

**Operation, Maintenance and Monitoring Report  
May 2009**

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

**Work Assignment No.  
D004445-4.1**

Prepared for:

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

Prepared by:

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

July 2009

July 9, 2009

Mr. Carl Hoffman, P.E.  
NYSDEC Division of Environmental Remediation  
625 Broadway, 12<sup>th</sup> Floor  
Albany, New York 12233-7013

**Re: NOW Corporation - Site #3-14-008  
O&M Summary Report: "May" 2009**

Dear Mr. Hoffman:

This monthly summary report describes the operation, monitoring and maintenance (OM&M) of the remedial system at the NOW Corporation site in the Town of Clinton, New York, for a 29-day period (**April 20 to May 19, 2009**), 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 773,000 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 26,600 gallons per day (gpd). During the prior reporting period, the average discharge was 28,500 gpd.

As of the last day of the reporting period, a total of 70,526,000 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 19, 2009. **There were no exceedances of effluent limitations.** A copy of the laboratory data report is incorporated in this document. Table 2 presents selected operational data recorded on the sampling date. Table 3 presents the water level measurements taken on May 19, 2009. Table 4 summarizes groundwater analytical results from the monitoring well sampling event conducted on April 27, 2009.

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

April 27 – Annual monitoring well sampling event. The event was reduced in scope from previous sampling events (fewer wells).

May 19 – Monthly system inspection and influent/effluent water sampling. Reset discharge rates on submersible pumps. Removed building fire extinguisher for annual inspection. Performed quarterly monitoring well water level measurements.

Historical groundwater analytical results from 17 monitoring wells, and "current" results from eight wells are presented in Table 4, including the first two annual sets of results from newly installed wells MW-12S and MW-12D. With the exception of these new wells (located near the Garden Center), monitoring well locations are shown on Figure 1. Six wells exhibit impacts at levels exceeding state groundwater standards (MW-1, 6S, 6D, 7S, 7D and 12D). The dominant contaminant in four of these wells is TCE; 1,1-DCA dominates in MW-

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Mr. Carl Hoffman  
NYSDEC

6D and MW-12D.

During the last three annual sampling events, total VOCs (tVOC) at MW-1 have ranged between 97 ug/L and 109 ug/L. TVOCs in this well were detected at 256 ug/L in 1993.

Likewise, VOC concentrations observed in MW-6S have remained in a fairly tight range (26 – 41 ug/L) in the last three events. The 1993 results at this well were 1,408 ug/L of total VOCs.

MW-6D continued to show relative stability of VOC concentrations, varying between 20 and 36 ug/L during the last three sampling events. The tVOC concentration in a sample collected in 1994 was reported at 313 ug/L.

During the previous sampling event (i.e., May 2008), monitoring well MW-7S exhibited tVOC concentrations at the highest reported value since 1998. MW-7D reported a tVOC concentration in 2008 that was the highest reported concentration since 2004. During the current event, tVOC concentrations decreased significantly from the May 2008 values, reporting tVOC concentrations of 88 ug/L at MW-7S and 144 ug/L at MW-7D. The result at MW-7S was the lowest ever; the MW-7D result was the second lowest tVOC concentration reported for the well.

MW-12S has reported only one detection of VOCs in the two sampling events conducted (0.31J ug/L of toluene in May 2008). MW-12D reported a tVOC concentration of 34 ug/L and 16 ug/L in 2008 and 2009, respectively.

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 19, 2009**  
**NOW Corporation Site**  
**Town of Clinton, New York**

Analytes/ Parameters	Total Influent	Effluent	Recovery Wells			Effluent Limitations	
			TW-1	TW-2A	TW-3	(units)	
Quantity treated, per day		26,645				Monitor	gpd
pH	7.1	7.0	NA	NA	NA	6.5 to 8.5	standard units
Oil and Grease	<5.0	<5.0	NA	NA	NA	15	mg/L
Total Cyanide	<10	<10	NA	NA	NA	10	ug/L
TDS	<b>110</b>	<b>230</b>	NA	NA	NA	1000	mg/L
TSS	<b>9.0 J</b>	<b>12</b>	NA	NA	NA	50	mg/L
Aluminum, Total	<200	<200	NA	NA	NA	2000	ug/L
Arsenic, Total	<20	<20	NA	NA	NA	50	ug/L
Barium, Total	<b>66 J</b>	<b>67 J</b>	NA	NA	NA	2000	ug/L
Chromium	<20	<20	NA	NA	NA	100	ug/L
Copper	<25	<25	NA	NA	NA	24	ug/L
Iron	<200	<200	NA	NA	NA	600	ug/L
Mercury	<0.20	<0.20	NA	NA	NA	0.8	ug/L
Manganese	<b>94</b>	<b>61</b>	NA	NA	NA	600	ug/L
Nickel	<50	<50	NA	NA	NA	200	ug/L
Zinc	<b>21 BJ</b>	<b>23 BJ</b>	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	<b>250</b>	<0.50	<b>6</b>	<b>530</b>	<b>2.5</b>	5	ug/L
1,1,2-Trichloroethane	<b>0.34 J</b>	<0.50	<0.50	<b>0.37 J</b>	<0.50	1.2	ug/L
1,1-Dichloroethane	<b>80</b>	<0.50	<b>28</b>	<b>160</b>	<b>10</b>	5	ug/L
1,1-Dichloroethene	<b>6.7</b>	<0.50	<b>8.3</b>	<b>9.3</b>	<b>1</b>	0.5	ug/L
1,2-Dichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	ug/L
Benzene	<0.50	<0.50	<0.50	<0.50	<0.50	0.8	ug/L
Chlorobenzene	<0.50	<0.50	<0.50	<0.50	<0.50	5	ug/L
Chloroethane	<0.50	<0.50	<0.50	<0.50	<b>0.30 J</b>	5	ug/L
cis-1,2-Dichloroethene	<b>11</b>	<0.50	<b>6.4</b>	<b>17</b>	<b>0.23 J</b>	5	ug/L
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	5	ug/L
Methyl tert-butyl ether	<0.50	<0.50	<0.50	<0.50	<0.50	5	ug/L
o-Xylene	<0.50	<0.50	<0.50	<0.50	<0.50	5	ug/L
p&m-Xylene	<0.50	<0.50	<0.50	<0.50	<0.50	10	ug/L
Tetrachloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	ug/L
Toluene	<0.50	<0.50	<0.50	<0.50	<0.50	5	ug/L
trans-1,2-Dichloroethene	<0.50	<0.50	<0.50	<0.50	<0.50	5	ug/L
Trichloroethene	<b>220</b>	<0.50	<b>19</b>	<b>470</b>	<b>11</b>	5	ug/L
Vinyl Chloride	<0.50	<0.50	<0.50	<0.50	<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 2009 O&M Data**

**NOW Corporation Site**  
**Town of Clinton, New York**

<b>Instrumentation/Readings:</b>	<b>5/19/09</b>	<b>Units</b>
<i><b>TW-1</b></i>		
Pumping Rate	2	GPM
Water Level Above Transducer	23.07	feet
Flow Meter Reading	4,863,700	gallons
Pump Pressure	75	psi
<i><b>TW-2A</b></i>		
Pumping Rate	15	GPM
Water Level Above Transducer	45.00	feet
Flow Meter Reading	10,966,600	gallons
Pump Pressure	25	psi
<i><b>TW-3</b></i>		
Pumping Rate	3	GPM
Water Level Above Transducer	35.41	feet
Flow Meter Reading	6,734,900	gallons
Pump Pressure	67	psi
<i><b>Air Stripper</b></i>		
Stripper Blower Pressure	19	inches H <sub>2</sub> O
Air Temperature in Stripper	46	°F
Pressure Gauge - Left Leg	1	inches H <sub>2</sub> O
Pressure Gauge - Right Leg	0.6	inches H <sub>2</sub> O
<i><b>Effluent Flow</b></i>		
Effluent Flow this period (calculated)	772,700	gallons
Total Effluent Flow (calculated)	70,526,400	gallons

**Table 3**  
**May 2009 Groundwater Levels**

**NOW Corporation Site**  
**Town of Clinton, New York**

Well ID	MP Elevation	5/19/09	
		Depth to Water (Ft below MP)	GW Elevation
MW-1	289.50	9.71	279.79
MW-2	332.51	24.74	307.77
MW-3	312.83	23.35	289.48
MW-3S	312.51	21.09	291.42
MW-4	298.29	20.62	277.67
MW-4D	298.16	20.42	277.74
MW-5	285.48	17.88	267.60
MW-6S	287.90	3.82	284.08
MW-6D	287.25	6.10	281.15
MW-7S	292.12	17.09	275.03
MW-7D	292.54	43.34	249.20
OW-1	307.75	47.06	260.69
OW-2	305.96	68.89	237.07
OW-6	294.81	3.98	290.83
IW-1	312.46	25.78	286.68
IW-2	306.56	36.79	269.77

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

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

Analytes	MW-1										MW-2										
	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	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	<b>75</b>	<b>150</b>	<b>57</b>	<b>33</b>	<b>40</b>	<b>24</b>	<b>19</b>	<b>8.3</b>	<b>11</b>	<b>9</b>	<b>8.1</b>	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	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	<b>50</b>	<b>50</b>	<b>30</b>	<b>66</b>	<b>31</b>	<b>17</b>	<b>22</b>	<b>25</b>	<b>13</b>	<b>16</b>	<b>10</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	<b>6</b>	<b>6</b>	<b>5</b>	ND	ND	<b>3</b>	<b>4.5</b>	<b>6.1</b>	<b>2.9</b>	<b>2.8</b>	<b>1.4 J</b>	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	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	<b>8</b>	<b>6</b>	ND	ND	ND	<b>1.3</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	<b>27</b>	<b>32</b>	<b>20</b>	ND	<b>29</b>	<b>15</b>	<b>20</b>	<b>18</b>	<b>13</b>	<b>14</b>	<b>12</b>	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	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	<b>3</b>	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	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
Toluene	<b>2</b>	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>3</b>	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	<b>0.22 J</b>	<b>ND</b>	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	<b>88</b>	<b>200</b>	<b>100</b>	<b>130</b>	<b>120</b>	<b>80</b>	<b>79</b>	<b>56</b>	<b>56 D</b>	<b>67</b>	<b>68</b>	ND	<b>2</b>	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	N/A	<b>2</b>	<b>1</b>	ND	ND	ND	<b>1</b>	<b>1.1</b>	<b>1.4</b>	ND	ND	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND

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**

Analytes	MW-3D										MW-3S										
	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	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	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	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	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*	ND	N/A	ND	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	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	N/A	ND	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	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	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	<b>1</b>	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*	ND	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	<b>0.7</b>	<b>3</b>	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*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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- 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**

Analytes	MW-4S											MW-4D								
	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	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	<b>27</b>	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	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	<b>4</b>	<b>5</b>	ND	ND	<b>2.2</b>	<b>1.6</b>	<b>1</b>	<b>2.3</b>	<b>2.5</b>	<b>2.5/2.4*</b>	ND	ND	<b>68</b>	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/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*	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	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	<b>0.8</b>	<b>0.6</b>	<b>2.5</b>	ND	<b>1.5/1.4*</b>	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/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*	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	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	<b>1</b>	N/A	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*	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>0.31 J/ND*</b>	ND	ND	<b>100</b>	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

Notes:

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- 2) ND = Not Detected
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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.
- 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**

Analytes	MW-5										MW-6S											
	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	
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>710</b>	<b>510</b>	<b>23</b>	ND	<b>45</b>	<b>2.5</b>	<b>7.6</b>	<b>12</b>	<b>4</b>	<b>3.7</b>	<b>2.3</b>	
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	<b>0.38 J</b>	<b>57</b>	<b>39</b>	<b>3</b>	ND	<b>14</b>	ND	<b>2.7</b>	<b>4.3</b>	<b>1.3</b>	<b>1.9</b>	<b>0.93</b>	
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>11</b>	<b>3</b>	ND	ND	ND	ND	<b>1.3</b>	<b>1.1</b>	<b>0.38 J</b>	<b>0.91</b>	<b>0.33 J</b>	
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	<b>3</b>	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	<b>17</b>	<b>12</b>	<b>2</b>	ND	ND	ND	<b>0.9</b>	<b>2.2</b>	<b>0.69</b>	<b>0.49 J</b>	<b>0.38 J</b>	
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	<b>2</b>	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	<b>2</b>	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	<b>2</b>	ND	ND	ND	ND	ND	ND	ND	ND	<b>610</b>	<b>460</b>	<b>43</b>	ND	<b>160</b>	<b>25</b>	<b>47</b>	<b>57</b>	<b>21</b>	<b>34</b>	<b>22</b>	
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

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

Analytes	MW-6D										MW-7S							
	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	5/8/98	8/1/99	8/27/03	8/24/04	10/19/05	4/24/07	5/29/08	4/27/09
1,1,1-Trichloroethane	<b>160</b>	<b>13</b>	ND	<b>7</b>	<b>5.8</b>	<b>3</b>	<b>1.2</b>	<b>4.1</b>	<b>1.8</b>	<b>1.1</b>	<b>34</b>	N/A	<b>8.5/8.6*</b>	<b>13</b>	<b>12</b>	<b>5.4</b>	<b>2.9</b>	ND
1,1,2-Trichloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND/ND*	ND	ND	ND	ND	ND
1,1-Dichloroethane	<b>140</b>	<b>20</b>	<b>52</b>	ND	<b>16</b>	<b>26</b>	<b>26</b>	<b>17</b>	<b>18</b>	<b>11</b>	<b>11</b>	N/A	<b>3.2/3*</b>	<b>6.4</b>	<b>2.4</b>	<b>1.7</b>	<b>2.2</b>	ND
1,1-Dichloroethene	<b>1</b>	ND	ND	<b>30</b>	<b>1.1</b>	<b>1.9</b>	<b>1.6</b>	<b>1.7</b>	<b>1.6</b>	<b>0.64</b>	ND	N/A	ND/ND*	<b>0.9</b>	ND	ND	<b>0.51</b>	ND
1,2-Dichloroethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND/ND*	ND	ND	ND	ND	ND
Benzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND/ND*	ND	ND	ND	ND	ND
Chlorobenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND/ND*	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	<b>0.6</b>	<b>0.8</b>	<b>3.4</b>	ND	<b>0.94</b>	ND	N/A	ND/ND*	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	<b>0.7</b>	<b>2</b>	ND	ND	<b>1.5</b>	<b>1.4</b>	<b>1.2</b>	<b>1.2</b>	<b>1.1</b>	<b>0.95</b>	<b>17</b>	N/A	<b>20/20*</b>	<b>16</b>	<b>9</b>	<b>5.9</b>	<b>9.7</b>	<b>5.6</b>
Ethylbenzene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND/ND*	ND	ND	ND	ND	ND
m&p-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND/ND*	ND	ND	ND	ND	ND
o-Xylene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND/ND*	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND/ND*	ND	ND	ND	<b>0.26J</b>	ND
Toluene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND/ND*	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND/ND*	ND	ND	ND	ND	ND
Trichloroethene	<b>11</b>	<b>13</b>	<b>6</b>	<b>8</b>	<b>11</b>	<b>7.4</b>	<b>6.6</b>	<b>8.2</b>	<b>7.1</b>	<b>5.8</b>	<b>280</b>	N/A	<b>160/160*</b>	<b>190</b>	<b>160</b>	<b>91 D</b>	<b>230</b>	<b>82</b>
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	ND/ND*	ND	ND	ND	ND	ND

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- 7) J = denotes analytical result is an estimate.

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

Analytes	MW-7D									MW-8									
	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	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	<b>15</b>	N/A	<b>85</b>	<b>12</b>	21/22*	<b>5.6</b>	<b>2</b>	22/22*	ND	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	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	<b>34</b>	N/A	ND	<b>17</b>	21/21*	<b>7.5</b>	<b>2.5</b>	38/37*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	<b>4</b>	N/A	<b>28</b>	<b>2.4</b>	4.7/4.7*	<b>1.3</b>	<b>0.73</b>	4.6/5.2*	ND	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	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	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	N/A	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
cis-1,2-Dichloroethene	<b>8</b>	N/A	ND	<b>8.1</b>	11/11*	<b>6.3</b>	<b>3.5</b>	10/9.7*	<b>4.1 J</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	N/A	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	<b>0.8</b>	N/A	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ND	N/A	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	<b>0.25J/0.22J</b>	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	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	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	<b>340</b>	N/A	<b>380</b>	<b>190</b>	250/260*	<b>150</b>	<b>110 D</b>	220/220*	<b>140</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	N/A	ND	ND	ND/ND*	ND	ND	ND/ND*	ND	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

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

Analytes	MW-9										MW-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	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	<b>2</b>	<b>2</b>	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	<b>17</b>	<b>9</b>	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	<b>1</b>	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	<b>2</b>	N/A	ND	ND	ND	ND	ND	ND	ND	ND	<b>1</b>	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

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**Town of Clinton, New York**

Analytes	MW-11								MW-12S		MW-12D		
	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	5/29/08	4/27/09
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	<b>0.24 J</b>	ND
1,1,2-Trichloroethane	N/A	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	<b>25</b>	<b>11</b>
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	<b>2</b>	<b>1.5</b>
1,2-Dichloroethane	N/A	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
Chlorobenzene	N/A	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	<b>4.6</b>	<b>2</b>
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	<b>0.25 J</b>	<b>0.25 J</b>
Ethylbenzene	N/A	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
o-Xylene	N/A	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
Toluene	N/A	ND	ND	ND	ND	ND	ND/ND*	ND	ND	<b>0.31 J</b>	ND	ND	ND
trans-1,2-Dichloroethene	N/A	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	<b>1.6</b>	<b>1.7</b>
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND/ND*	ND	ND	ND	ND	ND	ND

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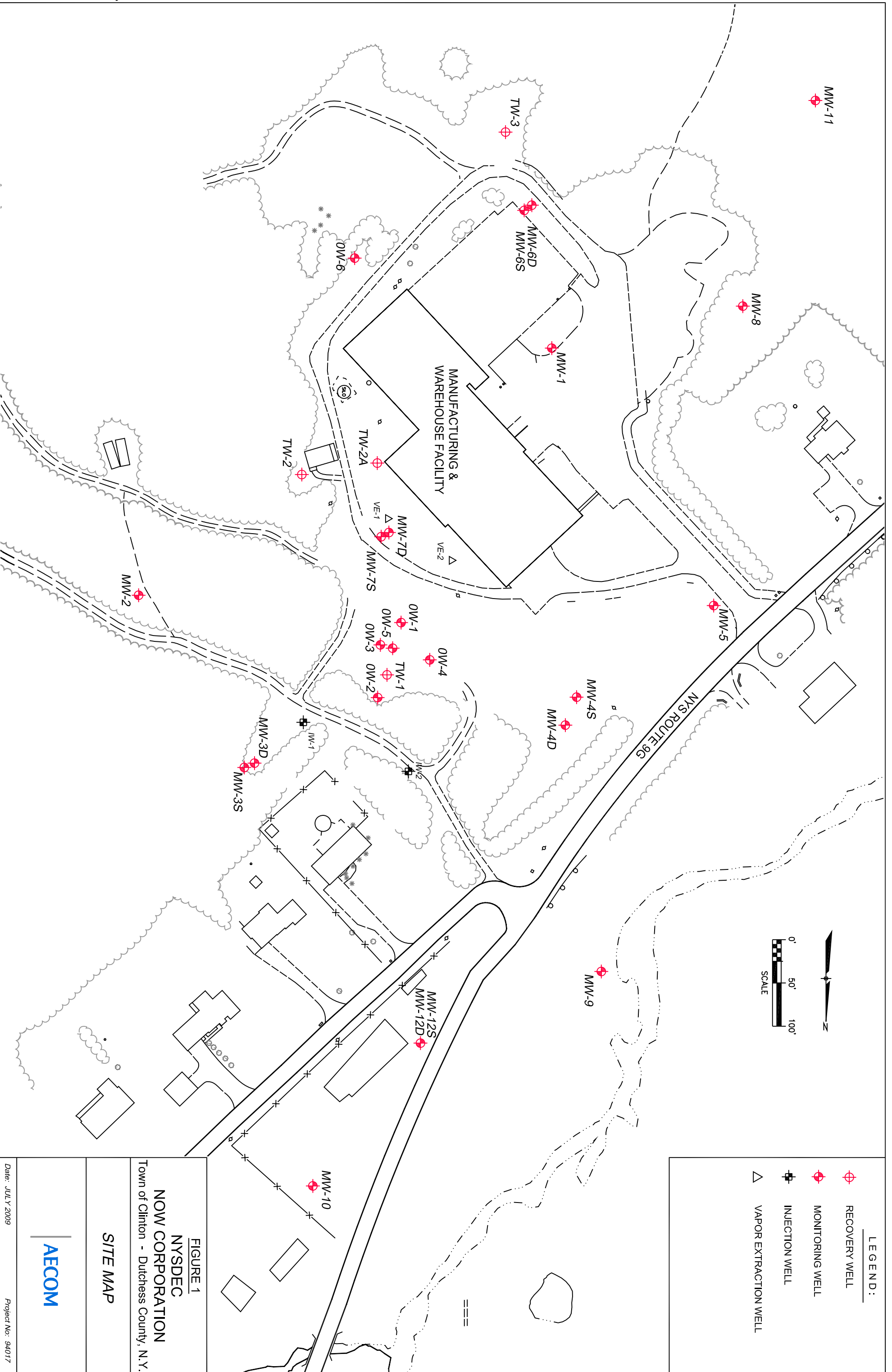


FIGURE 1  
 NYSDEC  
 NOW CORPORATION  
 Town of Clinton - Dutchess County, N.Y.

SITE MAP





A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

May 6, 2009

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

RE: Client Project: NOW Corp. Site, 94017.02, 4/09  
Lab Project #: H0722

Dear Mr. Choiniere:

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

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

We appreciate your business.

Sincerely,

A handwritten signature in black ink, appearing to read "Edward A. Lawler", written in a cursive style.

Edward A. Lawler  
Laboratory Operations Manager



Report of Laboratory Analyses for Earth Tech

Client Project: NOW Corp. 94017.02, 04/09

Mitkem Work Order ID: H0722

May 6, 2009

Prepared For: Earth Tech  
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: Earth Tech**

**Client Project: NOW Corp, 94017.02, 04/09**

**Lab Work Order: H0722**

**Date samples received: 04/28/09**

**Project Narrative**

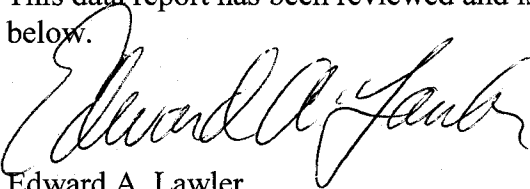
This data report includes the analysis results for ten (10) aqueous samples that were received from Earth Tech on April 28, 2009. Analyses were performed per specification in the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and laboratory sample ID.

Surrogate recoveries were within the QC limits for volatile organic analyses with the exception of 1,2-dichloroethane-d4 in LCSD-43328. Percent recoveries in laboratory control samples were within the QC limits with the exception of low recoveries for ethylbenzene and m,p-xylene in LCSD-43328. The following samples were analyzed at dilution: MW-1 at 5X, MW-7S at 10X, and MW-7D at 20X.

No other unusual occurrences were noted during sample analysis.

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

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



Edward A. Lawler  
Laboratory Operations Manager

# Mitkem Laboratories

Date: 05-May-09

Client: Earth Tech – AECOM

Client Sample ID: 6S

Lab ID: H0722-01

Project: NOW Corp. Site

Collection Date: 04/27/09 10:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		0.50	µg/L		1 04/30/2009 22:15	43328
Chloroethane	ND		0.50	µg/L		1 04/30/2009 22:15	43328
1,1-Dichloroethene	0.33	J	0.50	µg/L		1 04/30/2009 22:15	43328
trans-1,2-Dichloroethene	ND		0.50	µg/L		1 04/30/2009 22:15	43328
Methyl tert-butyl ether	ND		0.50	µg/L		1 04/30/2009 22:15	43328
1,1-Dichloroethane	0.93		0.50	µg/L		1 04/30/2009 22:15	43328
cis-1,2-Dichloroethene	0.38	J	0.50	µg/L		1 04/30/2009 22:15	43328
1,1,1-Trichloroethane	2.3		0.50	µg/L		1 04/30/2009 22:15	43328
1,2-Dichloroethane	ND		0.50	µg/L		1 04/30/2009 22:15	43328
Benzene	ND		0.50	µg/L		1 04/30/2009 22:15	43328
Trichloroethene	22		0.50	µg/L		1 04/30/2009 22:15	43328
Toluene	ND		0.50	µg/L		1 04/30/2009 22:15	43328
1,1,2-Trichloroethane	ND		0.50	µg/L		1 04/30/2009 22:15	43328
Tetrachloroethene	ND		0.50	µg/L		1 04/30/2009 22:15	43328
Chlorobenzene	ND		0.50	µg/L		1 04/30/2009 22:15	43328
Ethylbenzene	ND		0.50	µg/L		1 04/30/2009 22:15	43328
m,p-Xylene	ND		0.50	µg/L		1 04/30/2009 22:15	43328
o-Xylene	ND		0.50	µg/L		1 04/30/2009 22:15	43328
Surrogate: Dibromofluoromethane	99.0		88-124	%REC		1 04/30/2009 22:15	43328
Surrogate: 1,2-Dichloroethane-d4	94.9		79-115	%REC		1 04/30/2009 22:15	43328
Surrogate: Toluene-d8	103		80-114	%REC		1 04/30/2009 22:15	43328
Surrogate: Bromofluorobenzene	93.9		60-123	%REC		1 04/30/2009 22:15	43328

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

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

# Mitkem Laboratories

Date: 05-May-09

Client: Earth Tech -- AECOM

Client Sample ID: 6D

Project: NOW Corp. Site

Lab ID: H0722-02

Collection Date: 04/27/09 10:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		0.50	µg/L	1	04/30/2009 22:47	43328
Chloroethane	0.94		0.50	µg/L	1	04/30/2009 22:47	43328
1,1-Dichloroethene	0.64		0.50	µg/L	1	04/30/2009 22:47	43328
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	04/30/2009 22:47	43328
Methyl tert-butyl ether	0.20	J	0.50	µg/L	1	04/30/2009 22:47	43328
1,1-Dichloroethane	11		0.50	µg/L	1	04/30/2009 22:47	43328
cis-1,2-Dichloroethene	0.95		0.50	µg/L	1	04/30/2009 22:47	43328
1,1,1-Trichloroethane	1.1		0.50	µg/L	1	04/30/2009 22:47	43328
1,2-Dichloroethane	ND		0.50	µg/L	1	04/30/2009 22:47	43328
Benzene	ND		0.50	µg/L	1	04/30/2009 22:47	43328
Trichloroethene	5.8		0.50	µg/L	1	04/30/2009 22:47	43328
Toluene	ND		0.50	µg/L	1	04/30/2009 22:47	43328
1,1,2-Trichloroethane	ND		0.50	µg/L	1	04/30/2009 22:47	43328
Tetrachloroethene	ND		0.50	µg/L	1	04/30/2009 22:47	43328
Chlorobenzene	ND		0.50	µg/L	1	04/30/2009 22:47	43328
Ethylbenzene	ND		0.50	µg/L	1	04/30/2009 22:47	43328
m,p-Xylene	ND		0.50	µg/L	1	04/30/2009 22:47	43328
o-Xylene	ND		0.50	µg/L	1	04/30/2009 22:47	43328
Surrogate: Dibromofluoromethane	104		88-124	%REC	1	04/30/2009 22:47	43328
Surrogate: 1,2-Dichloroethane-d4	92.2		79-115	%REC	1	04/30/2009 22:47	43328
Surrogate: Toluene-d8	101		80-114	%REC	1	04/30/2009 22:47	43328
Surrogate: Bromofluorobenzene	94.8		60-123	%REC	1	04/30/2009 22:47	43328

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

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

# Mitkem Laboratories

Date: 05-May-09

Client: Earth Tech – AECOM

Client Sample ID: MW-1

Lab ID: H0722-03

Project: NOW Corp. Site

Collection Date: 04/27/09 10:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		2.5	µg/L		5 05/01/2009 14:20	43347
Chloroethane	ND		2.5	µg/L		5 05/01/2009 14:20	43347
1,1-Dichloroethene	1.4	J	2.5	µg/L		5 05/01/2009 14:20	43347
trans-1,2-Dichloroethene	ND		2.5	µg/L		5 05/01/2009 14:20	43347
Methyl tert-butyl ether	ND		2.5	µg/L		5 05/01/2009 14:20	43347
1,1-Dichloroethane	10		2.5	µg/L		5 05/01/2009 14:20	43347
cis-1,2-Dichloroethene	12		2.5	µg/L		5 05/01/2009 14:20	43347
1,1,1-Trichloroethane	8.1		2.5	µg/L		5 05/01/2009 14:20	43347
1,2-Dichloroethane	ND		2.5	µg/L		5 05/01/2009 14:20	43347
Benzene	ND		2.5	µg/L		5 05/01/2009 14:20	43347
Trichloroethene	68		2.5	µg/L		5 05/01/2009 14:20	43347
Toluene	ND		2.5	µg/L		5 05/01/2009 14:20	43347
1,1,2-Trichloroethane	ND		2.5	µg/L		5 05/01/2009 14:20	43347
Tetrachloroethene	ND		2.5	µg/L		5 05/01/2009 14:20	43347
Chlorobenzene	ND		2.5	µg/L		5 05/01/2009 14:20	43347
Ethylbenzene	ND		2.5	µg/L		5 05/01/2009 14:20	43347
m,p-Xylene	ND		2.5	µg/L		5 05/01/2009 14:20	43347
o-Xylene	ND		2.5	µg/L		5 05/01/2009 14:20	43347
Surrogate: Dibromofluoromethane	101		88-124	%REC		5 05/01/2009 14:20	43347
Surrogate: 1,2-Dichloroethane-d4	101		79-115	%REC		5 05/01/2009 14:20	43347
Surrogate: Toluene-d8	101		80-114	%REC		5 05/01/2009 14:20	43347
Surrogate: Bromofluorobenzene	92.2		60-123	%REC		5 05/01/2009 14:20	43347

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

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

**Mitkem Laboratories**

Date: 05-May-09

Client: Earth Tech – AECOM

Client Sample ID: MW-7S

Lab ID: H0722-04

Project: NOW Corp. Site

Collection Date: 04/27/09 11:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		5.0	µg/L		10 05/01/2009 13:16	43347
Chloroethane	ND		5.0	µg/L		10 05/01/2009 13:16	43347
1,1-Dichloroethene	ND		5.0	µg/L		10 05/01/2009 13:16	43347
trans-1,2-Dichloroethene	ND		5.0	µg/L		10 05/01/2009 13:16	43347
Methyl tert-butyl ether	ND		5.0	µg/L		10 05/01/2009 13:16	43347
1,1-Dichloroethane	ND		5.0	µg/L		10 05/01/2009 13:16	43347
cis-1,2-Dichloroethene	5.6		5.0	µg/L		10 05/01/2009 13:16	43347
1,1,1-Trichloroethane	ND		5.0	µg/L		10 05/01/2009 13:16	43347
1,2-Dichloroethane	ND		5.0	µg/L		10 05/01/2009 13:16	43347
Benzene	ND		5.0	µg/L		10 05/01/2009 13:16	43347
Trichloroethene	82		5.0	µg/L		10 05/01/2009 13:16	43347
Toluene	ND		5.0	µg/L		10 05/01/2009 13:16	43347
1,1,2-Trichloroethane	ND		5.0	µg/L		10 05/01/2009 13:16	43347
Tetrachloroethene	ND		5.0	µg/L		10 05/01/2009 13:16	43347
Chlorobenzene	ND		5.0	µg/L		10 05/01/2009 13:16	43347
Ethylbenzene	ND		5.0	µg/L		10 05/01/2009 13:16	43347
m,p-Xylene	ND		5.0	µg/L		10 05/01/2009 13:16	43347
o-Xylene	ND		5.0	µg/L		10 05/01/2009 13:16	43347
Surrogate: Dibromofluoromethane	100		88-124	%REC		10 05/01/2009 13:16	43347
Surrogate: 1,2-Dichloroethane-d4	96.5		79-115	%REC		10 05/01/2009 13:16	43347
Surrogate: Toluene-d8	98.2		80-114	%REC		10 05/01/2009 13:16	43347
Surrogate: Bromofluorobenzene	94.2		60-123	%REC		10 05/01/2009 13:16	43347

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

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

**Mitkem Laboratories**

Date: 05-May-09

Client: Earth Tech – AECOM

Client Sample ID: MW-7D

Lab ID: H0722-05

Project: NOW Corp. Site

Collection Date: 04/27/09 12:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>				<b>SW8260_25_W</b>
Vinyl chloride	ND	10 µg/L	20 05/01/2009 13:48	43347
Chloroethane	ND	10 µg/L	20 05/01/2009 13:48	43347
1,1-Dichloroethene	ND	10 µg/L	20 05/01/2009 13:48	43347
trans-1,2-Dichloroethene	ND	10 µg/L	20 05/01/2009 13:48	43347
Methyl tert-butyl ether	ND	10 µg/L	20 05/01/2009 13:48	43347
1,1-Dichloroethane	ND	10 µg/L	20 05/01/2009 13:48	43347
cis-1,2-Dichloroethene	4.1 J	10 µg/L	20 05/01/2009 13:48	43347
1,1,1-Trichloroethane	ND	10 µg/L	20 05/01/2009 13:48	43347
1,2-Dichloroethane	ND	10 µg/L	20 05/01/2009 13:48	43347
Benzene	ND	10 µg/L	20 05/01/2009 13:48	43347
Trichloroethene	140	10 µg/L	20 05/01/2009 13:48	43347
Toluene	ND	10 µg/L	20 05/01/2009 13:48	43347
1,1,2-Trichloroethane	ND	10 µg/L	20 05/01/2009 13:48	43347
Tetrachloroethene	ND	10 µg/L	20 05/01/2009 13:48	43347
Chlorobenzene	ND	10 µg/L	20 05/01/2009 13:48	43347
Ethylbenzene	ND	10 µg/L	20 05/01/2009 13:48	43347
m,p-Xylene	ND	10 µg/L	20 05/01/2009 13:48	43347
o-Xylene	ND	10 µg/L	20 05/01/2009 13:48	43347
Surrogate: Dibromofluoromethane	103	88-124 %REC	20 05/01/2009 13:48	43347
Surrogate: 1,2-Dichloroethane-d4	109	79-115 %REC	20 05/01/2009 13:48	43347
Surrogate: Toluene-d8	101	80-114 %REC	20 05/01/2009 13:48	43347
Surrogate: Bromofluorobenzene	94.2	60-123 %REC	20 05/01/2009 13:48	43347

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

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

**Mitkem Laboratories**

Date: 05-May-09

Client: Earth Tech – AECOM

Client Sample ID: MW-4S

Lab ID: H0722-06

Project: NOW Corp. Site

Collection Date: 04/27/09 12:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		0.50	µg/L		1 05/01/2009 00:56	43328
Chloroethane	1.5		0.50	µg/L		1 05/01/2009 00:56	43328
1,1-Dichloroethene	ND		0.50	µg/L		1 05/01/2009 00:56	43328
trans-1,2-Dichloroethene	ND		0.50	µg/L		1 05/01/2009 00:56	43328
Methyl tert-butyl ether	ND		0.50	µg/L		1 05/01/2009 00:56	43328
1,1-Dichloroethane	2.5		0.50	µg/L		1 05/01/2009 00:56	43328
cis-1,2-Dichloroethene	ND		0.50	µg/L		1 05/01/2009 00:56	43328
1,1,1-Trichloroethane	ND		0.50	µg/L		1 05/01/2009 00:56	43328
1,2-Dichloroethane	ND		0.50	µg/L		1 05/01/2009 00:56	43328
Benzene	ND		0.50	µg/L		1 05/01/2009 00:56	43328
Trichloroethene	0.31	J	0.50	µg/L		1 05/01/2009 00:56	43328
Toluene	ND		0.50	µg/L		1 05/01/2009 00:56	43328
1,1,2-Trichloroethane	ND		0.50	µg/L		1 05/01/2009 00:56	43328
Tetrachloroethene	ND		0.50	µg/L		1 05/01/2009 00:56	43328
Chlorobenzene	ND		0.50	µg/L		1 05/01/2009 00:56	43328
Ethylbenzene	ND		0.50	µg/L		1 05/01/2009 00:56	43328
m,p-Xylene	ND		0.50	µg/L		1 05/01/2009 00:56	43328
o-Xylene	ND		0.50	µg/L		1 05/01/2009 00:56	43328
Surrogate: Dibromofluoromethane	109		88-124	%REC		1 05/01/2009 00:56	43328
Surrogate: 1,2-Dichloroethane-d4	100		79-115	%REC		1 05/01/2009 00:56	43328
Surrogate: Toluene-d8	101		80-114	%REC		1 05/01/2009 00:56	43328
Surrogate: Bromofluorobenzene	96.3		60-123	%REC		1 05/01/2009 00:56	43328

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

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



# Mitkem Laboratories

Date: 05-May-09

Client: Earth Tech – AECOM

Client Sample ID: MW-12D

Lab ID: H0722-07

Project: NOW Corp. Site

Collection Date: 04/27/09 13:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		0.50	µg/L		1 05/01/2009 01:28	43328
Chloroethane	2.0		0.50	µg/L		1 05/01/2009 01:28	43328
1,1-Dichloroethene	1.5		0.50	µg/L		1 05/01/2009 01:28	43328
trans-1,2-Dichloroethene	ND		0.50	µg/L		1 05/01/2009 01:28	43328
Methyl tert-butyl ether	ND		0.50	µg/L		1 05/01/2009 01:28	43328
1,1-Dichloroethane	11		0.50	µg/L		1 05/01/2009 01:28	43328
cis-1,2-Dichloroethene	0.25	J	0.50	µg/L		1 05/01/2009 01:28	43328
1,1,1-Trichloroethane	ND		0.50	µg/L		1 05/01/2009 01:28	43328
1,2-Dichloroethane	ND		0.50	µg/L		1 05/01/2009 01:28	43328
Benzene	ND		0.50	µg/L		1 05/01/2009 01:28	43328
Trichloroethene	1.7		0.50	µg/L		1 05/01/2009 01:28	43328
Toluene	ND		0.50	µg/L		1 05/01/2009 01:28	43328
1,1,2-Trichloroethane	ND		0.50	µg/L		1 05/01/2009 01:28	43328
Tetrachloroethene	ND		0.50	µg/L		1 05/01/2009 01:28	43328
Chlorobenzene	ND		0.50	µg/L		1 05/01/2009 01:28	43328
Ethylbenzene	ND		0.50	µg/L		1 05/01/2009 01:28	43328
m,p-Xylene	ND		0.50	µg/L		1 05/01/2009 01:28	43328
o-Xylene	ND		0.50	µg/L		1 05/01/2009 01:28	43328
Surrogate: Dibromofluoromethane	107		88-124	%REC		1 05/01/2009 01:28	43328
Surrogate: 1,2-Dichloroethane-d4	102		79-115	%REC		1 05/01/2009 01:28	43328
Surrogate: Toluene-d8	97.9		80-114	%REC		1 05/01/2009 01:28	43328
Surrogate: Bromofluorobenzene	93.3		60-123	%REC		1 05/01/2009 01:28	43328

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

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

# Mitkem Laboratories

Date: 05-May-09

Client: Earth Tech – AECOM

Client Sample ID: MW-12S

Lab ID: H0722-08

Project: NOW Corp. Site

Collection Date: 04/27/09 13:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		0.50	µg/L	1	05/01/2009 02:00	43328
Chloroethane	ND		0.50	µg/L	1	05/01/2009 02:00	43328
1,1-Dichloroethene	ND		0.50	µg/L	1	05/01/2009 02:00	43328
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	05/01/2009 02:00	43328
Methyl tert-butyl ether	ND		0.50	µg/L	1	05/01/2009 02:00	43328
1,1-Dichloroethane	ND		0.50	µg/L	1	05/01/2009 02:00	43328
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	05/01/2009 02:00	43328
1,1,1-Trichloroethane	ND		0.50	µg/L	1	05/01/2009 02:00	43328
1,2-Dichloroethane	ND		0.50	µg/L	1	05/01/2009 02:00	43328
Benzene	ND		0.50	µg/L	1	05/01/2009 02:00	43328
Trichloroethene	ND		0.50	µg/L	1	05/01/2009 02:00	43328
Toluene	ND		0.50	µg/L	1	05/01/2009 02:00	43328
1,1,2-Trichloroethane	ND		0.50	µg/L	1	05/01/2009 02:00	43328
Tetrachloroethene	ND		0.50	µg/L	1	05/01/2009 02:00	43328
Chlorobenzene	ND		0.50	µg/L	1	05/01/2009 02:00	43328
Ethylbenzene	ND		0.50	µg/L	1	05/01/2009 02:00	43328
m,p-Xylene	ND		0.50	µg/L	1	05/01/2009 02:00	43328
o-Xylene	ND		0.50	µg/L	1	05/01/2009 02:00	43328
Surrogate: Dibromofluoromethane	98.3		88-124	%REC	1	05/01/2009 02:00	43328
Surrogate: 1,2-Dichloroethane-d4	91.9		79-115	%REC	1	05/01/2009 02:00	43328
Surrogate: Toluene-d8	98.1		80-114	%REC	1	05/01/2009 02:00	43328
Surrogate: Bromofluorobenzene	91.2		60-123	%REC	1	05/01/2009 02:00	43328

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

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

**Mitkem Laboratories**

Date: 05-May-09

Client: Earth Tech – AECOM

Client Sample ID: DUP

Project: NOW Corp. Site

Lab ID: H0722-09

Collection Date: 04/27/09 00:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		0.50	µg/L	1	05/01/2009 02:32	43328
Chloroethane	1.4		0.50	µg/L	1	05/01/2009 02:32	43328
1,1-Dichloroethene	ND		0.50	µg/L	1	05/01/2009 02:32	43328
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	05/01/2009 02:32	43328
Methyl tert-butyl ether	ND		0.50	µg/L	1	05/01/2009 02:32	43328
1,1-Dichloroethane	2.4		0.50	µg/L	1	05/01/2009 02:32	43328
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	05/01/2009 02:32	43328
1,1,1-Trichloroethane	ND		0.50	µg/L	1	05/01/2009 02:32	43328
1,2-Dichloroethane	ND		0.50	µg/L	1	05/01/2009 02:32	43328
Benzene	ND		0.50	µg/L	1	05/01/2009 02:32	43328
Trichloroethene	ND		0.50	µg/L	1	05/01/2009 02:32	43328
Toluene	ND		0.50	µg/L	1	05/01/2009 02:32	43328
1,1,2-Trichloroethane	ND		0.50	µg/L	1	05/01/2009 02:32	43328
Tetrachloroethene	ND		0.50	µg/L	1	05/01/2009 02:32	43328
Chlorobenzene	ND		0.50	µg/L	1	05/01/2009 02:32	43328
Ethylbenzene	ND		0.50	µg/L	1	05/01/2009 02:32	43328
m,p-Xylene	ND		0.50	µg/L	1	05/01/2009 02:32	43328
o-Xylene	ND		0.50	µg/L	1	05/01/2009 02:32	43328
Surrogate: Dibromofluoromethane	100		88-124	%REC	1	05/01/2009 02:32	43328
Surrogate: 1,2-Dichloroethane-d4	100		79-115	%REC	1	05/01/2009 02:32	43328
Surrogate: Toluene-d8	96.7		80-114	%REC	1	05/01/2009 02:32	43328
Surrogate: Bromofluorobenzene	92.2		60-123	%REC	1	05/01/2009 02:32	43328

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

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

**Mitkem Laboratories**

Date: 05-May-09

Client: Earth Tech – AECOM

Client Sample ID: TRIP BLANK

Lab ID: H0722-10

Project: NOW Corp. Site

Collection Date: 04/27/09 00:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		0.50	µg/L	1	05/01/2009 03:05	43328
Chloroethane	ND		0.50	µg/L	1	05/01/2009 03:05	43328
1,1-Dichloroethene	ND		0.50	µg/L	1	05/01/2009 03:05	43328
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	05/01/2009 03:05	43328
Methyl tert-butyl ether	ND		0.50	µg/L	1	05/01/2009 03:05	43328
1,1-Dichloroethane	ND		0.50	µg/L	1	05/01/2009 03:05	43328
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	05/01/2009 03:05	43328
1,1,1-Trichloroethane	ND		0.50	µg/L	1	05/01/2009 03:05	43328
1,2-Dichloroethane	ND		0.50	µg/L	1	05/01/2009 03:05	43328
Benzene	ND		0.50	µg/L	1	05/01/2009 03:05	43328
Trichloroethene	ND		0.50	µg/L	1	05/01/2009 03:05	43328
Toluene	ND		0.50	µg/L	1	05/01/2009 03:05	43328
1,1,2-Trichloroethane	ND		0.50	µg/L	1	05/01/2009 03:05	43328
Tetrachloroethene	ND		0.50	µg/L	1	05/01/2009 03:05	43328
Chlorobenzene	ND		0.50	µg/L	1	05/01/2009 03:05	43328
Ethylbenzene	ND		0.50	µg/L	1	05/01/2009 03:05	43328
m,p-Xylene	ND		0.50	µg/L	1	05/01/2009 03:05	43328
o-Xylene	ND		0.50	µg/L	1	05/01/2009 03:05	43328
Surrogate: Dibromofluoromethane	97.3		88-124	%REC	1	05/01/2009 03:05	43328
Surrogate: 1,2-Dichloroethane-d4	100		79-115	%REC	1	05/01/2009 03:05	43328
Surrogate: Toluene-d8	102		80-114	%REC	1	05/01/2009 03:05	43328
Surrogate: Bromofluorobenzene	95.8		60-123	%REC	1	05/01/2009 03:05	43328

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

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

CLIENT: Earth Tech - AECOM  
 Work Order: H0722

**ANALYTICAL QC SUMMARY REPORT**

SW8260\_25\_W

Project: NOW Corp. Site

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

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.50									
Chloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Methyl tert-butyl ether	ND	0.50									
1,1-Dichloroethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	0.50									
Trichloroethene	ND	0.50									
Toluene	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
Tetrachloroethene	ND	0.50									
Chlorobenzene	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	0.50									
o-Xylene	ND	0.50									
Surrogate: Dibromofluoromethane	10.01	0.50	10.00	0	100	88	124	0		0	
Surrogate: 1,2-Dichloroethane-d4	9.863	0.50	10.00	0	98.6	79	115	0		0	
Surrogate: Toluene-d8	10.11	0.50	10.00	0	101	80	114	0		0	
Surrogate: Bromofluorobenzene	9.587	0.50	10.00	0	95.9	60	123	0		0	

0013

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: Earth Tech - AECOM  
 Work Order: H0722  
 Project: NOW Corp. Site

# ANALYTICAL QC SUMMARY REPORT

SW8260\_25\_W  
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID: MB-43347    SampType: MBLK    TestCode: SW8260\_25\_W    Prep Date: 05/01/2009    Run ID: V1\_090501A  
 Client ID: MB-43347    Batch ID: 43347    Units: µg/L    Analysis Date: 05/01/2009    SeqNo: 1025146

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.50									
Chloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Methyl tert-butyl ether	ND	0.50									
1,1-Dichloroethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	0.50									
Trichloroethene	ND	0.50									
Toluene	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
Tetrachloroethene	ND	0.50									
Chlorobenzene	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	0.50									
o-Xylene	ND	0.50									
Surrogate: Dibromofluoromethane	10.08		10.00	0	101	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.303		10.00	0	93.0	79	115	0			
Surrogate: Toluene-d8	9.660		10.00	0	96.6	80	114	0			
Surrogate: Bromofluorobenzene	9.285		10.00	0	92.8	60	123	0			

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



CLIENT: Earth Tech - AECOM  
 Work Order: H0722  
 Project: NOW Corp. Site

**ANALYTICAL QC SUMMARY REPORT**  
 SW8260\_25\_W  
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID: LCS-43328	SampType: LCS	TestCode: SW8260_25_W	Prep Date: 04/30/2009	Run ID: V1_090430B							
Client ID: LCS-43328	Batch ID: 43328	Units: µg/L	Analysis Date: 04/30/2009	SeqNo: 1024950							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	10.49	0.50	10.00	0	105	77	120	0			
Chloroethane	10.14	0.50	10.00	0	101	75	135	0			
1,1-Dichloroethene	10.61	0.50	10.00	0	106	81	125	0			
trans-1,2-Dichloroethene	10.22	0.50	10.00	0	102	60	137	0			
Methyl tert-butyl ether	10.59	0.50	10.00	0	106	61	134	0			
1,1-Dichloroethane	9.822	0.50	10.00	0	98.2	82	120	0			
cis-1,2-Dichloroethene	10.30	0.50	10.00	0	103	84	116	0			
1,1,1-Trichloroethane	10.35	0.50	10.00	0	103	80	124	0			
1,2-Dichloroethane	10.11	0.50	10.00	0	101	86	117	0			
Benzene	9.745	0.50	10.00	0	97.5	81	121	0			
Trichloroethene	10.20	0.50	10.00	0	102	74	123	0			
Toluene	9.963	0.50	10.00	0	99.6	88	117	0			
1,1,2-Trichloroethane	10.88	0.50	10.00	0	109	83	121	0			
Tetrachloroethene	9.263	0.50	10.00	0	92.6	74	115	0			
Chlorobenzene	9.856	0.50	10.00	0	98.6	83	112	0			
Ethylbenzene	9.690	0.50	10.00	0	96.9	87	110	0			
m,p-Xylene	19.49	0.50	20.00	0	97.5	87	114	0			
o-Xylene	9.863	0.50	10.00	0	98.6	84	114	0			
Surrogate: Dibromofluoromethane	10.23	0.50	10.00	0	102	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	11.18	0.50	10.00	0	112	79	115	0			
Surrogate: Toluene-d8	9.673	0.50	10.00	0	96.7	80	114	0			
Surrogate: Bromofluorobenzene	10.31	0.50	10.00	0	103	60	123	0			

0010

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

CLIENT: Earth Tech - AECOM  
 Work Order: H0722  
 Project: NOW Corp. Site

# ANALYTICAL QC SUMMARY REPORT

SW8260\_25\_W  
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID:	LCSD-43328	SampType:	LCSD	TestCode:	SW8260_25_W	Prep Date:	04/30/2009	Run ID:	V1_090430B		
Client ID:	LCSD-43328	Batch ID:	43328	Units:	µg/L	Analysis Date:	04/30/2009	SeqNo:	1024951		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.608	0.50	10.00	0	96.1	77	120	10.49	8.78	40	
Chloroethane	8.959	0.50	10.00	0	89.6	75	135	10.14	12.3	40	
1,1-Dichloroethene	9.119	0.50	10.00	0	91.2	81	125	10.61	15.1	40	
trans-1,2-Dichloroethene	9.154	0.50	10.00	0	91.5	60	137	10.22	11	40	
Methyl tert-butyl ether	9.807	0.50	10.00	0	98.1	61	134	10.59	7.64	40	
1,1-Dichloroethane	9.131	0.50	10.00	0	91.3	82	120	9.822	7.29	40	
cis-1,2-Dichloroethene	9.523	0.50	10.00	0	95.2	84	116	10.30	7.87	40	
1,1,1-Trichloroethane	9.502	0.50	10.00	0	95.0	80	124	10.35	8.51	40	
1,2-Dichloroethane	10.00	0.50	10.00	0	100	86	117	10.11	1.1	40	
Benzene	9.499	0.50	10.00	0	95.0	81	121	9.745	2.57	40	
Trichloroethene	9.573	0.50	10.00	0	95.7	74	123	10.20	6.36	40	
Toluene	9.351	0.50	10.00	0	93.5	88	117	9.963	6.34	40	
1,1,2-Trichloroethane	9.979	0.50	10.00	0	99.8	83	121	10.88	8.64	40	
Tetrachloroethene	8.252	0.50	10.00	0	82.5	74	115	9.263	11.5	40	
Chlorobenzene	8.577	0.50	10.00	0	85.8	83	112	9.856	13.9	40	
Ethylbenzene	8.457	0.50	10.00	0	84.6	87	110	9.690	13.6	40	S
m,p-Xylene	17.13	0.50	20.00	0	85.7	87	114	19.49	12.9	40	S
o-Xylene	8.900	0.50	10.00	0	89.0	84	114	9.863	10.3	40	
Surrogate: Dibromofluoromethane	10.54	0.50	10.00	0	105	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	11.74	0.50	10.00	0	117	79	115	0			
Surrogate: Toluene-d8	9.173	0.50	10.00	0	91.7	80	114	0			
Surrogate: Bromofluorobenzene	9.592	0.50	10.00	0	95.9	60	123	0			

0016

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



# ANALYTICAL QC SUMMARY REPORT

SW8260\_25\_W  
SW846 8260 -- VOC by GC-MS (25 mL Purge)

CLIENT: Earth Tech - AECOM  
Work Order: H0722  
Project: NOW Corp. Site

Sample ID: LCS-43347    Batch ID: 43347    Prep Date: 05/01/2009    Run ID: V1\_090501A  
Client ID: LCS-43347    TestCode: SW8260\_25\_W    Analysis Date: 05/01/2009    SeqNo: 1025147

Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Vinyl chloride	9.265	0.50	10.00	0	92.6	77	120	0			
Chloroethane	7.728	0.50	10.00	0	77.3	75	135	0			
1,1-Dichloroethene	9.861	0.50	10.00	0	98.6	81	125	0			
trans-1,2-Dichloroethene	9.556	0.50	10.00	0	95.6	60	137	0			
Methyl tert-butyl ether	9.188	0.50	10.00	0	91.9	61	134	0			
1,1-Dichloroethane	9.263	0.50	10.00	0	92.6	82	120	0			
cis-1,2-Dichloroethene	9.148	0.50	10.00	0	91.5	84	116	0			
1,1,1-Trichloroethane	9.131	0.50	10.00	0	91.3	80	124	0			
1,2-Dichloroethane	10.06	0.50	10.00	0	101	86	117	0			
Benzene	9.298	0.50	10.00	0	93.0	81	121	0			
Trichloroethene	9.668	0.50	10.00	0	96.7	74	123	0			
Toluene	9.273	0.50	10.00	0	92.7	88	117	0			
1,1,2-Trichloroethane	9.717	0.50	10.00	0	97.2	83	121	0			
Tetrachloroethene	9.249	0.50	10.00	0	92.5	74	115	0			
Chlorobenzene	9.102	0.50	10.00	0	91.0	83	112	0			
Ethylbenzene	8.966	0.50	10.00	0	89.7	87	110	0			
m,p-Xylene	18.41	0.50	20.00	0	92.1	87	114	0			
o-Xylene	9.254	0.50	10.00	0	92.5	84	114	0			
Surrogate: Dibromofluoromethane	9.486	0.50	10.00	0	94.9	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	11.16	0.50	10.00	0	112	79	115	0			
Surrogate: Toluene-d8	9.753	0.50	10.00	0	97.5	80	114	0			
Surrogate: Bromofluorobenzene	9.750	0.50	10.00	0	97.5	60	123	0			

0017

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: Earth Tech - AECOM  
 Work Order: H0722  
 Project: NOW Corp. Site

**ANALYTICAL QC SUMMARY REPORT**  
 SW8260\_25\_W  
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID: LCSD-43347	SampType: LCSD	TestCode: SW8260_25_W	Prep Date: 05/01/2009	Run ID: V1_090501A							
Client ID: LCSD-43347	Batch ID: 43347	Units: µg/L	Analysis Date: 05/01/2009	SeqNo: 1025148							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	10.11	0.50	10.00	0	101	77	120	9.265	8.75	40	
Chloroethane	8.477	0.50	10.00	0	84.8	75	135	7.728	9.24	40	
1,1-Dichloroethene	10.80	0.50	10.00	0	108	81	125	9.861	9.06	40	
trans-1,2-Dichloroethene	10.45	0.50	10.00	0	105	60	137	9.556	8.95	40	
Methyl tert-butyl ether	10.20	0.50	10.00	0	102	61	134	9.188	10.4	40	
1,1-Dichloroethane	9.648	0.50	10.00	0	96.5	82	120	9.263	4.07	40	
cis-1,2-Dichloroethene	10.52	0.50	10.00	0	105	84	116	9.148	14	40	
1,1,1-Trichloroethane	10.36	0.50	10.00	0	104	80	124	9.131	12.6	40	
1,2-Dichloroethane	9.856	0.50	10.00	0	98.6	86	117	10.06	2.08	40	
Benzene	10.12	0.50	10.00	0	101	81	121	9.298	8.49	40	
Trichloroethene	10.55	0.50	10.00	0	105	74	123	9.668	8.68	40	
Toluene	9.927	0.50	10.00	0	99.3	88	117	9.273	6.82	40	
1,1,2-Trichloroethane	10.44	0.50	10.00	0	104	83	121	9.717	7.14	40	
Tetrachloroethene	9.644	0.50	10.00	0	96.4	74	115	9.249	4.18	40	
Chlorobenzene	9.700	0.50	10.00	0	97.0	83	112	9.102	6.35	40	
Ethylbenzene	9.466	0.50	10.00	0	94.7	87	110	8.966	5.42	40	
m,p-Xylene	19.56	0.50	20.00	0	97.8	87	114	18.41	6.04	40	
o-Xylene	9.722	0.50	10.00	0	97.2	84	114	9.254	4.93	40	
Surrogate: Dibromofluoromethane	10.02	0.50	10.00	0	100	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.016	0.50	10.00	0	90.2	79	115	0			
Surrogate: Toluene-d8	9.649	0.50	10.00	0	96.5	80	114	0			
Surrogate: Bromofluorobenzene	9.938	0.50	10.00	0	99.4	60	123	0			

0010

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

Client ID: EARTH\_NY

Project: NOW Corp. Site

Location:

Comments: N/A

Case:

SDG:

PO: 94017.02

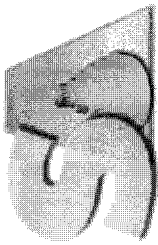
HC Due: 05/14/09

Fax Due:

Report Level: LEVEL 2

EDD:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
H0722-01A	6S	04/27/2009 10:00	04/28/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H0722-02A	6D	04/27/2009 10:15	04/28/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H0722-03A	MW-1	04/27/2009 10:45	04/28/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H0722-04A	MW-7S	04/27/2009 11:40	04/28/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H0722-05A	MW-7D	04/27/2009 12:00	04/28/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H0722-06A	MW-4S	04/27/2009 12:15	04/28/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H0722-07A	MW-12D	04/27/2009 13:15	04/28/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H0722-08A	MW-12S	04/27/2009 13:30	04/28/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H0722-09A	DUP	04/27/2009 0:00	04/28/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H0722-10A	TRIP BLANK	04/27/2009 0:00	04/28/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA



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

Invoice To: Same  
 P.O. No.: \_\_\_\_\_ RQN: \_\_\_\_\_

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

1=Na<sub>2</sub>SO<sub>3</sub> 2=HCl 3=H<sub>2</sub>SO<sub>4</sub> 4=HNO<sub>3</sub> 5=NaOH 6=Ascorbic Acid 7=CH<sub>3</sub>OH  
 8= NaHSO<sub>4</sub> 9= \_\_\_\_\_ 10= \_\_\_\_\_ 11= \_\_\_\_\_

List preservative code below:

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

Containers:

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

Analyses:

QA/QC Reporting Notes:  
(check as needed)

Provide MA DEP MCP CAM Report  
 Provide CT DPH RCP Report  
**QA/QC Reporting Level**  
 Standard  No QC  
 Other \_\_\_\_\_

State specific reporting standards: \_\_\_\_\_

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix
40722-01	6S	4/27/09	10:00	G	GW 2
02	6D		10:15		
02	MW-1		10:45		
04	MW-7S		11:40		
05	MW-7D		12:00		
06	MW-4S		12:15		
07	MV-12D		13:15		
08	MW-12S		13:30		
09	Dup				
40722-10	Trip Blank				

Relinquished by: [Signature]

Received by: Veronica Gumbel

Date: 4/27/09 Time: 15:30

Date: 4/28/09 Time: 8:45

EDD Format \_\_\_\_\_  
 E-mail to \_\_\_\_\_

Condition upon receipt:  Iced  Ambient  C 3

**MITKEM LABORATORIES**  
**Sample Condition Form**

Received By: <u>V26</u>	Reviewed By: <u>SN</u>	Date: <u>4/28/09</u>	MITKEM Workorder #: <u>40722</u>				
Client Project: <u>Now Corp.</u>		Client: <u>Earth NY</u>			Soil Headspace or Air Bubbles $\geq 1/4$ "		
		Preservation (pH)					
	Lab Sample ID	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	HCl	NaOH	H <sub>3</sub> PO <sub>4</sub>	VOA Matrix
1) Cooler Sealed <input checked="" type="radio"/> Yes / No	<u>H0722 01</u>						<u>H</u>
	<u>  02</u>						<u> </u>
2) Custody Seal(s) <input checked="" type="radio"/> Present / Absent Coolers / Bottles <input checked="" type="radio"/> Intact / Broken	<u>  03</u>						<u> </u>
	<u>  04</u>						<u> </u>
	<u>  05</u>						<u> </u>
	<u>  06</u>						<u> </u>
3) Custody Seal Number(s) <u>N/A</u>	<u>  07</u>						<u> </u>
	<u>  08</u>						<u> </u>
	<u>  09</u>						<u> </u>
	<u>H0722 10</u>						<u>H</u>
4) Chain-of-Custody <input checked="" type="radio"/> Present / Absent							
5) Cooler Temperature <u>3°C</u> Coolant Condition <u>ice</u>							
6) Airbill(s) <input checked="" type="radio"/> Present / Absent Airbill Number(s) <u>FedEx</u> <u>805999021247</u>							
7) Sample Bottles <input checked="" type="radio"/> Intact / Broken / Leaking							
8) Date Received <u>4/28/09</u>							
9) Time Received <u>8:45</u>							
Preservative Name/Lot No:							

**VOA Matrix Key:**

<b>US</b> = Unpreserved Soil	<b>A</b> = Air
<b>UA</b> = Unpreserved Aqu.	<b>H</b> = HCl
<b>M</b> = MeOH	<b>E</b> = Encore
<b>N</b> = NaHSO <sub>4</sub>	<b>F</b> = Freeze

See Sample Condition Notification/Corrective Action Form    yes /  no

Rad OK    yes / no

**Last Page of Data Report**



A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

May 29, 2009

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

RE: Client Project: NOW Corp. Site, 94017.02, 05/09  
Lab Project #: H0886

Dear Mr. Choiniere:

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

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

We appreciate your business.

Sincerely,

A handwritten signature in black ink, appearing to read "Edward A. Lawler", written in a cursive style.

Edward A. Lawler  
Laboratory Operations Manager

Report of Laboratory Analyses for Earth Tech - AECOM

Client Project: NOW Corp. 94017.02, 05/09

Mitkem Work Order ID: H0886

May 29, 2009

Prepared For: Earth Tech - AECOM  
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: Earth Tech - AECOM**

**Client Project: NOW Corp, 94017.02, 05/09**

**Lab Work Order: H0886**

**Date samples received: 05/20/09**

### **Project Narrative**

This data report includes the analysis results for six (6) aqueous samples that were received from Earth Tech AECOM on May 29, 2009. Analyses were performed per specification in the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and laboratory sample ID.

Surrogate recoveries were within the QC limits for volatile organic analyses. Percent recoveries in laboratory control samples were within the QC limits with the exception of marginally high recovery for ethylbenzene in LCS-43895. The following samples were reanalyzed at dilution: INF 051909 at 16X, TW-1 at 4X, and TW-2A at 20X.

Spike recoveries were within the QC limits in the laboratory control samples for metals, total dissolved solids, total suspended solids, cyanide and oil & grease analyses. Zinc was detected below the reporting limit in method blank MB-43799, and also in the samples. Sample results for zinc are qualified with the "B" flag to indicate low level laboratory background contamination. Duplicate analyses were performed for total dissolved solids and total suspended solids on sample INF 051909. Matrix spike and duplicate analyses were also performed on sample EFF 051909 for cyanide. Percent recoveries and relative percent differences were within the QC limits.

No other unusual occurrences were noted during sample analysis.

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

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



Edward A. Lawler  
Laboratory Operations Manager

**Mitkem Laboratories**

Date: 29-May-09

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF 051909

Project: NOW Corp. Site

Lab ID: H0886-01

Collection Date: 05/19/09 11:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		0.50	µg/L	1	05/26/2009 16:00	43822
Chloroethane	ND		0.50	µg/L	1	05/26/2009 16:00	43822
1,1-Dichloroethene	ND		0.50	µg/L	1	05/26/2009 16:00	43822
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	05/26/2009 16:00	43822
Methyl tert-butyl ether	ND		0.50	µg/L	1	05/26/2009 16:00	43822
1,1-Dichloroethane	ND		0.50	µg/L	1	05/26/2009 16:00	43822
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	05/26/2009 16:00	43822
1,1,1-Trichloroethane	ND		0.50	µg/L	1	05/26/2009 16:00	43822
1,2-Dichloroethane	ND		0.50	µg/L	1	05/26/2009 16:00	43822
Benzene	ND		0.50	µg/L	1	05/26/2009 16:00	43822
Trichloroethene	ND		0.50	µg/L	1	05/26/2009 16:00	43822
Toluene	ND		0.50	µg/L	1	05/26/2009 16:00	43822
1,1,2-Trichloroethane	ND		0.50	µg/L	1	05/26/2009 16:00	43822
Tetrachloroethene	ND		0.50	µg/L	1	05/26/2009 16:00	43822
Chlorobenzene	ND		0.50	µg/L	1	05/26/2009 16:00	43822
Ethylbenzene	ND		0.50	µg/L	1	05/26/2009 16:00	43822
m,p-Xylene	ND		0.50	µg/L	1	05/26/2009 16:00	43822
o-Xylene	ND		0.50	µg/L	1	05/26/2009 16:00	43822
Surrogate: Dibromofluoromethane	107		88-124	%REC	1	05/26/2009 16:00	43822
Surrogate: 1,2-Dichloroethane-d4	93.9		79-115	%REC	1	05/26/2009 16:00	43822
Surrogate: Toluene-d8	97.9		80-114	%REC	1	05/26/2009 16:00	43822
Surrogate: Bromofluorobenzene	93.8		60-123	%REC	1	05/26/2009 16:00	43822

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

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

# Mitkem Laboratories

Date: 29-May-09

Client: AECOM Technical Services, Inc.

Client Sample ID: INF 051909

Project: NOW Corp. Site

Lab ID: H0886-02

Collection Date: 05/19/09 12:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>				<b>SW8260_25_W</b>
Vinyl chloride	ND	0.50 µg/L	1 05/26/2009 16:32	43822
Chloroethane	ND	0.50 µg/L	1 05/26/2009 16:32	43822
1,1-Dichloroethene	6.7	0.50 µg/L	1 05/26/2009 16:32	43822
trans-1,2-Dichloroethene	ND	0.50 µg/L	1 05/26/2009 16:32	43822
Methyl tert-butyl ether	ND	0.50 µg/L	1 05/26/2009 16:32	43822
1,1-Dichloroethane	97 E	0.50 µg/L	1 05/26/2009 16:32	43822
cis-1,2-Dichloroethene	11	0.50 µg/L	1 05/26/2009 16:32	43822
1,1,1-Trichloroethane	250 E	0.50 µg/L	1 05/26/2009 16:32	43822
1,2-Dichloroethane	ND	0.50 µg/L	1 05/26/2009 16:32	43822
Benzene	ND	0.50 µg/L	1 05/26/2009 16:32	43822
Trichloroethene	250 E	0.50 µg/L	1 05/26/2009 16:32	43822
Toluene	ND	0.50 µg/L	1 05/26/2009 16:32	43822
1,1,2-Trichloroethane	0.34 J	0.50 µg/L	1 05/26/2009 16:32	43822
Tetrachloroethene	ND	0.50 µg/L	1 05/26/2009 16:32	43822
Chlorobenzene	ND	0.50 µg/L	1 05/26/2009 16:32	43822
Ethylbenzene	ND	0.50 µg/L	1 05/26/2009 16:32	43822
m,p-Xylene	ND	0.50 µg/L	1 05/26/2009 16:32	43822
o-Xylene	ND	0.50 µg/L	1 05/26/2009 16:32	43822
Surrogate: Dibromofluoromethane	106	88-124 %REC	1 05/26/2009 16:32	43822
Surrogate: 1,2-Dichloroethane-d4	97.3	79-115 %REC	1 05/26/2009 16:32	43822
Surrogate: Toluene-d8	96.3	80-114 %REC	1 05/26/2009 16:32	43822
Surrogate: Bromofluorobenzene	94.2	60-123 %REC	1 05/26/2009 16:32	43822

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

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

# Mitkem Laboratories

Date: 29-May-09

Client: AECOM Technical Services, Inc.

Client Sample ID: INF 051909

Lab ID: H0886-02

Project: NOW Corp. Site

Collection Date: 05/19/09 12:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		8.0	µg/L		16 05/28/2009 14:18	43895
Chloroethane	ND		8.0	µg/L		16 05/28/2009 14:18	43895
1,1-Dichloroethene	6.5	J	8.0	µg/L		16 05/28/2009 14:18	43895
trans-1,2-Dichloroethene	ND		8.0	µg/L		16 05/28/2009 14:18	43895
Methyl tert-butyl ether	ND		8.0	µg/L		16 05/28/2009 14:18	43895
1,1-Dichloroethane	80		8.0	µg/L		16 05/28/2009 14:18	43895
cis-1,2-Dichloroethene	10		8.0	µg/L		16 05/28/2009 14:18	43895
1,1,1-Trichloroethane	250		8.0	µg/L		16 05/28/2009 14:18	43895
1,2-Dichloroethane	ND		8.0	µg/L		16 05/28/2009 14:18	43895
Benzene	ND		8.0	µg/L		16 05/28/2009 14:18	43895
Trichloroethene	220		8.0	µg/L		16 05/28/2009 14:18	43895
Toluene	ND		8.0	µg/L		16 05/28/2009 14:18	43895
1,1,2-Trichloroethane	ND		8.0	µg/L		16 05/28/2009 14:18	43895
Tetrachloroethene	ND		8.0	µg/L		16 05/28/2009 14:18	43895
Chlorobenzene	ND		8.0	µg/L		16 05/28/2009 14:18	43895
Ethylbenzene	ND		8.0	µg/L		16 05/28/2009 14:18	43895
m,p-Xylene	ND		8.0	µg/L		16 05/28/2009 14:18	43895
o-Xylene	ND		8.0	µg/L		16 05/28/2009 14:18	43895
Surrogate: Dibromofluoromethane	99.6		88-124	%REC		16 05/28/2009 14:18	43895
Surrogate: 1,2-Dichloroethane-d4	88.0		79-115	%REC		16 05/28/2009 14:18	43895
Surrogate: Toluene-d8	102		80-114	%REC		16 05/28/2009 14:18	43895
Surrogate: Bromofluorobenzene	95.3		60-123	%REC		16 05/28/2009 14:18	43895

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

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

# Mitkem Laboratories

Date: 29-May-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-1

Project: NOW Corp. Site

Lab ID: H0886-03

Collection Date: 05/19/09 12:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		0.50	µg/L	1	05/26/2009 17:04	43822
Chloroethane	ND		0.50	µg/L	1	05/26/2009 17:04	43822
1,1-Dichloroethene	8.3		0.50	µg/L	1	05/26/2009 17:04	43822
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	05/26/2009 17:04	43822
Methyl tert-butyl ether	ND		0.50	µg/L	1	05/26/2009 17:04	43822
1,1-Dichloroethane	54	E	0.50	µg/L	1	05/26/2009 17:04	43822
cis-1,2-Dichloroethene	6.4		0.50	µg/L	1	05/26/2009 17:04	43822
1,1,1-Trichloroethane	6.0		0.50	µg/L	1	05/26/2009 17:04	43822
1,2-Dichloroethane	ND		0.50	µg/L	1	05/26/2009 17:04	43822
Benzene	ND		0.50	µg/L	1	05/26/2009 17:04	43822
Trichloroethene	71	E	0.50	µg/L	1	05/26/2009 17:04	43822
Toluene	ND		0.50	µg/L	1	05/26/2009 17:04	43822
1,1,2-Trichloroethane	ND		0.50	µg/L	1	05/26/2009 17:04	43822
Tetrachloroethene	ND		0.50	µg/L	1	05/26/2009 17:04	43822
Chlorobenzene	ND		0.50	µg/L	1	05/26/2009 17:04	43822
Ethylbenzene	ND		0.50	µg/L	1	05/26/2009 17:04	43822
m,p-Xylene	ND		0.50	µg/L	1	05/26/2009 17:04	43822
o-Xylene	ND		0.50	µg/L	1	05/26/2009 17:04	43822
Surrogate: Dibromofluoromethane	106		88-124	%REC	1	05/26/2009 17:04	43822
Surrogate: 1,2-Dichloroethane-d4	103		79-115	%REC	1	05/26/2009 17:04	43822
Surrogate: Toluene-d8	94.3		80-114	%REC	1	05/26/2009 17:04	43822
Surrogate: Bromofluorobenzene	94.9		60-123	%REC	1	05/26/2009 17:04	43822

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

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



# Mitkem Laboratories

Date: 29-May-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-1

Project: NOW Corp. Site

Lab ID: H0886-03

Collection Date: 05/19/09 12:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		2.0	µg/L		4 05/28/2009 14:50	43895
Chloroethane	ND		2.0	µg/L		4 05/28/2009 14:50	43895
1,1-Dichloroethene	1.8	J	2.0	µg/L		4 05/28/2009 14:50	43895
trans-1,2-Dichloroethene	ND		2.0	µg/L		4 05/28/2009 14:50	43895
Methyl tert-butyl ether	ND		2.0	µg/L		4 05/28/2009 14:50	43895
1,1-Dichloroethane	28		2.0	µg/L		4 05/28/2009 14:50	43895
cis-1,2-Dichloroethene	3.6		2.0	µg/L		4 05/28/2009 14:50	43895
1,1,1-Trichloroethane	1.7	J	2.0	µg/L		4 05/28/2009 14:50	43895
1,2-Dichloroethane	ND		2.0	µg/L		4 05/28/2009 14:50	43895
Benzene	ND		2.0	µg/L		4 05/28/2009 14:50	43895
Trichloroethene	19		2.0	µg/L		4 05/28/2009 14:50	43895
Toluene	ND		2.0	µg/L		4 05/28/2009 14:50	43895
1,1,2-Trichloroethane	ND		2.0	µg/L		4 05/28/2009 14:50	43895
Tetrachloroethene	ND		2.0	µg/L		4 05/28/2009 14:50	43895
Chlorobenzene	ND		2.0	µg/L		4 05/28/2009 14:50	43895
Ethylbenzene	ND		2.0	µg/L		4 05/28/2009 14:50	43895
m,p-Xylene	ND		2.0	µg/L		4 05/28/2009 14:50	43895
o-Xylene	ND		2.0	µg/L		4 05/28/2009 14:50	43895
Surrogate: Dibromofluoromethane	95.7		88-124	%REC		4 05/28/2009 14:50	43895
Surrogate: 1,2-Dichloroethane-d4	89.2		79-115	%REC		4 05/28/2009 14:50	43895
Surrogate: Toluene-d8	104		80-114	%REC		4 05/28/2009 14:50	43895
Surrogate: Bromofluorobenzene	93.8		60-123	%REC		4 05/28/2009 14:50	43895

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 RL - Reporting Limit

# Mitkem Laboratories

Date: 29-May-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-2A

Lab ID: H0886-04

Project: NOW Corp. Site

Collection Date: 05/19/09 12:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		0.50	µg/L	1	05/26/2009 17:37	43822
Chloroethane	ND		0.50	µg/L	1	05/26/2009 17:37	43822
1,1-Dichloroethene	9.3		0.50	µg/L	1	05/26/2009 17:37	43822
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	05/26/2009 17:37	43822
Methyl tert-butyl ether	ND		0.50	µg/L	1	05/26/2009 17:37	43822
1,1-Dichloroethane	130	E	0.50	µg/L	1	05/26/2009 17:37	43822
cis-1,2-Dichloroethene	17		0.50	µg/L	1	05/26/2009 17:37	43822
1,1,1-Trichloroethane	350	E	0.50	µg/L	1	05/26/2009 17:37	43822
1,2-Dichloroethane	ND		0.50	µg/L	1	05/26/2009 17:37	43822
Benzene	ND		0.50	µg/L	1	05/26/2009 17:37	43822
Trichloroethene	340	E	0.50	µg/L	1	05/26/2009 17:37	43822
Toluene	ND		0.50	µg/L	1	05/26/2009 17:37	43822
1,1,2-Trichloroethane	0.37	J	0.50	µg/L	1	05/26/2009 17:37	43822
Tetrachloroethene	ND		0.50	µg/L	1	05/26/2009 17:37	43822
Chlorobenzene	ND		0.50	µg/L	1	05/26/2009 17:37	43822
Ethylbenzene	ND		0.50	µg/L	1	05/26/2009 17:37	43822
m,p-Xylene	ND		0.50	µg/L	1	05/26/2009 17:37	43822
o-Xylene	ND		0.50	µg/L	1	05/26/2009 17:37	43822
Surrogate: Dibromofluoromethane	105		88-124	%REC	1	05/26/2009 17:37	43822
Surrogate: 1,2-Dichloroethane-d4	91.1		79-115	%REC	1	05/26/2009 17:37	43822
Surrogate: Toluene-d8	95.1		80-114	%REC	1	05/26/2009 17:37	43822
Surrogate: Bromofluorobenzene	94.5		60-123	%REC	1	05/26/2009 17:37	43822

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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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: 29-May-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-2A

Project: NOW Corp. Site

Lab ID: H0886-04

Collection Date: 05/19/09 12:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		10	µg/L		20 05/28/2009 15:20	43895
Chloroethane	ND		10	µg/L		20 05/28/2009 15:20	43895
1,1-Dichloroethene	9.7	J	10	µg/L		20 05/28/2009 15:20	43895
trans-1,2-Dichloroethene	ND		10	µg/L		20 05/28/2009 15:20	43895
Methyl tert-butyl ether	ND		10	µg/L		20 05/28/2009 15:20	43895
1,1-Dichloroethane	160		10	µg/L		20 05/28/2009 15:20	43895
cis-1,2-Dichloroethene	21		10	µg/L		20 05/28/2009 15:20	43895
1,1,1-Trichloroethane	530		10	µg/L		20 05/28/2009 15:20	43895
1,2-Dichloroethane	ND		10	µg/L		20 05/28/2009 15:20	43895
Benzene	ND		10	µg/L		20 05/28/2009 15:20	43895
Trichloroethene	470		10	µg/L		20 05/28/2009 15:20	43895
Toluene	ND		10	µg/L		20 05/28/2009 15:20	43895
1,1,2-Trichloroethane	ND		10	µg/L		20 05/28/2009 15:20	43895
Tetrachloroethene	ND		10	µg/L		20 05/28/2009 15:20	43895
Chlorobenzene	ND		10	µg/L		20 05/28/2009 15:20	43895
Ethylbenzene	ND		10	µg/L		20 05/28/2009 15:20	43895
m,p-Xylene	ND		10	µg/L		20 05/28/2009 15:20	43895
o-Xylene	ND		10	µg/L		20 05/28/2009 15:20	43895
Surrogate: Dibromofluoromethane	92.4		88-124	%REC		20 05/28/2009 15:20	43895
Surrogate: 1,2-Dichloroethane-d4	81.1		79-115	%REC		20 05/28/2009 15:20	43895
Surrogate: Toluene-d8	107		80-114	%REC		20 05/28/2009 15:20	43895
Surrogate: Bromofluorobenzene	91.8		60-123	%REC		20 05/28/2009 15:20	43895

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

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



# Mitkem Laboratories

Date: 29-May-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-3

Project: NOW Corp. Site

Lab ID: H0886-05

Collection Date: 05/19/09 12:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							<b>SW8260_25_W</b>
Vinyl chloride	ND		0.50	µg/L	1	05/28/2009 13:48	43895
Chloroethane	0.30	J	0.50	µg/L	1	05/28/2009 13:48	43895
1,1-Dichloroethene	1.0		0.50	µg/L	1	05/28/2009 13:48	43895
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	05/28/2009 13:48	43895
Methyl tert-butyl ether	ND		0.50	µg/L	1	05/28/2009 13:48	43895
1,1-Dichloroethane	10		0.50	µg/L	1	05/28/2009 13:48	43895
cis-1,2-Dichloroethene	0.23	J	0.50	µg/L	1	05/28/2009 13:48	43895
1,1,1-Trichloroethane	2.5		0.50	µg/L	1	05/28/2009 13:48	43895
1,2-Dichloroethane	ND		0.50	µg/L	1	05/28/2009 13:48	43895
Benzene	ND		0.50	µg/L	1	05/28/2009 13:48	43895
Trichloroethene	11		0.50	µg/L	1	05/28/2009 13:48	43895
Toluene	ND		0.50	µg/L	1	05/28/2009 13:48	43895
1,1,2-Trichloroethane	ND		0.50	µg/L	1	05/28/2009 13:48	43895
Tetrachloroethene	ND		0.50	µg/L	1	05/28/2009 13:48	43895
Chlorobenzene	ND		0.50	µg/L	1	05/28/2009 13:48	43895
Ethylbenzene	ND		0.50	µg/L	1	05/28/2009 13:48	43895
m,p-Xylene	ND		0.50	µg/L	1	05/28/2009 13:48	43895
o-Xylene	ND		0.50	µg/L	1	05/28/2009 13:48	43895
Surrogate: Dibromofluoromethane	103		88-124	%REC	1	05/28/2009 13:48	43895
Surrogate: 1,2-Dichloroethane-d4	86.6		79-115	%REC	1	05/28/2009 13:48	43895
Surrogate: Toluene-d8	102		80-114	%REC	1	05/28/2009 13:48	43895
Surrogate: Bromofluorobenzene	94.6		60-123	%REC	1	05/28/2009 13:48	43895

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

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

# Mitkem Laboratories

Date: 29-May-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TRIP BLANK

Lab ID: H0886-06

Project: NOW Corp. Site

Collection Date: 05/19/09 00:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 8260 -- VOC by GC-MS (25 mL Purge)</b>							
<b>SW8260_25_W</b>							
Vinyl chloride	ND		0.50	µg/L		1 05/21/2009 11:14	43728
Chloroethane	ND		0.50	µg/L		1 05/21/2009 11:14	43728
1,1-Dichloroethene	ND		0.50	µg/L		1 05/21/2009 11:14	43728
trans-1,2-Dichloroethene	ND		0.50	µg/L		1 05/21/2009 11:14	43728
Methyl tert-butyl ether	ND		0.50	µg/L		1 05/21/2009 11:14	43728
1,1-Dichloroethane	ND		0.50	µg/L		1 05/21/2009 11:14	43728
cis-1,2-Dichloroethene	ND		0.50	µg/L		1 05/21/2009 11:14	43728
1,1,1-Trichloroethane	ND		0.50	µg/L		1 05/21/2009 11:14	43728
1,2-Dichloroethane	ND		0.50	µg/L		1 05/21/2009 11:14	43728
Benzene	ND		0.50	µg/L		1 05/21/2009 11:14	43728
Trichloroethene	ND		0.50	µg/L		1 05/21/2009 11:14	43728
Toluene	ND		0.50	µg/L		1 05/21/2009 11:14	43728
1,1,2-Trichloroethane	ND		0.50	µg/L		1 05/21/2009 11:14	43728
Tetrachloroethene	ND		0.50	µg/L		1 05/21/2009 11:14	43728
Chlorobenzene	ND		0.50	µg/L		1 05/21/2009 11:14	43728
Ethylbenzene	ND		0.50	µg/L		1 05/21/2009 11:14	43728
m,p-Xylene	ND		0.50	µg/L		1 05/21/2009 11:14	43728
o-Xylene	ND		0.50	µg/L		1 05/21/2009 11:14	43728
Surrogate: Dibromofluoromethane	96.1		88-124	%REC		1 05/21/2009 11:14	43728
Surrogate: 1,2-Dichloroethane-d4	88.9		79-115	%REC		1 05/21/2009 11:14	43728
Surrogate: Toluene-d8	103		80-114	%REC		1 05/21/2009 11:14	43728
Surrogate: Bromofluorobenzene	96.4		60-123	%REC		1 05/21/2009 11:14	43728

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

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

CLIENT: AECOM Technical Services, Inc.  
 Work Order: H0886  
 Project: NOW Corp. Site

**ANALYTICAL QC SUMMARY REPORT**  
 SW8260\_25\_W  
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID: MB-43728      SampType: MBLK      TestCode: SW8260\_25\_W      Prep Date: 05/21/2009      Run ID: V1\_090521A  
 Client ID: MB-43728      Batch ID: 43728      Units: µg/L      Analysis Date: 05/21/2009      SeqNo: 1035569

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.50									
Chloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Methyl tert-butyl ether	ND	0.50									
1,1-Dichloroethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	0.50									
Trichloroethene	ND	0.50									
Toluene	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
Tetrachloroethene	ND	0.50									
Chlorobenzene	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	0.50									
o-Xylene	ND	0.50									
Surrogate: Dibromofluoromethane	10.20		10.00	0	102	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	8.560		10.00	0	85.6	79	115	0			
Surrogate: Toluene-d8	10.35		10.00	0	103	80	114	0			
Surrogate: Bromofluorobenzene	9.469		10.00	0	94.7	60	123	0			

0012

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: H0886  
 Project: NOW Corp. Site

**ANALYTICAL QC SUMMARY REPORT**  
 SW8260 25\_W  
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID: MB-43822    SampType: MBLK    TestCode: SW8260\_25\_W    Run ID: V1\_090526A  
 Client ID: MB-43822    Batch ID: 43822    Units: µg/L    Analysis Date: 05/26/2009    SeqNo: 1037893  
 Prep Date: 05/26/2009

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.50									
Chloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Methyl tert-butyl ether	ND	0.50									
1,1-Dichloroethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	0.50									
Trichloroethene	ND	0.50									
Toluene	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
Tetrachloroethene	ND	0.50									
Chlorobenzene	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	0.50									
o-Xylene	ND	0.50									
Surrogate: Dibromofluoromethane	10.37		10.00	0	104	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.356		10.00	0	93.6	79	115	0			
Surrogate: Toluene-d8	9.731		10.00	0	97.3	80	114	0			
Surrogate: Bromofluorobenzene	9.011		10.00	0	90.1	60	123	0			

0010

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

# ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: H0886

SW8260\_25\_W

Project: NOW Corp. Site

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

Sample ID: MB-43895	SampType: MBLK	TestCode: SW8260_25_W	Prep Date: 05/28/2009	Run ID: V1_090528A						
Client ID: MB-43895	Batch ID: 43895	Units: µg/L	Analysis Date: 05/28/2009	SeqNo: 1039896						
Analyte	Result	PQL	SPK value	SPK Ref Val	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.50								
Chloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
trans-1,2-Dichloroethene	ND	0.50								
Methyl tert-butyl ether	ND	0.50								
1,1-Dichloroethane	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
1,1,1-Trichloroethane	ND	0.50								
1,2-Dichloroethane	ND	0.50								
Benzene	ND	0.50								
Trichloroethene	ND	0.50								
Toluene	ND	0.50								
1,1,2-Trichloroethane	ND	0.50								
Tetrachloroethene	ND	0.50								
Chlorobenzene	ND	0.50								
Ethylbenzene	ND	0.50								
m,p-Xylene	ND	0.50								
o-Xylene	ND	0.50								
Surrogate: Dibromofluoromethane	9.621	0.50	10.00	0	96.2	88	124	0		
Surrogate: 1,2-Dichloroethane-d4	8.803	0.50	10.00	0	88.0	79	115	0		
Surrogate: Toluene-d8	10.21	0.50	10.00	0	102	80	114	0		
Surrogate: Bromofluorobenzene	9.477	0.50	10.00	0	94.8	60	123	0		



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

**ANALYTICAL QC SUMMARY REPORT**

CLIENT: AECOM Technical Services, Inc.  
 Work Order: H0886  
 Project: NOW Corp. Site

SW8260\_25\_W  
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID: LCS-43728      SampType: LCS      TestCode: SW8260\_25\_W      Prep Date: 05/21/2009      Run ID: V1\_090521A  
 Client ID: LCS-43728      Batch ID: 43728      Units: µg/L      Analysis Date: 05/21/2009      SeqNo: 1035570

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.864	0.50	10.00	0	98.6	77	120	0			
Chloroethane	10.11	0.50	10.00	0	101	75	135	0			
1,1-Dichloroethane	10.51	0.50	10.00	0	105	81	125	0			
trans-1,2-Dichloroethane	10.41	0.50	10.00	0	104	60	137	0			
Methyl tert-butyl ether	9.375	0.50	10.00	0	93.8	61	134	0			
1,1-Dichloroethane	10.07	0.50	10.00	0	101	82	120	0			
cis-1,2-Dichloroethane	10.55	0.50	10.00	0	106	84	116	0			
1,1,1-Trichloroethane	9.994	0.50	10.00	0	99.9	80	124	0			
1,2-Dichloroethane	10.18	0.50	10.00	0	102	86	117	0			
Benzene	10.02	0.50	10.00	0	100	81	121	0			
Trichloroethene	10.39	0.50	10.00	0	104	74	123	0			
Toluene	9.926	0.50	10.00	0	99.3	88	117	0			
1,1,2-Trichloroethane	9.616	0.50	10.00	0	96.2	83	121	0			
Tetrachloroethene	9.968	0.50	10.00	0	99.7	74	115	0			
Chlorobenzene	9.967	0.50	10.00	0	99.7	83	112	0			
Ethylbenzene	10.25	0.50	10.00	0	103	87	110	0			
m,p-Xylene	20.23	0.50	20.00	0	101	87	114	0			
o-Xylene	10.00	0.50	10.00	0	100	84	114	0			
Surrogate: Dibromofluoromethane	10.74	0.50	10.00	0	107	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.859	0.50	10.00	0	98.6	79	115	0			
Surrogate: Toluene-d8	10.11	0.50	10.00	0	101	80	114	0			
Surrogate: Bromofluorobenzene	9.821	0.50	10.00	0	98.2	60	123	0			

0015

Qualifiers:      N/D - 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: H0886  
 Project: NOW Corp. Site

### ANALYTICAL QC SUMMARY REPORT

SW8260 25\_W  
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID: LCS-43822    SampType: LCS    TestCode: SW8260\_25\_W    Prep Date: 05/26/2009    Run ID: V1\_090526A

Client ID: LCS-43822    Batch ID: 43822    Units: µg/L    Analysis Date: 05/26/2009    SeqNo: 1037894

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.489	0.50	10.00	0	94.9	77	120	0			
Chloroethane	9.611	0.50	10.00	0	96.1	75	135	0			
1,1-Dichloroethene	9.608	0.50	10.00	0	96.1	81	125	0			
trans-1,2-Dichloroethene	11.33	0.50	10.00	0	113	60	137	0			
Methyl tert-butyl ether	9.252	0.50	10.00	0	92.5	61	134	0			
1,1-Dichloroethane	10.00	0.50	10.00	0	100	82	120	0			
cis-1,2-Dichloroethene	10.57	0.50	10.00	0	106	84	116	0			
1,1,1-Trichloroethane	10.20	0.50	10.00	0	102	80	124	0			
1,2-Dichloroethane	9.642	0.50	10.00	0	96.4	86	117	0			
Benzene	10.22	0.50	10.00	0	102	81	121	0			
Trichloroethene	11.29	0.50	10.00	0	113	74	123	0			
Toluene	10.26	0.50	10.00	0	103	88	117	0			
1,1,2-Trichloroethane	10.12	0.50	10.00	0	101	83	121	0			
Tetrachloroethene	10.32	0.50	10.00	0	103	74	115	0			
Chlorobenzene	9.424	0.50	10.00	0	94.2	83	112	0			
Ethylbenzene	9.775	0.50	10.00	0	97.7	87	110	0			
m,p-Xylene	18.82	0.50	20.00	0	94.1	87	114	0			
o-Xylene	9.354	0.50	10.00	0	93.5	84	114	0			
Surrogate: Dibromofluoromethane	10.23	0.50	10.00	0	102	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	10.36	0.50	10.00	0	104	79	115	0			
Surrogate: Toluene-d8	9.664	0.50	10.00	0	96.6	80	114	0			
Surrogate: Bromofluorobenzene	9.649	0.50	10.00	0	96.5	60	123	0			

05/26/09

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: H0886  
 Project: NOW Corp. Site

**ANALYTICAL QC SUMMARY REPORT**  
 SW8260\_25\_W  
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID: LCS-43895    SampType: LCS    TestCode: SW8260\_25\_W    Prep Date: 05/28/2009    Run ID: V1\_090528A  
 Client ID: LCS-43895    Batch ID: 43895    Units: µg/L    Analysis Date: 05/28/2009    SeqNo: 1039897

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.801	0.50	10.00	0	98.0	77	120	0			
Chloroethane	9.383	0.50	10.00	0	93.8	75	135	0			
1,1-Dichloroethene	10.19	0.50	10.00	0	102	81	125	0			
trans-1,2-Dichloroethene	11.14	0.50	10.00	0	111	60	137	0			
Methyl tert-butyl ether	8.204	0.50	10.00	0	82.0	61	134	0			
1,1-Dichloroethane	10.09	0.50	10.00	0	101	82	120	0			
cis-1,2-Dichloroethene	9.859	0.50	10.00	0	98.6	84	116	0			
1,1,1-Trichloroethane	11.05	0.50	10.00	0	111	80	124	0			
1,2-Dichloroethane	8.944	0.50	10.00	0	89.4	86	117	0			
Benzene	9.968	0.50	10.00	0	99.7	81	121	0			
Trichloroethene	10.93	0.50	10.00	0	109	74	123	0			
Toluene	9.972	0.50	10.00	0	99.7	88	117	0			
1,1,2-Trichloroethane	9.460	0.50	10.00	0	94.6	83	121	0			
Tetrachloroethene	10.68	0.50	10.00	0	107	74	115	0			
Chlorobenzene	10.18	0.50	10.00	0	102	83	112	0			
Ethylbenzene	11.16	0.50	10.00	0	112	87	110	0			S
m,p-Xylene	21.55	0.50	20.00	0	108	87	114	0			
o-Xylene	10.54	0.50	10.00	0	105	84	114	0			
Surrogate: Dibromofluoromethane	9.923	0.50	10.00	0	99.2	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.634	0.50	10.00	0	96.3	79	115	0			
Surrogate: Toluene-d8	10.34	0.50	10.00	0	103	80	114	0			
Surrogate: Bromofluorobenzene	9.539	0.50	10.00	0	95.4	60	123	0			

0017

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



# ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.  
 Work Order: H0886  
 Project: NOW Corp. Site

SW8260\_25\_W  
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Run ID: V1\_090521A  
 SeqNo: 1035650

Prep Date: 05/21/2009  
 Analysis Date: 05/21/2009

TestCode: SW8260\_25\_W  
 Units: µg/L

SampType: LCSD  
 Batch ID: 43728

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.832	0.50	10.00	0	98.3	77	120	9.864	0.327	40	
Chloroethane	10.14	0.50	10.00	0	101	75	135	10.11	0.314	40	
1,1-Dichloroethene	10.47	0.50	10.00	0	105	81	125	10.51	0.343	40	
trans-1,2-Dichloroethene	9.995	0.50	10.00	0	99.9	60	137	10.41	4.11	40	
Methyl tert-butyl ether	9.540	0.50	10.00	0	95.4	61	134	9.375	1.74	40	
1,1-Dichloroethane	10.23	0.50	10.00	0	102	82	120	10.07	1.63	40	
cis-1,2-Dichloroethane	10.78	0.50	10.00	0	108	84	116	10.55	2.12	40	
1,1,1-Trichloroethane	9.628	0.50	10.00	0	96.3	80	124	9.994	3.73	40	
1,2-Dichloroethane	9.776	0.50	10.00	0	97.8	86	117	10.18	4.04	40	
Benzene	9.780	0.50	10.00	0	97.8	81	121	10.02	2.38	40	
Trichloroethene	10.14	0.50	10.00	0	101	74	123	10.39	2.46	40	
Toluene	9.992	0.50	10.00	0	99.9	88	117	9.926	0.671	40	
1,1,2-Trichloroethane	9.860	0.50	10.00	0	98.6	83	121	9.616	2.5	40	
Tetrachloroethene	10.18	0.50	10.00	0	102	74	115	9.968	2.06	40	
Chlorobenzene	10.24	0.50	10.00	0	102	83	112	9.967	2.66	40	
Ethylbenzene	10.33	0.50	10.00	0	103	87	110	10.25	0.81	40	
m,p-Xylene	20.53	0.50	20.00	0	103	87	114	20.23	1.46	40	
o-Xylene	10.12	0.50	10.00	0	101	84	114	10.00	1.16	40	
Surrogate: Dibromofluoromethane	9.851	0.50	10.00	0	98.5	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	8.447	0.50	10.00	0	84.5	79	115	0			
Surrogate: Toluene-d8	10.34	0.50	10.00	0	103	80	114	0			
Surrogate: Bromofluorobenzene	10.04	0.50	10.00	0	100	60	123	0			

0010

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

CLIENT: AECOM Technical Services, Inc.  
 Work Order: H0886  
 Project: NOW Corp. Site

# ANALYTICAL QC SUMMARY REPORT

SW8260\_25\_W  
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID: LCSD-43822    SampType: LCSD    TestCode: SW8260\_25\_W    Prep Date: 05/26/2009    Run ID: V1\_090526A  
 Client ID: LCSD-43822    Batch ID: 43822    Units: µg/L    Analysis Date: 05/26/2009    SeqNo: 1037895

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.877	0.50	10.00	0	98.8	77	120	9.489	4.0	40	
Chloroethane	10.22	0.50	10.00	0	102	75	135	9.611	6.14	40	
1,1-Dichloroethene	10.36	0.50	10.00	0	104	81	125	9.608	7.5	40	
trans-1,2-Dichloroethene	11.17	0.50	10.00	0	112	60	137	11.33	1.47	40	
Methyl tert-butyl ether	9.500	0.50	10.00	0	95.0	61	134	9.252	2.64	40	
1,1-Dichloroethane	10.40	0.50	10.00	0	104	82	120	10.00	3.93	40	
cis-1,2-Dichloroethene	11.05	0.50	10.00	0	110	84	116	10.57	4.4	40	
1,1,1-Trichloroethane	10.47	0.50	10.00	0	105	80	124	10.20	2.64	40	
1,2-Dichloroethane	9.711	0.50	10.00	0	97.1	86	117	9.642	0.71	40	
Benzene	10.67	0.50	10.00	0	107	81	121	10.22	4.35	40	
Trichloroethene	11.51	0.50	10.00	0	115	74	123	11.29	1.94	40	
Toluene	10.35	0.50	10.00	0	103	88	117	10.26	0.784	40	
1,1,2-Trichloroethane	10.49	0.50	10.00	0	105	83	121	10.12	3.56	40	
Tetrachloroethene	10.56	0.50	10.00	0	106	74	115	10.32	2.34	40	
Chlorobenzene	9.735	0.50	10.00	0	97.3	83	112	9.424	3.25	40	
Ethylbenzene	10.14	0.50	10.00	0	101	87	110	9.775	3.69	40	
m,p-Xylene	19.68	0.50	20.00	0	98.4	87	114	18.82	4.51	40	
o-Xylene	10.15	0.50	10.00	0	102	84	114	9.354	8.21	40	
Surrogate: Dibromofluoromethane	11.10	0.50	10.00	0	111	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	10.05	0.50	10.00	0	101	79	115	0			
Surrogate: Toluene-d8	9.579	0.50	10.00	0	95.8	80	114	0			
Surrogate: Bromofluorobenzene	9.826	0.50	10.00	0	98.3	60	123	0			

0010

Qualifiers:    NID - 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: H0886  
 Project: NOW Corp. Site

# ANALYTICAL QC SUMMARY REPORT

SW8260 25\_W  
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID: LCSD-43895    Prep Date: 05/28/2009    Run ID: V1\_090528A  
 Client ID: LCSD-43895    Analysis Date: 05/28/2009    SeqNo: 1039898

TestCode: SW8260\_25\_W  
 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.286	0.50	10.00	0	92.9	77	120	9.801	5.39	40	
Chloroethane	9.289	0.50	10.00	0	92.9	75	135	9.383	1.01	40	
1,1-Dichloroethene	10.03	0.50	10.00	0	100	81	125	10.19	1.59	40	
trans-1,2-Dichloroethene	10.28	0.50	10.00	0	103	60	137	11.14	8.01	40	
Methyl tert-butyl ether	7.716	0.50	10.00	0	77.2	61	134	8.204	6.13	40	
1,1-Dichloroethane	9.991	0.50	10.00	0	99.9	82	120	10.09	1.01	40	
cis-1,2-Dichloroethene	10.15	0.50	10.00	0	102	84	116	9.859	2.91	40	
1,1,1-Trichloroethane	10.41	0.50	10.00	0	104	80	124	11.05	6.01	40	
1,2-Dichloroethane	8.852	0.50	10.00	0	88.5	86	117	8.944	1.03	40	
Benzene	9.631	0.50	10.00	0	96.3	81	121	9.968	3.45	40	
Trichloroethene	10.63	0.50	10.00	0	106	74	123	10.93	2.76	40	
Toluene	9.604	0.50	10.00	0	96.0	88	117	9.972	3.76	40	
1,1,2-Trichloroethane	9.023	0.50	10.00	0	90.2	83	121	9.460	4.73	40	
Tetrachloroethene	10.54	0.50	10.00	0	105	74	115	10.68	1.31	40	
Chlorobenzene	9.849	0.50	10.00	0	98.5	83	112	10.18	3.3	40	
Ethylbenzene	10.60	0.50	10.00	0	106	87	110	11.16	5.11	40	
m,p-Xylene	20.88	0.50	20.00	0	104	87	114	21.55	3.17	40	
o-Xylene	10.22	0.50	10.00	0	102	84	114	10.54	3.0	40	
Surrogate: Dibromofluoromethane	10.50	0.50	10.00	0	105	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.623	0.50	10.00	0	96.2	79	115	0			
Surrogate: Toluene-d8	10.34	0.50	10.00	0	103	80	114	0			
Surrogate: Bromofluorobenzene	9.807	0.50	10.00	0	98.1	60	123	0			

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

# Mitkem Laboratories

Date: 29-May-09

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF 051909

Lab ID: H0886-01

Project: NOW Corp. Site

Collection Date: 05/19/09 11:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA 1664 -- Oil & Grease, HEM							E1664
Oil & Grease, Total Recoverable	ND		5.0	mg/L	1	05/29/2009 0:00	43929

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

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

**Mitkem Laboratories**

Date: 29-May-09

Client: AECOM Technical Services, Inc.

Client Sample ID: INF 051909

Project: NOW Corp. Site

Lab ID: H0886-02

Collection Date: 05/19/09 12:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>EPA 1664 -- Oil &amp; Grease, HEM</b>							<b>E1664</b>
Oil & Grease, Total Recoverable	ND		5.0	mg/L	1	05/29/2009 0:00	43929

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

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

**ANALYTICAL QC SUMMARY REPORT**

**CLIENT:** AECOM Technical Services, Inc.  
**Work Order:** H0886  
**Project:** NOW Corp. Site

**E1664**  
**EPA 1664 -- Oil & Grease, HEM**

Sample ID: MB-43929	SampType: MBLK	TestCode: E1664	Prep Date: 5/29/2009	Run ID: MANUAL_090529C
Client ID: MB-43929	Batch ID: 43929	Units: mg/L	Analysis Date: 5/29/2009	SeqNo: 1040221
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Oil & Grease, Total Recoverable	ND	5.0	0	RPD Ref Val %RPD RPDLimit Qual

Sample ID: LCS-43929	SampType: LCS	TestCode: E1664	Prep Date: 5/29/2009	Run ID: MANUAL_090529C
Client ID: LCS-43929	Batch ID: 43929	Units: mg/L	Analysis Date: 5/29/2009	SeqNo: 1040219
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Oil & Grease, Total Recoverable	32.90	5.0	0	RPD Ref Val %RPD RPDLimit Qual

Sample ID: LCSD-43929	SampType: LCSD	TestCode: E1664	Prep Date: 5/29/2009	Run ID: MANUAL_090529C
Client ID: LCSD-43929	Batch ID: 43929	Units: mg/L	Analysis Date: 5/29/2009	SeqNo: 1040220
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Oil & Grease, Total Recoverable	31.90	5.0	0	RPD Ref Val %RPD RPDLimit Qual

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

**Mitkem Laboratories**

Date: 28-May-09

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF 051909

Project: NOW Corp. Site

Lab ID: H0886-01

Collection Date: 05/19/09 11:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 6010 -- Metals by ICP</b>							<b>SW6010_W</b>
Aluminum	ND		200	µg/L	1	05/26/2009 12:37	43799
Arsenic	ND		20	µg/L	1	05/26/2009 12:37	43799
Barium	67	J	200	µg/L	1	05/26/2009 12:37	43799
Chromium	ND		20	µg/L	1	05/26/2009 12:37	43799
Copper	ND		25	µg/L	1	05/26/2009 12:37	43799
Iron	ND		200	µg/L	1	05/26/2009 12:37	43799
Manganese	61		50	µg/L	1	05/26/2009 12:37	43799
Nickel	ND		50	µg/L	1	05/26/2009 12:37	43799
Zinc	23	BJ	50	µg/L	1	05/26/2009 12:37	43799
<b>SW846 7470 -- Mercury by FIA</b>							<b>SW7470</b>
Mercury	ND		0.20	µg/L	1	05/27/2009 7:20	43796

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

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

**Mitkem Laboratories**

Date: 28-May-09

Client: AECOM Technical Services, Inc.

Client Sample ID: INF 051909

Project: NOW Corp. Site

Lab ID: H0886-02

Collection Date: 05/19/09 12:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SW846 6010 -- Metals by ICP</b>							<b>SW6010_W</b>
Aluminum	ND		200	µg/L	1	05/26/2009 12:40	43799
Arsenic	ND		20	µg/L	1	05/26/2009 12:40	43799
Barium	66	J	200	µg/L	1	05/26/2009 12:40	43799
Chromium	ND		20	µg/L	1	05/26/2009 12:40	43799
Copper	ND		25	µg/L	1	05/26/2009 12:40	43799
Iron	ND		200	µg/L	1	05/26/2009 12:40	43799
Manganese	94		50	µg/L	1	05/26/2009 12:40	43799
Nickel	ND		50	µg/L	1	05/26/2009 12:40	43799
Zinc	21	BJ	50	µg/L	1	05/26/2009 12:40	43799
<b>SW846 7470 -- Mercury by FIA</b>							<b>SW7470</b>
Mercury	ND		0.20	µg/L	1	05/27/2009 7:21	43796

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

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



**ANALYTICAL QC SUMMARY REPORT**

CLIENT: AECOM Technical Services, Inc.  
 Work Order: H0886  
 Project: NOW Corp. Site

SW6010\_W  
 SW846 6010 -- Metals by ICP

Sample ID: MB-43799    SampType: MBLK    TestCode: SW6010\_W    Run ID: OPTIMA3\_090526D  
 Client ID: MB-43799    Batch ID: 43799    Units: µg/L    Analysis Date: 5/26/2009    SeqNo: 1037494

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	200									
Arsenic	ND	20									
Barium	ND	200									
Chromium	ND	20									
Copper	ND	30									
Iron	ND	200									
Manganese	ND	50									
Nickel	ND	50									
Zinc	17.44	50									J

Sample ID: LCS-43799    SampType: LCS    TestCode: SW6010\_W    Run ID: OPTIMA3\_090526D  
 Client ID: LCS-43799    Batch ID: 43799    Units: µg/L    Analysis Date: 5/26/2009    SeqNo: 1037495

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9764	200	9100	0	107	80	120	0			
Arsenic	499.4	20	455.0	0	110	80	120	0			
Barium	9866	200	9100	0	108	80	120	0			
Chromium	1007	20	910.0	0	111	80	120	0			
Copper	1215	30	1130	0	108	80	120	0			
Iron	5177	200	4550	0	114	80	120	0			
Manganese	2554	50	2270	0	113	80	120	0			
Nickel	2526	50	2270	0	111	80	120	0			
Zinc	2534	50	2270	0	112	80	120	0			B

5520

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: H0886  
 Project: NOW Corp. Site

# ANALYTICAL QC SUMMARY REPORT

SW6010\_W  
 SW846 6010 -- Metals by ICP

Sample ID: LCSD-43799    SampType: LCSD    TestCode: SW6010\_W    Run ID: OPTIMA3\_090526D  
 Client ID: LCSD-43799    Batch ID: 43799    Units: µg/L    Analysis Date: 5/26/2009    SeqNo: 1037496  
 Prep Date: 5/22/2009

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9789	200	9100	0	108	80	120	9764	0.258	20	
Arsenic	495.2	20	455.0	0	109	80	120	499.4	0.839	20	
Barium	9724	200	9100	0	107	80	120	9866	1.45	20	
Chromium	1013	20	910.0	0	111	80	120	1007	0.511	20	
Copper	1213	30	1130	0	107	80	120	1215	0.144	20	
Iron	5147	200	4550	0	113	80	120	5177	0.586	20	
Manganese	2519	50	2270	0	111	80	120	2554	1.38	20	
Nickel	2530	50	2270	0	111	80	120	2526	0.152	20	
Zinc	2542	50	2270	0	112	80	120	2534	0.305	20	B

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

# ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.  
 Work Order: H0886  
 Project: NOW Corp. Site

SW7470  
 SW846 7470 -- Mercury by FIA

Sample ID: MB-43796	SampType: MBLK	TestCode: SW7470	Prep Date: 5/22/2009	Run ID: FIMS1_090527A	
Client ID: MB-43796	Batch ID: 43796	Units: µg/L	Analysis Date: 5/27/2009	SeqNo: 1037390	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit HighLimit
Mercury	ND	0.20	0	94.8	80 120
			SPK value	RPD Ref Val	%RPD RPDLimit
			4.550	0	0

Sample ID: LCS-43796	SampType: LCS	TestCode: SW7470	Prep Date: 5/22/2009	Run ID: FIMS1_090527A	
Client ID: LCS-43796	Batch ID: 43796	Units: µg/L	Analysis Date: 5/27/2009	SeqNo: 1037391	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit HighLimit
Mercury	4.312	0.20	0	94.8	80 120
			SPK value	RPD Ref Val	%RPD RPDLimit
			4.550	0	0

Sample ID: LCSD-43796	SampType: LCSD	TestCode: SW7470	Prep Date: 5/22/2009	Run ID: FIMS1_090527A	
Client ID: LCSD-43796	Batch ID: 43796	Units: µg/L	Analysis Date: 5/27/2009	SeqNo: 1037392	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit HighLimit
Mercury	4.470	0.20	0	98.2	80 120
			SPK value	RPD Ref Val	%RPD RPDLimit
			4.550	0	0
			4.312	4.312	3.59 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

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**Mitkem Laboratories**

Date: 26-May-09

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF 051909

Project: NOW Corp. Site

Lab ID: H0886-01

Collection Date: 05/19/09 11:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SM 2540C -- TOTAL DISSOLVED SOLIDS</b>							<b>SM2540_TDS</b>
Total Dissolved Solids	230		10	mg/L		1 05/21/2009 16:36	43749
<b>SM 2540D -- TOTAL SUSPENDED SOLIDS</b>							<b>SM2540_TSS</b>
Total Suspended Solids	12		10	mg/L		1 05/21/2009 16:36	43750
<b>SW846 9012 -- Total Cyanide</b>							<b>SW9012_W</b>
Cyanide	ND		10	µg/L		1 05/22/2009 14:49	43781

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

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

**Mitkem Laboratories**

Date: 26-May-09

Client: AECOM Technical Services, Inc.

Client Sample ID: INF 051909

Lab ID: H0886-02

Project: NOW Corp. Site

Collection Date: 05/19/09 12:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SM 2540C -- TOTAL DISSOLVED SOLIDS</b>							<b>SM2540_TDS</b>
Total Dissolved Solids	110		10	mg/L		1 05/21/2009 16:37	43749
<b>SM 2540D -- TOTAL SUSPENDED SOLIDS</b>							<b>SM2540_TSS</b>
Total Suspended Solids	9.0	J	10	mg/L		1 05/21/2009 16:37	43750
<b>SW846 9012 -- Total Cyanide</b>							<b>SW9012_W</b>
Cyanide	ND		10	µg/L		1 05/22/2009 15:02	43781

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

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

**ANALYTICAL QC SUMMARY REPORT**

CLIENT: AECOM Technical Services, Inc.  
 Work Order: H0886  
 Project: NOW Corp. Site

SM2540 TDS  
 SM 2540C -- TOTAL DISSOLVED SOLIDS

Sample ID: MB-43749	SampType: MBLK	TestCode: SM2540_TDS	Prep Date: 5/21/2009	Run ID: MANUAL_090521C
Client ID: MB-43749	Batch ID: 43749	Units: mg/L	Analysis Date: 5/21/2009	SeqNo: 1036104
Analyte	Result	PQL	SPK Ref Val	%REC
Total Dissolved Solids	ND	10	SPK value	LowLimit HighLimit
			RPD Ref Val	%RPD RPDLimit
				Qual

Sample ID: LCS-43749	SampType: LCS	TestCode: SM2540_TDS	Prep Date: 5/21/2009	Run ID: MANUAL_090521C
Client ID: LCS-43749	Batch ID: 43749	Units: mg/L	Analysis Date: 5/21/2009	SeqNo: 1036105
Analyte	Result	PQL	SPK Ref Val	%REC
Total Dissolved Solids	543.0	10	SPK value	LowLimit HighLimit
			RPD Ref Val	%RPD RPDLimit
				Qual

Sample ID: H0886-02CDUP	SampType: DUP	TestCode: SM2540_TDS	Prep Date: 5/21/2009	Run ID: MANUAL_090521C
Client ID: INF 051909	Batch ID: 43749	Units: mg/L	Analysis Date: 5/21/2009	SeqNo: 1036111
Analyte	Result	PQL	SPK Ref Val	%REC
Total Dissolved Solids	99.00	10	SPK value	LowLimit HighLimit
			RPD Ref Val	%RPD RPDLimit
				Qual

0031

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

# ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.  
 Work Order: H0886  
 Project: NOW Corp. Site

SM2540\_TSS  
 SM 2540D -- TOTAL SUSPENDED SOLIDS

Sample ID: MB-43750	SampType: MBLK	TestCode: SM2540_TSS	Prep Date: 5/21/2009	Run ID: MANUAL_090521D	
Client ID: MB-43750	Batch ID: 43750	Units: mg/L	Analysis Date: 5/21/2009	SeqNo: 1035836	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit HighLimit
	ND	10			RPD Ref Val %RPD RPDLimit Qual
Total Suspended Solids					

Sample ID: LCS-43750	SampType: LCS	TestCode: SM2540_TSS	Prep Date: 5/21/2009	Run ID: MANUAL_090521D	
Client ID: LCS-43750	Batch ID: 43750	Units: mg/L	Analysis Date: 5/21/2009	SeqNo: 1035837	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit HighLimit
	42.00	10	0	107	80 120 0
Total Suspended Solids					

Sample ID: H0886-02CDUP	SampType: DUP	TestCode: SM2540_TSS	Prep Date: 5/21/2009	Run ID: MANUAL_090521D	
Client ID: INF 051909	Batch ID: 43750	Units: mg/L	Analysis Date: 5/21/2009	SeqNo: 1035844	
Analyte	Result	PQL	SPK Ref Val	%REC	LowLimit HighLimit
	11.00	10	0	0	0 0 0 9.000 20 20
Total Suspended Solids					

0032

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

# ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: H0886

Project: NOW Corp. Site

SW9012\_W

SW846 9012 -- Total Cyanide

Sample ID: MB-43781	SampType: MBLK	TestCode: SW9012_W	Prep Date: 5/22/2009	Run ID: LACHAT1_090522B
Client ID: MB-43781	Batch ID: 43781	Units: µg/L	Analysis Date: 5/22/2009	SeqNo: 1035941
Analyte	Result	PQL	SPK Ref Val	%REC
Cyanide	ND	20	0	81.6
			SPK value	LowLimit
			100.0	80
			RPD Ref Val	%RPD
			0	120
			RPDLimit	Qual

Sample ID: LCS-43781	SampType: LCS	TestCode: SW9012_W	Prep Date: 5/22/2009	Run ID: LACHAT1_090522B
Client ID: LCS-43781	Batch ID: 43781	Units: µg/L	Analysis Date: 5/22/2009	SeqNo: 1035942
Analyte	Result	PQL	SPK Ref Val	%REC
Cyanide	81.60	20	0	81.6
			SPK value	LowLimit
			100.0	80
			RPD Ref Val	%RPD
			0	120
			RPDLimit	Qual

Sample ID: H0886-01DDUP	SampType: DUP	TestCode: SW9012_W	Prep Date: 5/22/2009	Run ID: LACHAT1_090522B
Client ID: EFF 051909	Batch ID: 43781	Units: µg/L	Analysis Date: 5/22/2009	SeqNo: 1035947
Analyte	Result	PQL	SPK Ref Val	%REC
Cyanide	ND	10	0	0
			SPK value	LowLimit
			0	0
			RPD Ref Val	%RPD
			0	0
			RPDLimit	Qual
			0	20

Sample ID: H0886-01DMS	SampType: MS	TestCode: SW9012_W	Prep Date: 5/22/2009	Run ID: LACHAT1_090522B
Client ID: EFF 051909	Batch ID: 43781	Units: µg/L	Analysis Date: 5/22/2009	SeqNo: 1035948
Analyte	Result	PQL	SPK Ref Val	%REC
Cyanide	90.12	10	0	90.1
			SPK value	LowLimit
			100.0	75
			RPD Ref Val	%RPD
			0	125
			RPDLimit	Qual
			0	0

9233

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**

21/May/09 8:30

**WorkOrder: H0886**

Client ID: EARTH\_NY  
 Project: NOW Corp. Site  
 Location:  
 Comments: N/A

Case: HC Due: 06/05/09 Report Level: LEVEL 2  
 SDG: Fax Due: EDD:  
 PO: 94017.02

Lab Samp ID	Client Sample ID	Matrix	Collection Date	Date Recv'd	Test Code	Lab Test Comments	HS	HT	MS	SEL	Storage
H0886-01A	EFF 051909	Aqueous	05/19/2009 11:40	05/20/2009	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H0886-01B	EFF 051909	Aqueous	05/19/2009 11:40	05/20/2009	SW6010_W	See SEL list	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		M6
					SW7470	See SEL list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		M6
H0886-01C	EFF 051909	Aqueous	05/19/2009 11:40	05/20/2009	SM2540_TDS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		C3
					SM2540_TSS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		C3
H0886-01D	EFF 051909	Aqueous	05/19/2009 11:40	05/20/2009	SW9012_W		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		C3
H0886-01E	EFF 051909	Aqueous	05/19/2009 11:40	05/20/2009	E1664		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		C3
H0886-02A	INF 051909	Aqueous	05/19/2009 12:00	05/20/2009	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		VOA
H0886-02B	INF 051909	Aqueous	05/19/2009 12:00	05/20/2009	SW6010_W	See SEL list	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		M6
					SW7470	See SEL list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		M6
H0886-02C	INF 051909	Aqueous	05/19/2009 12:00	05/20/2009	SM2540_TDS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		C3
					SM2540_TSS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		C3
H0886-02D	INF 051909	Aqueous	05/19/2009 12:00	05/20/2009	SW9012_W		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		C3

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

**Mitkem Laboratories**

21/May/09 8:30

**WorkOrder: H0886**

Client ID: EARTH\_NY

Project: NOW Corp. Site

Location:

Comments: N/A

Case:

SDG:

PO: 94017.02

HC Due: 06/05/09

Fax Due:

Report Level: LEVEL 2

EDD:

Lab Samp ID	Client Sample ID	Matrix	Collection Date	Date Recv'd	Test Code	Lab Test Comments	HS	HT	MS	SEL	Storage
H0886-02E	INF 051909	Aqueous	05/19/2009 12:00	05/20/2009	E1664		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C3
H0886-03A	TW-1	Aqueous	05/19/2009 12:15	05/20/2009	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	VOA
H0886-04A	TW-2A	Aqueous	05/19/2009 12:20	05/20/2009	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	VOA
H0886-05A	TW-3	Aqueous	05/19/2009 12:25	05/20/2009	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	VOA
H0886-06A	TRIP BLANK	Aqueous	05/19/2009 0:00	05/20/2009	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	VOA

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



**MITKEM LABORATORIES**  
**Sample Condition Form**

Received By: <u>ARH</u>	Reviewed By: <u>VEG</u>	Date: <u>5/20/09</u>	MITKEM Workorder #: <u>110886</u>				
Client Project: <u>New Corp</u>		Client: <u>AECOM</u>			Soil Headspace or Air Bubbles $\geq 1/4"$		
	Lab Sample ID	Preservation (pH)					VOA Matrix
		HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	HCl	NaOH	H <sub>3</sub> PO <sub>4</sub>	
1) Cooler Sealed <u>Yes</u> / No	<u>H0886</u> 01	<u>L2</u>		<u>L2</u>	<u>&gt; 12</u>	<u>H</u>	
	↓ 02	<u>L2</u>		<u>L2</u>	<u>712</u>		
2) Custody Seal(s) <u>Present</u> / Absent	03						
<u>Coolers</u> / Bottles	04						
<u>Intact</u> / Broken	05						
	<u>H0886</u> 06					<u>H</u>	
3) Custody Seal Number(s) <u>NA</u>	<div style="font-size: 2em; font-weight: bold;">/</div>						
4) Chain-of-Custody <u>Present</u> / Absent							
5) Cooler Temperature <u>4°C</u>							
Coolant Condition <u>Ice</u>							
6) Airbill(s) <u>Present</u> / Absent							
Airbill Number(s) <u>FEDER</u>							
<u>865999021843</u>							
7) Sample Bottles <u>Intact</u> / Broken / Leaking							
8) Date Received <u>5/20/09</u>							
9) Time Received <u>8:55</u>							
Preservative Name/Lot No:							

**VOA Matrix Key:**

<b>US</b> = Unpreserved Soil	<b>A</b> = Air
<b>UA</b> = Unpreserved Aqu.	<b>H</b> = HCl
<b>M</b> = MeOH	<b>E</b> = Encore
<b>N</b> = NaHSO <sub>4</sub>	<b>F</b> = Freeze

See Sample Condition Notification/Corrective Action Form    yes / no

Rad OK    yes/ no

**Last Page of Data Report**