene	150	E	0.50	µg/L	1	06/04/2010 3:00	52053
Toluene	ND		0.50	µg/L	1	06/04/2010 3:00	52053
1,1,2-Trichloroethane	ND		0.50	µg/L	1	06/04/2010 3:00	52053
Tetrachloroethene	ND		0.50	µg/L	1	06/04/2010 3:00	52053
Chlorobenzene	ND		0.50	µg/L	1	06/04/2010 3:00	52053
Ethylbenzene	ND		0.50	µg/L	1	06/04/2010 3:00	52053
m,p-Xylene	ND		0.50	µg/L	1	06/04/2010 3:00	52053
o-Xylene	ND		0.50	µg/L	1	06/04/2010 3:00	52053
Surrogate: Dibromofluoromethane	92.3		88-124	%REC	1	06/04/2010 3:00	52053
Surrogate: 1,2-Dichloroethane-d4	86.7		79-115	%REC	1	06/04/2010 3:00	52053
Surrogate: Toluene-d8	92.9		80-114	%REC	1	06/04/2010 3:00	52053
Surrogate: Bromofluorobenzene	111		60-123	%REC	1	06/04/2010 3:00	52053

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: DUP-1
Lab ID: J1115-08

Project: NOW Corp. Site
Collection Date: 05/25/10 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		5.0	µg/L	10	06/04/2010 14:38	52054
Chloroethane	ND		5.0	µg/L	10	06/04/2010 14:38	52054
1,1-Dichloroethene	ND		5.0	µg/L	10	06/04/2010 14:38	52054
trans-1,2-Dichloroethene	ND		5.0	µg/L	10	06/04/2010 14:38	52054
Methyl tert-butyl ether	ND		5.0	µg/L	10	06/04/2010 14:38	52054
1,1-Dichloroethane	5.9		5.0	µg/L	10	06/04/2010 14:38	52054
cis-1,2-Dichloroethene	7.0		5.0	µg/L	10	06/04/2010 14:38	52054
1,1,1-Trichloroethane	5.7		5.0	µg/L	10	06/04/2010 14:38	52054
1,2-Dichloroethane	ND		5.0	µg/L	10	06/04/2010 14:38	52054
Benzene	ND		5.0	µg/L	10	06/04/2010 14:38	52054
Trichloroethene	160		5.0	µg/L	10	06/04/2010 14:38	52054
Toluene	ND		5.0	µg/L	10	06/04/2010 14:38	52054
1,1,2-Trichloroethane	ND		5.0	µg/L	10	06/04/2010 14:38	52054
Tetrachloroethene	ND		5.0	µg/L	10	06/04/2010 14:38	52054
Chlorobenzene	ND		5.0	µg/L	10	06/04/2010 14:38	52054
Ethylbenzene	ND		5.0	µg/L	10	06/04/2010 14:38	52054
m,p-Xylene	ND		5.0	µg/L	10	06/04/2010 14:38	52054
o-Xylene	ND		5.0	µg/L	10	06/04/2010 14:38	52054
Surrogate: Dibromofluoromethane	92.4		88-124	%REC	10	06/04/2010 14:38	52054
Surrogate: 1,2-Dichloroethane-d4	100		79-115	%REC	10	06/04/2010 14:38	52054
Surrogate: Toluene-d8	95.3		80-114	%REC	10	06/04/2010 14:38	52054
Surrogate: Bromofluorobenzene	107		60-123	%REC	10	06/04/2010 14:38	52054

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: MW-4S
Lab ID: J1115-09
Project: NOW Corp. Site
Collection Date: 05/25/10 13:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS (25 mL Purge)							**SW8260_25_W**
Vinyl chloride	ND		0.50	µg/L	1	06/04/2010 3:28	52053
Chloroethane	1.4		0.50	µg/L	1	06/04/2010 3:28	52053
1,1-Dichloroethene	ND		0.50	µg/L	1	06/04/2010 3:28	52053
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	06/04/2010 3:28	52053
Methyl tert-butyl ether	ND		0.50	µg/L	1	06/04/2010 3:28	52053
1,1-Dichloroethane	2.0		0.50	µg/L	1	06/04/2010 3:28	52053
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	06/04/2010 3:28	52053
1,1,1-Trichloroethane	ND		0.50	µg/L	1	06/04/2010 3:28	52053
1,2-Dichloroethane	ND		0.50	µg/L	1	06/04/2010 3:28	52053
Benzene	ND		0.50	µg/L	1	06/04/2010 3:28	52053
Trichloroethene	ND		0.50	µg/L	1	06/04/2010 3:28	52053
Toluene	ND		0.50	µg/L	1	06/04/2010 3:28	52053
1,1,2-Trichloroethane	ND		0.50	µg/L	1	06/04/2010 3:28	52053
Tetrachloroethene	ND		0.50	µg/L	1	06/04/2010 3:28	52053
Chlorobenzene	ND		0.50	µg/L	1	06/04/2010 3:28	52053
Ethylbenzene	ND		0.50	µg/L	1	06/04/2010 3:28	52053
m,p-Xylene	ND		0.50	µg/L	1	06/04/2010 3:28	52053
o-Xylene	ND		0.50	µg/L	1	06/04/2010 3:28	52053
Surrogate: Dibromofluoromethane	91.4		88-124	%REC	1	06/04/2010 3:28	52053
Surrogate: 1,2-Dichloroethane-d4	91.6		79-115	%REC	1	06/04/2010 3:28	52053
Surrogate: Toluene-d8	94.4		80-114	%REC	1	06/04/2010 3:28	52053
Surrogate: Bromofluorobenzene	109		60-123	%REC	1	06/04/2010 3:28	52053

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *10-Jun-10*

Client: AECOM Technical Services, Inc.
Client Sample ID: TRIP BLANK
Lab ID: J1115-10
Project: NOW Corp. Site
Collection Date: 05/25/10 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	06/03/2010 23:08	52053
Chloroethane	ND		0.50	µg/L	1	06/03/2010 23:08	52053
1,1-Dichloroethene	ND		0.50	µg/L	1	06/03/2010 23:08	52053
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	06/03/2010 23:08	52053
Methyl tert-butyl ether	ND		0.50	µg/L	1	06/03/2010 23:08	52053
1,1-Dichloroethane	ND		0.50	µg/L	1	06/03/2010 23:08	52053
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	06/03/2010 23:08	52053
1,1,1-Trichloroethane	ND		0.50	µg/L	1	06/03/2010 23:08	52053
1,2-Dichloroethane	ND		0.50	µg/L	1	06/03/2010 23:08	52053
Benzene	ND		0.50	µg/L	1	06/03/2010 23:08	52053
Trichloroethene	ND		0.50	µg/L	1	06/03/2010 23:08	52053
Toluene	ND		0.50	µg/L	1	06/03/2010 23:08	52053
1,1,2-Trichloroethane	ND		0.50	µg/L	1	06/03/2010 23:08	52053
Tetrachloroethene	ND		0.50	µg/L	1	06/03/2010 23:08	52053
Chlorobenzene	ND		0.50	µg/L	1	06/03/2010 23:08	52053
Ethylbenzene	ND		0.50	µg/L	1	06/03/2010 23:08	52053
m,p-Xylene	ND		0.50	µg/L	1	06/03/2010 23:08	52053
o-Xylene	ND		0.50	µg/L	1	06/03/2010 23:08	52053
Surrogate: Dibromofluoromethane	92.8		88-124	%REC	1	06/03/2010 23:08	52053
Surrogate: 1,2-Dichloroethane-d4	91.3		79-115	%REC	1	06/03/2010 23:08	52053
Surrogate: Toluene-d8	97.1		80-114	%REC	1	06/03/2010 23:08	52053
Surrogate: Bromofluorobenzene	109		60-123	%REC	1	06/03/2010 23:08	52053

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

CLIENT: AECOM Technical Services, Inc.
Work Order: J1115
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: **MB-52053** SampType: **MBLK** TestCode: **SW8260_25_W** Prep Date: **06/03/10 13:59** Run ID: **V5_100603B**
Client ID: **MB-52053** Batch ID: **52053** Units: **µg/L** Analysis Date: **06/03/10 17:50** SeqNo: **1306079**

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.077	0.50									
Chloroethane	ND	0.42	0.50									
1,1-Dichloroethene	ND	0.22	0.50									
trans-1,2-Dichloroethene	ND	0.14	0.50									
Methyl tert-butyl ether	ND	0.090	0.50									
1,1-Dichloroethane	ND	0.14	0.50									
cis-1,2-Dichloroethene	ND	0.10	0.50									
1,1,1-Trichloroethane	ND	0.14	0.50									
1,2-Dichloroethane	ND	0.12	0.50									
Benzene	ND	0.13	0.50									
Trichloroethene	ND	0.12	0.50									
Toluene	ND	0.095	0.50									
1,1,2-Trichloroethane	ND	0.090	0.50									
Tetrachloroethene	ND	0.11	0.50									
Chlorobenzene	ND	0.096	0.50									
Ethylbenzene	ND	0.074	0.50									
m,p-Xylene	ND	0.19	0.50									
o-Xylene	ND	0.083	0.50									
Surrogate: Dibromofluoromethane	9.239	0	0.50	10.00	0	92.4	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.504	0	0.50	10.00	0	95.0	79	115	0			
Surrogate: Toluene-d8	9.576	0	0.50	10.00	0	95.8	80	114	0			
Surrogate: Bromofluorobenzene	11.01	0	0.50	10.00	0	110	60	123	0			

SDG

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

CLIENT: AECOM Technical Services, Inc.
Work Order: J1115
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: **LCS-52053** SampType: **LCS** TestCode: **SW8260_25_W** Prep Date: **06/03/10 13:59** Run ID: **V5_100603B**
Client ID: **LCS-52053** Batch ID: **52053** Units: **µg/L** Analysis Date: **06/03/10 16:51** SeqNo: **1306077**

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	11.57	0.077	0.50	10.00	0	116	77	120	0			
Chloroethane	10.71	0.42	0.50	10.00	0	107	75	135	0			
1,1-Dichloroethene	9.373	0.22	0.50	10.00	0	93.7	81	125	0			
trans-1,2-Dichloroethene	9.334	0.14	0.50	10.00	0	93.3	60	137	0			
Methyl tert-butyl ether	9.103	0.090	0.50	10.00	0	91.0	61	134	0			
1,1-Dichloroethane	9.455	0.14	0.50	10.00	0	94.6	82	120	0			
cis-1,2-Dichloroethene	8.795	0.10	0.50	10.00	0	88.0	84	116	0			
1,1,1-Trichloroethane	9.522	0.14	0.50	10.00	0	95.2	80	124	0			
1,2-Dichloroethane	9.086	0.12	0.50	10.00	0	90.9	86	117	0			
Benzene	10.40	0.13	0.50	10.00	0	104	81	121	0			
Trichloroethene	10.06	0.12	0.50	10.00	0	101	74	123	0			
Toluene	10.51	0.095	0.50	10.00	0	105	88	117	0			
1,1,2-Trichloroethane	9.302	0.090	0.50	10.00	0	93.0	83	121	0			
Tetrachloroethene	8.698	0.11	0.50	10.00	0	87.0	74	115	0			
Chlorobenzene	9.497	0.096	0.50	10.00	0	95.0	83	112	0			
Ethylbenzene	10.30	0.074	0.50	10.00	0	103	87	110	0			
m,p-Xylene	20.25	0.19	0.50	20.00	0	101	87	114	0			
o-Xylene	10.05	0.083	0.50	10.00	0	101	84	114	0			
Surrogate: Dibromofluoromethane	9.629	0	0.50	10.00	0	96.3	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.087	0	0.50	10.00	0	90.9	79	115	0			
Surrogate: Toluene-d8	9.625	0	0.50	10.00	0	96.2	80	114	0			
Surrogate: Bromofluorobenzene	10.39	0	0.50	10.00	0	104	60	123	0			

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: J1115
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: **LCSD-52053** SampType: **LCSD** TestCode: **SW8260_25_W** Prep Date: **06/03/10 13:59** Run ID: **V5_100603B**
Client ID: **LCSD-52053** Batch ID: **52053** Units: **µg/L** Analysis Date: **06/03/10 17:21** SeqNo: **1306078**

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	11.64	0.077	0.50	10.00	0	116	77	120	11.57	0.575	40	
Chloroethane	10.87	0.42	0.50	10.00	0	109	75	135	10.71	1.48	40	
1,1-Dichloroethene	9.503	0.22	0.50	10.00	0	95.0	81	125	9.373	1.38	40	
trans-1,2-Dichloroethene	10.66	0.14	0.50	10.00	0	107	60	137	9.334	13.2	40	
Methyl tert-butyl ether	10.19	0.090	0.50	10.00	0	102	61	134	9.103	11.3	40	
1,1-Dichloroethane	10.71	0.14	0.50	10.00	0	107	82	120	9.455	12.4	40	
cis-1,2-Dichloroethene	10.40	0.10	0.50	10.00	0	104	84	116	8.795	16.7	40	
1,1,1-Trichloroethane	10.93	0.14	0.50	10.00	0	109	80	124	9.522	13.8	40	
1,2-Dichloroethane	10.24	0.12	0.50	10.00	0	102	86	117	9.086	12	40	
Benzene	11.59	0.13	0.50	10.00	0	116	81	121	10.40	10.8	40	
Trichloroethene	11.82	0.12	0.50	10.00	0	118	74	123	10.06	16	40	
Toluene	11.75	0.095	0.50	10.00	0	118	88	117	10.51	11.1	40	S
1,1,2-Trichloroethane	10.41	0.090	0.50	10.00	0	104	83	121	9.302	11.3	40	
Tetrachloroethene	9.013	0.11	0.50	10.00	0	90.1	74	115	8.698	3.56	40	
Chlorobenzene	10.55	0.096	0.50	10.00	0	106	83	112	9.497	10.5	40	
Ethylbenzene	11.05	0.074	0.50	10.00	0	110	87	110	10.30	6.98	40	S
m,p-Xylene	21.87	0.19	0.50	20.00	0	109	87	114	20.25	7.72	40	
o-Xylene	11.00	0.083	0.50	10.00	0	110	84	114	10.05	8.99	40	
Surrogate: Dibromofluoromethane	9.753	0	0.50	10.00	0	97.5	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	8.711	0	0.50	10.00	0	87.1	79	115	0			
Surrogate: Toluene-d8	9.746	0	0.50	10.00	0	97.5	80	114	0			
Surrogate: Bromofluorobenzene	10.36	0	0.50	10.00	0	104	60	123	0			

S 6 2 8

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: J1115
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: **MB-52054** SampType: **MBLK** TestCode: **SW8260_25_W** Prep Date: **06/03/10 14:00** Run ID: **V5_100604A**
Client ID: **MB-52054** Batch ID: **52054** Units: **µg/L** Analysis Date: **06/04/10 11:45** SeqNo: **1308465**

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.077	0.50									
Chloroethane	ND	0.42	0.50									
1,1-Dichloroethene	ND	0.22	0.50									
trans-1,2-Dichloroethene	ND	0.14	0.50									
Methyl tert-butyl ether	ND	0.090	0.50									
1,1-Dichloroethane	ND	0.14	0.50									
cis-1,2-Dichloroethene	ND	0.10	0.50									
1,1,1-Trichloroethane	ND	0.14	0.50									
1,2-Dichloroethane	ND	0.12	0.50									
Benzene	ND	0.13	0.50									
Trichloroethene	ND	0.12	0.50									
Toluene	ND	0.095	0.50									
1,1,2-Trichloroethane	ND	0.090	0.50									
Tetrachloroethene	ND	0.11	0.50									
Chlorobenzene	ND	0.096	0.50									
Ethylbenzene	ND	0.074	0.50									
m,p-Xylene	ND	0.19	0.50									
o-Xylene	ND	0.083	0.50									
Surrogate: Dibromofluoromethane	9.390	0	0.50	10.00	0	93.9	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.503	0	0.50	10.00	0	95.0	79	115	0			
Surrogate: Toluene-d8	9.475	0	0.50	10.00	0	94.8	80	114	0			
Surrogate: Bromofluorobenzene	10.53	0	0.50	10.00	0	105	60	123	0			

SGS

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

CLIENT: AECOM Technical Services, Inc.
Work Order: J1115
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: **LCS-52054** SampType: **LCS** TestCode: **SW8260_25_W** Prep Date: **06/03/10 14:00** Run ID: **V5_100604A**
Client ID: **LCS-52054** Batch ID: **52054** Units: **µg/L** Analysis Date: **06/04/10 10:47** SeqNo: **1308463**

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	12.21	0.077	0.50	10.00	0	122	77	120	0			S
Chloroethane	10.82	0.42	0.50	10.00	0	108	75	135	0			
1,1-Dichloroethene	9.526	0.22	0.50	10.00	0	95.3	81	125	0			
trans-1,2-Dichloroethene	10.00	0.14	0.50	10.00	0	100	60	137	0			
Methyl tert-butyl ether	9.687	0.090	0.50	10.00	0	96.9	61	134	0			
1,1-Dichloroethane	11.03	0.14	0.50	10.00	0	110	82	120	0			
cis-1,2-Dichloroethene	9.704	0.10	0.50	10.00	0	97.0	84	116	0			
1,1,1-Trichloroethane	10.74	0.14	0.50	10.00	0	107	80	124	0			
1,2-Dichloroethane	10.30	0.12	0.50	10.00	0	103	86	117	0			
Benzene	11.42	0.13	0.50	10.00	0	114	81	121	0			
Trichloroethene	11.08	0.12	0.50	10.00	0	111	74	123	0			
Toluene	11.49	0.095	0.50	10.00	0	115	88	117	0			
1,1,2-Trichloroethane	10.10	0.090	0.50	10.00	0	101	83	121	0			
Tetrachloroethene	9.558	0.11	0.50	10.00	0	95.6	74	115	0			
Chlorobenzene	9.826	0.096	0.50	10.00	0	98.3	83	112	0			
Ethylbenzene	10.69	0.074	0.50	10.00	0	107	87	110	0			
m,p-Xylene	21.69	0.19	0.50	20.00	0	108	87	114	0			
o-Xylene	10.40	0.083	0.50	10.00	0	104	84	114	0			
Surrogate: Dibromofluoromethane	9.345	0	0.50	10.00	0	93.4	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.398	0	0.50	10.00	0	94.0	79	115	0			
Surrogate: Toluene-d8	9.560	0	0.50	10.00	0	95.6	80	114	0			
Surrogate: Bromofluorobenzene	10.27	0	0.50	10.00	0	103	60	123	0			

052

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: J1115
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: **LCSD-52054** SampType: **LCSD** TestCode: **SW8260_25_W** Prep Date: **06/03/10 14:00** Run ID: **V5_100604A**
Client ID: **LCSD-52054** Batch ID: **52054** Units: **µg/L** Analysis Date: **06/04/10 11:15** SeqNo: **1308464**

Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	11.40	0.077	0.50	10.00	0	114	77	120	12.21	6.94	40	
Chloroethane	10.07	0.42	0.50	10.00	0	101	75	135	10.82	7.14	40	
1,1-Dichloroethene	8.975	0.22	0.50	10.00	0	89.7	81	125	9.526	5.96	40	
trans-1,2-Dichloroethene	9.634	0.14	0.50	10.00	0	96.3	60	137	10.00	3.78	40	
Methyl tert-butyl ether	9.576	0.090	0.50	10.00	0	95.8	61	134	9.687	1.15	40	
1,1-Dichloroethane	10.43	0.14	0.50	10.00	0	104	82	120	11.03	5.54	40	
cis-1,2-Dichloroethene	9.754	0.10	0.50	10.00	0	97.5	84	116	9.704	0.512	40	
1,1,1-Trichloroethane	10.25	0.14	0.50	10.00	0	102	80	124	10.74	4.7	40	
1,2-Dichloroethane	9.735	0.12	0.50	10.00	0	97.4	86	117	10.30	5.61	40	
Benzene	11.22	0.13	0.50	10.00	0	112	81	121	11.42	1.75	40	
Trichloroethene	11.07	0.12	0.50	10.00	0	111	74	123	11.08	0.0365	40	
Toluene	11.30	0.095	0.50	10.00	0	113	88	117	11.49	1.6	40	
1,1,2-Trichloroethane	9.524	0.090	0.50	10.00	0	95.2	83	121	10.10	5.84	40	
Tetrachloroethene	9.118	0.11	0.50	10.00	0	91.2	74	115	9.558	4.71	40	
Chlorobenzene	9.856	0.096	0.50	10.00	0	98.6	83	112	9.826	0.306	40	
Ethylbenzene	10.28	0.074	0.50	10.00	0	103	87	110	10.69	3.9	40	
m,p-Xylene	20.74	0.19	0.50	20.00	0	104	87	114	21.69	4.47	40	
o-Xylene	10.18	0.083	0.50	10.00	0	102	84	114	10.40	2.16	40	
Surrogate: Dibromofluoromethane	9.415	0	0.50	10.00	0	94.2	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	8.915	0	0.50	10.00	0	89.1	79	115	0			
Surrogate: Toluene-d8	9.748	0	0.50	10.00	0	97.5	80	114	0			
Surrogate: Bromofluorobenzene	10.36	0	0.50	10.00	0	104	60	123	0			

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

WorkOrder: J1115

05/28/2010 09:05

Mitkem Laboratories

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

Case:
SDG:
PO: 94017.02

HC Due: 06/15/10
Fax Due:
Fax Report: ☐

Report Level: LEVEL 2
Special Program:
EDD:

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J1115-01A	MW-12S	05/25/2010 08:55	05/28/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1115-02A	MW-12D	05/25/2010 09:05	05/28/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1115-03A	MW-6S	05/25/2010 09:45	05/28/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1115-04A	MW-6D	05/25/2010 10:10	05/28/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1115-05A	MW-1	05/25/2010 10:50	05/28/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1115-06A	MW-7S	05/25/2010 11:20	05/28/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1115-07A	MW-7D	05/25/2010 11:30	05/28/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1115-08A	DUP-1	05/25/2010 00:00	05/28/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1115-09A	MW-4S	05/25/2010 13:40	05/28/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1115-10A	TRIP BLANK	05/25/2010 00:00	05/28/2010	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

Lab Client Rep: Edward A Lawler

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM Environment
40 British American Blvd
Latham, NY 12110

Telephone #: 518-951-2200
Project Mgr. Steve Holmere

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 60135712.02
Site Name: Now Corp
Location: Stattsburg State: NY
Sampler(s): CMV + SRG

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= _____ 10= _____ 11= _____

List preservative code below: 2

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= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8260
J1115-01	MW-12S	5/25/10	855	G	GW	2				X
-02	MW-12D		905							X
-03	MW-6S		945							X
-04	MW-6D		1010							X
-05	MW-1		1050							X
-06	MW-7S		1120							X
-07	MW-7D		1130							X
-08	DUP-1		—							X
-09	MW-4S		1340							X
J1115-10	Trip Blank	—	—							X

Relinquished by:	Received by:	Date:	Time:	Temp°C
		5/25/10	1600	
	Veronica Gaudin	5/28/10	8:28	2°C

- [ ] Provide MA DEP MCP CAM Report
- [ ] Provide CT DPH RCP Report

QA/QC Reporting Level
- [ ] Standard [ ] No QC
- [ ] Other _____

State specific reporting standards: _____

- [ ] EDD Format _____
- [ ] E-mail to _____

[ ] Ambient [ ] Iced [ ] Refrigerated [ ] Fridge temp ___ °C [ ] Freezer temp ___ °C

0025

MITKEM LABORATORIES
Sample Condition Form

Received By: VEG	Reviewed By: CAW	Date: 5/28/10	Mitkem Work Order #: J1115
Client Project: NOW Corp		Client: Earth-NY	

1) Cooler Sealed — (Yes) / No

2) Custody Seal(s) — (Present) / Absent; (Coolers) / Bottles; (Intact) / Broken

3) Custody Seal Number(s): NA

4) Chain-of-Custody — (Present) / Absent

5) Cooler Temperature: 2°C

IR Temp Gun ID: MT-1

Coolant Condition: ICE

6) Airbill(s) — (Present) / Absent

Airbill Number(s): FedEx 8659 9903 0608

7) Samples Bottles — (Intact) / Broken / Leaking

8) Date Received: 5/28/10

9) Time Received: ~~8:3~~ 8:28 VEG 5/28/10

Preservative Name/Lot No.:

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	H_3PO_4	VOA Matrix	Soil Headspace or Air Bubble ≥ 1/4"
J1115	01						H	
	02							
	03							
	04							
	05							
	06							
	07							
	08							
	09							
J1115	10						H	

VEG 5/28/10

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)

Form ID: QAF.0006

Rad OK yes / no

Last Page of Data Report