

Operation, Maintenance and Monitoring Report May 2010

NOW Corporation Site 3-14-008

Work Assignment No. D004445-4.1

Prepared for:

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

Prepared by:

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

July 2010



July 16, 2010

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

Re: NOW Corporation - Site #3-14-008 O&M Summary Report: "May" 2010

Dear Mr. Hoffman:

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

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

As of the last day of the reporting period, a total of 78,907,000 gallons of groundwater had been recovered and treated by the system since it became operational in February 1998.

Table 1 summarizes influent and effluent analytical data for water samples collected on May 24, 2010. **The effluent limitation was not exceeded for any analytes except for oil and grease.** Table 2 presents selected operational data recorded on the sampling date. Table 3 presents the water level measurements taken on May 24, 2010. Table 4 summarizes groundwater analytical results from the monitoring well sampling event conducted on May 27, 2010. A copy of each analytical laboratory report is attached.

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

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

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

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

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

Page 2 Mr. Carl Hoffman NYSDEC

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

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

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

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

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

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

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

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

Sincerely, AECOM Technical Services Northeast, Inc.

Then Chainen

Stephen R. Choiniere Project Manager

Table 1Summary of Influent and Effluent DataSampling Date: May 24, 2010NOW Corporation SiteTown of Clinton, New York

Analytes/	Total]	Recovery Well	s	Ef	fluent
Parameters	Influent	Effluent	TW-1	TW-2A	TW-3	Lim	itations
							(units)
Quantity treated, per day		27,026				Monitor	gpd
рН	6.8	7.1				6.5 to 8.5	standard units
Oil and Grease	<5.0	67.0	NA	NA	NA	15	mg/L
Total Cyanide	<10	<10	NA	NA	NA	10	ug/L
TDS	350	350	NA	NA	NA	1000	mg/L
TSS	<10	<10	NA	NA	NA	50	mg/L
Aluminum, Total	<200	12 BJ	NA	NA	NA	2000	ug/L
Arsenic, Total	<20	<20	NA	NA	NA	50	ug/L
Barium, Total	66 J	67 J	NA	NA	NA	2000	ug/L
Chromium	<20	<20	NA	NA	NA	100	ug/L
Copper	<25	6.9 BJ	NA	NA	NA	24	ug/L
Iron	<200	<200	NA	NA	NA	600	ug/L
Mercury	< 0.20	< 0.20	NA	NA	NA	0.8	ug/L
Manganese	110	68	NA	NA	NA	600	ug/L
Nickel	1.3 J	2.6 J	NA	NA	NA	200	ug/L
Zinc	17 BJ	36 BJ	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	230	< 0.50	3.1	460	3.0	5	ug/L
1,1,2-Trichloroethane	<8	< 0.50	<2.5	<10	< 0.50	1.2	ug/L
1,1-Dichloroethane	96	< 0.50	56	170	11	5	ug/L
1,1-Dichloroethene	12	< 0.50	11	19	1.2	0.5	ug/L
1,2-Dichloroethane	<8	< 0.50	<2.5	<10	< 0.50	1.6	ug/L
Benzene	<8	< 0.50	<2.5	<10	< 0.50	0.8	ug/L
Chlorobenzene	<8	< 0.50	<2.5	<10	< 0.50	5	ug/L
Chloroethane	<8	< 0.50	<2.5	<10	< 0.50	5	ug/L
cis-1,2-Dichloroethene	8.9	< 0.50	6.5	18	0.21 J	5	ug/L
Ethylbenzene	<8	< 0.50	<2.5	<10	< 0.50	5	ug/L
Methyl tert-butyl ether	<8	< 0.50	<2.5	<10	< 0.50	5	ug/L
o-Xylene	<8	< 0.50	<2.5	<10	< 0.50	5	ug/L
p&m-Xylene	<8	< 0.50	<2.5	<10	< 0.50	10	ug/L
Tetrachloroethene	<8	< 0.50	<2.5	<10	< 0.50	1.4	ug/L
Toluene	<8	< 0.50	<2.5	<10	< 0.50	5	ug/L
trans-1,2-Dichloroethene	<8	< 0.50	<2.5	<10	< 0.50	5	ug/L
Trichloroethene	220	< 0.50	74	400	13	5	ug/L
Vinyl Chloride	<8	< 0.50	<2.5	<10	< 0.50	0.6	ug/L

Notes:

1) Detected concentrations are presented in **bold** typeface, and are expressed in the units shown in far right column.

2) Effluent concentration boxed in **bold** denotes exceedance of effluent limitations.

3) NA indicates not analyzed.

4) "*J*" indicates an estimated concentration below the reporting limit (*RL*).

5) "**D**" denotes analytical result for a diluted sample.

6) "B" denotes metal detected in method blank at concentration below the RL, but above the method detection limit.

Table 2Summary of May 2010 O&M Data

NOW Corporation Site Town of Clinton, New York

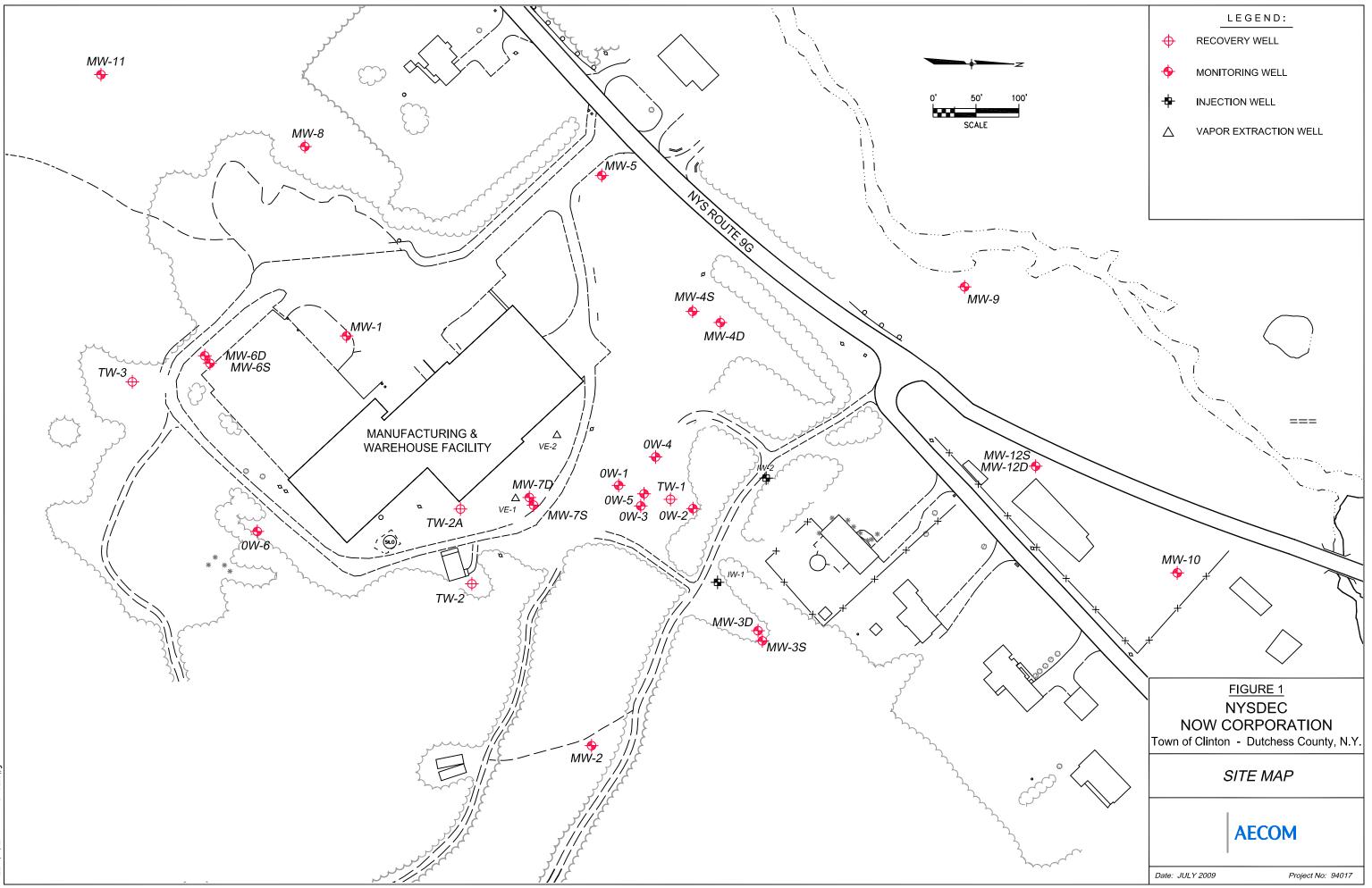
Instrumentation/Readings:		5/24/10	Units
<i>TW-1</i>			
Pumping Rate		3	GPM
Water Level Abo	ove Transducer	33.64	feet
Flow Meter Read	ding	5,599,800	gallons
Pump Pressure		75	psi
TW-2A			
Pumping Rate		14	GPM
Water Level Abo	ove Transducer	47.66	feet
Flow Meter Read	ding	17,291,500	gallons
Pump Pressure		24	psi
<i>TW-3</i>			
Pumping Rate		5	GPM
Water Level Abo	ove Transducer	11.08	feet
Flow Meter Read	ding	8,054,600	gallons
Pump Pressure		52	psi
Air Stripper			
Stripper Blower	Pressure	19	inches H ₂ O
Air Temperature	e in Stripper	50	°F
Pressure Gauge -	- Left Leg	1.5	inches H ₂ O
Pressure Gauge -	- Right Leg	0.5	inches H ₂ O
Effluent Flow	-		
Effluent Flow the	is period (calculated)	918,900	gallons
Total Effluent Fl	• · · · · ·	78,907,100	gallons

Table 3May 2010 Groundwater Levels

NOW Corporation Site Town of Clinton, New York

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

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



FILE NAME: 94017-BASE.dw

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

Notes:

1) Detected concentrations are shown in **bold typeface**, in units of ug/L.

2) ND = Not Detected

3) N/A = Not Analyzed (either well was effectively dry on date shown, or indicated analyte was not reported)

4) * = Duplicate sample result.

5) MW-6S, 7S & 7D were dry on 8/25/05. They were sampled on the date shown at the top of the columns.

6) D = denotes analytical result for a diluted sample.

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

Notes:

1) Detected concentrations are shown in **bold typeface**, in units of ug/L.

2) ND = Not Detected

3) N/A = Not Analyzed (either well was effectively dry on date shown, or indicated analyte was not reported)

4) * = Duplicate sample result.

5) MW-6S, 7S & 7D were dry on 8/25/05. They were sampled on the date shown at the top of the columns.

6) D = denotes analytical result for a diluted sample.

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

Notes:

1) Detected concentrations are shown in **bold typeface**, in units of ug/L.

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.

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

Notes:

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.

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

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.

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

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.

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

Notes:

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.

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

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.

Report Date: 10-Jun-10 10:44



Work Order: J1081

Project #:

Project : NOW Corp. Site

Final Report	ort
C Re-Issued	Report
C Revised R	eport

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY *Laboratory Report*

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

Attn: Stephen Choiniere

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

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

All applicable NELAC or USEPA CLP requirments have been meet.

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

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

Department of Defense Connecticut Delaware Maine Massachusetts New Hampshire New Jersey New York North Carolina Pennsylvania Rhode Island Texas USDA USEPA - ISM USEPA - SOM

N/A PH-0153 N/A 2007037 M-RI907 2631 RI001 11522 581 68-00520 LAI00301 T104704422-08-TX P330-08-00023 EP-W-09-039 EP-W-05-030



Authorized by:

Yihai Ding Laboratory Director

Technical Reviewer's Initials:

Report of Laboratory Analyses for AECOM Technical Services

Client Project: NOW Corp. 94017.02, 02/10

Mitkem Work Order ID: J1081

June 10, 2010

Prepared For:

AECOM Technical Services 40 British American Boulevard Latham, NY 12110 Attn: Mr. Stephen Choiniere

Prepared By:

Mitkem Laboratories 175 Metro Center Boulevard Warwick, RI 02886 (401) 732-3400 Client: AECOM Technical Services Client Project: NOW Corp, 94017.02, 03/10 Lab Work Order: J1081 Date samples received: 05/25/10

Project Narrative

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

Surrogate recoveries were within the QC limits for volatile organic analyses. Percent recoveries in laboratory control sample were within the QC limits with the exception high recovery toluene and ethylbenzene in LCSD-52053. The following samples were analyzed at dilution: INF052410 (16x), TW-1 (5x) and TW-2A (20x).

Spike recoveries were within the QC limits in the laboratory control samples for metals, total dissolved solids, total suspended solids, cyanide and oil & grease analyses. Several elements were detected below the reporting limit but above the method detection limit in method blank MB-51953 for metals analyses. Where these elements are also detected in a sample, their concentrations are qualified with a "B" on data sheets. Please note that these concentrations in the sample were also below the reporting limit.

No other unusual occurrences were noted during sample analysis.

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

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

GENER Huntberg

Agnes Huntley CLP Project Manager

Date: 10-Jun-10

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

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

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			SW	8260_25_W
Vinyl chloride	ND	0.50 µg/L	1 06/03/2010 20:14	52053
Chloroethane	ND	0.50 µg/L	1 06/03/2010 20:14	52053
1,1-Dichloroethene	ND	0.50 µg/L	1 06/03/2010 20:14	52053
trans-1,2-Dichloroethene	ND	0.50 µg/L	1 06/03/2010 20:14	52053
Methyl tert-butyl ether	ND	0.50 µg/L	1 06/03/2010 20:14	52053
1,1-Dichloroethane	ND	0.50 µg/L	1 06/03/2010 20:14	52053
cis-1,2-Dichloroethene	ND	0.50 µg/L	1 06/03/2010 20:14	52053
1,1,1-Trichloroethane	ND	0.50 µg/L	1 06/03/2010 20:14	52053
1,2-Dichloroethane	ND	0.50 µg/L	1 06/03/2010 20:14	52053
Benzene	ND	0.50 µg/L	1 06/03/2010 20:14	52053
Trichloroethene	ND	0.50 µg/L	1 06/03/2010 20:14	52053
Toluene	ND	0.50 µg/L	1 06/03/2010 20:14	52053
1,1,2-Trichloroethane	ND	0.50 µg/L	1 06/03/2010 20:14	52053
Tetrachloroethene	ND	0.50 µg/L	1 06/03/2010 20:14	52053
Chlorobenzene	ND	0.50 µg/L	1 06/03/2010 20:14	52053
Ethylbenzene	ND	0.50 µg/L	1 06/03/2010 20:14	52053
m,p-Xylene	ND	0.50 µg/L	1 06/03/2010 20:14	52053
o-Xylene	ND	0.50 µg/L	1 06/03/2010 20:14	52053
Surrogate: Dibromofluoromethane	93.5	88-124 %REC	1 06/03/2010 20:14	52053
Surrogate: 1,2-Dichloroethane-d4	98.0	79-115 %REC	1 06/03/2010 20:14	52053
Surrogate: Toluene-d8	97.2	80-114 %REC	1 06/03/2010 20:14	52053
Surrogate: Bromofluorobenzene	108	60-123 %REC	1 06/03/2010 20:14	52053

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 10-Jun-10

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

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

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			S	W8260_25_W
Vinyl chloride	ND	8.0 μg/L	16 06/03/2010 20:43	52053
Chloroethane	ND	8.0 µg/L	16 06/03/2010 20:43	52053
1,1-Dichloroethene	12	8.0 µg/L	16 06/03/2010 20:43	52053
trans-1,2-Dichloroethene	ND	8.0 µg/L	16 06/03/2010 20:43	52053
Methyl tert-butyl ether	ND	8.0 µg/L	16 06/03/2010 20:43	52053
1,1-Dichloroethane	96	8.0 µg/L	16 06/03/2010 20:43	52053
cis-1,2-Dichloroethene	8.9	8.0 µg/L	16 06/03/2010 20:43	52053
1,1,1-Trichloroethane	230	8.0 µg/L	16 06/03/2010 20:43	52053
1,2-Dichloroethane	ND	8.0 µg/L	16 06/03/2010 20:43	52053
Benzene	ND	8.0 µg/L	16 06/03/2010 20:43	52053
Trichloroethene	220	8.0 μg/L	16 06/03/2010 20:43	52053
Toluene	ND	8.0 µg/L	16 06/03/2010 20:43	52053
1,1,2-Trichloroethane	ND	8.0 µg/L	16 06/03/2010 20:43	52053
Tetrachloroethene	ND	8.0 µg/L	16 06/03/2010 20:43	52053
Chlorobenzene	ND	8.0 µg/L	16 06/03/2010 20:43	52053
Ethylbenzene	ND	8.0 µg/L	16 06/03/2010 20:43	52053
m,p-Xylene	ND	8.0 μ g/L	16 06/03/2010 20:43	52053
o-Xylene	ND	8.0 μg/L	16 06/03/2010 20:43	52053
Surrogate: Dibromofluoromethane	96.4	88-124 %REC	16 06/03/2010 20:43	52053
Surrogate: 1,2-Dichloroethane-d4	97.0	79-115 %REC	16 06/03/2010 20:43	52053
Surrogate: Toluene-d8	96.8	80-114 %REC	16 06/03/2010 20:43	52053
Surrogate: Bromofluorobenzene	107	60-123 %REC	16 06/03/2010 20:43	52053

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank DF - Dilution Factor

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

Date: 10-Jun-10

Client: AECOM Technical Services, Inc. Client Sample ID: TW-1 Lab ID: J1081-03

Project: NOW Corp. Site Collection Date: 05/24/10 11:40

Analyses	Result Qual	RL U	Inits	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)				s	W8260_25_W
Vinyl chloride	ND	2.5 µg	g/L	5 06/03/2010 21:12	52053
Chloroethane	ND	2.5 µg	g/L	5 06/03/2010 21:12	52053
1,1-Dichloroethene	11	2.5 µg/	g/L	5 06/03/2010 21:12	52053
trans-1,2-Dichloroethene	ND	2.5 µg/	g/L	5 06/03/2010 21:12	52053
Methyl tert-butyl ether	ND	2.5 µg/	g/L	5 06/03/2010 21:12	52053
1,1-Dichloroethane	56	2.5 µg/	g/L	5 06/03/2010 21:12	52053
cis-1,2-Dichloroethene	6.5	2.5 µg/	g/L	5 06/03/2010 21:12	52053
1,1,1-Trichloroethane	3.1	2.5 µg/	g/L	5 06/03/2010 21:12	52053
1,2-Dichloroethane	ND	2.5 µg/	g/L	5 06/03/2010 21:12	52053
Benzene	ND	2.5 µg/	g/L	5 06/03/2010 21:12	52053
Trichloroethene	74	2.5 µg/	g/L	5 06/03/2010 21:12	52053
Toluene	ND	2.5 µg/	g/L	5 06/03/2010 21:12	52053
1,1,2-Trichloroethane	ND	2.5 µg/	g/L	5 06/03/2010 21:12	52053
Tetrachloroethene	ND	2.5 µg/	g/L	5 06/03/2010 21:12	52053
Chlorobenzene	ND	2.5 μg/	g/L	5 06/03/2010 21:12	52053
Ethylbenzene	ND	2.5 μg/	g/L	5 06/03/2010 21:12	52053
m,p-Xylene	ND	2.5 μg/	g/L	5 06/03/2010 21:12	52053
o-Xylene	ND	2.5 µg/	g/L	5 06/03/2010 21:12	52053
Surrogate: Dibromofluoromethane	91.3	88-124 %F	REC	5 06/03/2010 21:12	52053
Surrogate: 1,2-Dichloroethane-d4	89.6	79-115 %F	REC	5 06/03/2010 21:12	52053
Surrogate: Toluene-d8	98.9	80-114 %F	REC	5 06/03/2010 21:12	52053
Surrogate: Bromofluorobenzene	111	60-123 %F	REC	5 06/03/2010 21:12	52053

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 10-Jun-10

Client: AECOM Technical Services, Inc. Client Sample ID: TW-2A

Lab ID: J1081-04

Project: NOW Corp. Site Collection Date: 05/24/10 11:45

Analyses	Result Qual	RL	Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)				S	N8260_25_W
Vinyl chloride	ND	10	µg/L	20 06/03/2010 21:41	52053
Chloroethane	ND	10	µg/L	20 06/03/2010 21:41	52053
1,1-Dichloroethene	19	10	µg/L	20 06/03/2010 21:41	52053
trans-1,2-Dichloroethene	ND	10	µg/L	20 06/03/2010 21:41	52053
Methyl tert-butyl ether	ND	10	µg/L	20 06/03/2010 21:41	52053
1,1-Dichloroethane	170	10	µg/L	20 06/03/2010 21:41	52053
cis-1,2-Dichloroethene	18	10	µg/L	20 06/03/2010 21:41	52053
1,1,1-Trichloroethane	460	10	µg/L	20 06/03/2010 21:41	52053
1,2-Dichloroethane	ND	10	µg/L	20 06/03/2010 21:41	52053
Benzene	ND	10	µg/L	20 06/03/2010 21:41	52053
Trichloroethene	400	10	µg/L	20 06/03/2010 21:41	52053
Toluene	ND	10	µg/L	20 06/03/2010 21:41	52053
1,1,2-Trichloroethane	ND	10	µg/L	20 06/03/2010 21:41	52053
Tetrachloroethene	ND	10	µg/L	20 06/03/2010 21:41	52053
Chlorobenzene	ND	10	µg/L	20 06/03/2010 21:41	52053
Ethylbenzene	ND	10	µg/L	20 06/03/2010 21:41	52053
m,p-Xylene	ND	10	µg/L	20 06/03/2010 21:41	52053
o-Xylene	ND	10	µg/L	20 06/03/2010 21:41	52053
Surrogate: Dibromofluoromethane	93.7	88-124	%REC	20 06/03/2010 21:41	52053
Surrogate: 1,2-Dichloroethane-d4	97.5	79-115	%REC	20 06/03/2010 21:41	52053
Surrogate: Toluene-d8	95.4	80-114	%REC	20 06/03/2010 21:41	52053
Surrogate: Bromofluorobenzene	107	60-123	%REC	20 06/03/2010 21:41	52053

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

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

RL - Reporting Limit

Date: 10-Jun-10

Client: AECOM Technical Services, Inc. Client Sample ID: TW-3 Lab ID: J1081-05

Project:NOW Corp. SiteCollection Date:05/24/10 11:52

Analyses	Result	Qual	RL	Units	DF Date Analyzed	l Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)						SW8260_25_W
Vinyl chloride	ND		0.50	µg/L	1 06/03/2010 22:10	52053
Chloroethane	ND		0.50	µg/L	1 06/03/2010 22:10	52053
1,1-Dichloroethene	1.2		0.50	µg/L	1 06/03/2010 22:10	52053
trans-1,2-Dichloroethene	ND		0.50	µg/L	1 06/03/2010 22:10	52053
Methyl tert-butyl ether	ND		0.50	µg/L	1 06/03/2010 22:10	52053
1,1-Dichloroethane	11		0.50	µg/L	1 06/03/2010 22:10	52053
cis-1,2-Dichloroethene	0.21	J	0.50	µg/L	1 06/03/2010 22:10	52053
1,1,1-Trichloroethane	3.0		0.50	µg/L	1 06/03/2010 22:10	52053
1,2-Dichloroethane	ND		0.50	µg/L	1 06/03/2010 22:10	52053
Benzene	ND		0.50	µg/L	1 06/03/2010 22:10	52053
Trichloroethene	13		0.50	µg/L	1 06/03/2010 22:10	52053
Toluene	ND		0.50	µg/L	1 06/03/2010 22:10	52053
1,1,2-Trichloroethane	ND		0.50	µg/L	1 06/03/2010 22:10	52053
Tetrachloroethene	ND		0.50	µg/L	1 06/03/2010 22:10	52053
Chlorobenzene	ND		0.50	µg/L	1 06/03/2010 22:10	52053
Ethylbenzene	ND		0.50	μg/L	1 06/03/2010 22:10	52053
m,p-Xylene	ND		0.50	μg/L	1 06/03/2010 22:10	52053
o-Xylene	ND		0.50	µg/L	1 06/03/2010 22:10	52053
Surrogate: Dibromofluoromethane	93.8		88-124	%REC	1 06/03/2010 22:10	52053
Surrogate: 1,2-Dichloroethane-d4	92.4		79-115	%REC	1 06/03/2010 22:10	52053
Surrogate: Toluene-d8	99.3		80-114	%REC	1 06/03/2010 22:10	52053
Surrogate: Bromofluorobenzene	109		60-123	%REC	1 06/03/2010 22:10	52053

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 10-Jun-10

Client: AECOM Technical Services, Inc. Client Sample ID: TRIP BLANK Lab ID: J1081-06

Project: NOW Corp. Site Collection Date: 05/24/10 0:00

Analyses	Result Qual	RL	Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)		-		SW	8260_25_W
Vinyl chloride	ND	0.50	µg/L	1 06/03/2010 22:39	52053
Chloroethane	ND	0.50	µg/L	1 06/03/2010 22:39	52053
1,1-Dichloroethene	ND	0.50	µg/L	1 06/03/2010 22:39	52053
trans-1,2-Dichloroethene	ND	0.50	µg/L	1 06/03/2010 22:39	52053
Methyl tert-butyl ether	ND	0.50	µg/L	1 06/03/2010 22:39	52053
1,1-Dichloroethane	ND	0.50	µg/L	1 06/03/2010 22:39	52053
cis-1,2-Dichloroethene	ND	0.50	µg/L	1 06/03/2010 22:39	52053
1,1,1-Trichloroethane	ND	0.50	µg/L	1 06/03/2010 22:39	52053
1,2-Dichloroethane	ND	0.50	µg/L	1 06/03/2010 22:39	52053
Benzene	ND	0.50	µg/L	1 06/03/2010 22:39	52053
Trichloroethene	ND	0.50	µg/L	1 06/03/2010 22:39	52053
Toluene	ND	0.50	µg/L	1 06/03/2010 22:39	52053
1,1,2-Trichloroethane	ND	0.50	µg/L	1 06/03/2010 22:39	52053
Tetrachloroethene	ND	0.50	µg/L	1 06/03/2010 22:39	52053
Chlorobenzene	ND	0.50	µg/L	1 06/03/2010 22:39	52053
Ethylbenzene	ND	0.50	µg/L	1 06/03/2010 22:39	52053
m,p-Xylene	ND	0.50	µg/L	1 06/03/2010 22:39	52053
o-Xylene	ND	0.50	µg/L	1 06/03/2010 22:39	52053
Surrogate: Dibromofluoromethane	93.0	88-124	%REC	1 06/03/2010 22:39	52053
Surrogate: 1,2-Dichloroethane-d4	91.0	79-115	%REC	1 06/03/2010 22:39	52053
Surrogate: Toluene-d8	97.9	80-114	%REC	1 06/03/2010 22:39	52053
Surrogate: Bromofluorobenzene	109	60-123	%REC	1 06/03/2010 22:39	52053

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Work Order: J1031 Swa46 Project: NOW Corp. Site Swa946 Project: NOW Corp. Site Swa926 Sample ID: MB-52053 SampType: MBLK TestCode: Sw250.25_M Sampton Distribution Sumpton Client ID: MB-52053 SampType: MBLK TestCode: Sw250.25_M Sampton ND Oritis< upl.	CLIENT: AEC	AECOM Technical Services, Inc.	i		ANALY	ANALYTICAL QC SUMMARY REPORT	C SUM	MARY	REPO	R T		
And the form And the form<	ler:	1 V Corn. Site		SWS	8260_25_W 846_8260C V	OC hv GC-N	AS (25 m)	L. Purge)				
Same Di Ma-2003 Same Di Ma Factores Mettodatione Factores Mettodatione Rauli Solutione Rauli Soluti Solutione Rauli Solutione		l						6				
Clienticity Curry 10, 100, 100, 100, 100, 100, 100, 100,	Sample ID: MB-52053	SampType: MBLK	TestCode	: SW8260_25_W		Prep Date		13:59	Run ID	: V5_100603B		
Result MOL FOL SPK ratue SPK ratue SPK ratue SPK ratue RPD Ref Lout		Batch ID: 52053		hg/L		Analysis Date		17:50	SeqNo	1306079		
Monotene N0 0.077 0.50 All ordentane N0 0.022 0.50 All olicitane N0 0.22 0.50 All olicitane N0 0.22 0.50 All olicitane N0 0.14 0.50 All olicitane N0 0.12 0.50 All olicitane N0 0.13 0.50 All olicitane N0 0.14 0.50 All olicitane N0 0.12 0.50 All olicitane N0 0.13 0.50 All olicitane N0 0.11 0.50 <	Analyte	Result	MDL	Pal	SPK value	SPK Ref Val	%REC L	owLimit Hig	hLimit	RPD Ref Val	%RPD RPDLimit	Qual
1, Dobloorethere ND 0.42 0.50 rats-1, 2.Dobloorethere ND 0.14 0.50 r1, Dobloorethere ND 0.14 0.50 r1, Dobloorethere ND 0.12 0.50 r1, Dobloorethere ND 0.12 0.50 r1, Trobloorethere ND 0.11 0.50 r1, 2.Trobloorethere ND 0.10 0.70 r1, 2.Trobloorethere ND 0.10 0.50 r1, 2.Trobloorethere ND 0.10 0.50 r1, 2.Trobloorethere ND 0.10 0.50 <td>Vinyl chloride</td> <td>QN</td> <td>0.077</td> <td>0.50</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Vinyl chloride	QN	0.077	0.50								
matrix 0.22 0.50 arst-3.2.0b/lootehene N0 0.23 0.50 arst-3.2.0b/lootehene N0 0.14 0.50 arst-3.2.0b/lootehene N0 0.14 0.50 arst-3.2.0b/lootehene N0 0.14 0.50 arst-3.2.0b/lootehene N0 0.14 0.50 arst-3.2.0b/lootehene N0 0.13 0.50 arst-1.2.0b/lootehene N0 0.12 0.50 arst-1.2.0b/lootehene N0 0.12 0.50 arst-1.2.0b/lootehane N0 0.11 0.50 arst-1.2.0b/lootehane N0 0.01 0.24 8 arst-1.2.0b/lootehane N0 0.01 0.24 8 124 Diototarae N0 <td< td=""><td>Chloroethane</td><td>ND</td><td>0.42</td><td>0.50</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Chloroethane	ND	0.42	0.50								
ans. 2. Dichlocethere N0 0.14 0.50 ans. 2. Dichlocethere N0 0.096 0.5 $1 Dichlocethere$ N0 0.016 0.50 $1 Dichlocethere$ N0 0.10 0.50 $1 Dichlocethere$ N0 0.10 0.50 $1 Dichlocethere$ N0 0.12 0.50 $1 Dichlocethere$ N0 0.12 0.50 $1 Dichlocethere$ N0 0.12 0.50 $2. Dichlocethere$ N0 0.012 0.50 $2. Dichlocethere$ N0 0.012 0.50 $2. Dichlocethere$ N0 0.012 0.50 $2. Dichlocethere$ N0 0.011 0.50 $1 Dichlocethere$ N0 0.011 0.50 $1 Dichlocethere$ N0 0.013 0.50 0.50 $1 Dichlocethere$ N0 0.013 0.50 0.50 0.50 $1 Dichlocethere$ N0 0.013	1,1-Dichloroethene	UN	0.22	0.50								
Addition ND 0.090 0.50 Addition ND 0.114 0.50 Sis 12.Dichlocentare ND 0.114 0.50 Barzane ND 0.123 0.50 Barzane ND 0.13 0.50 Barzane ND 0.13 0.50 Barzane ND 0.109 0.50 Barzane ND 0.109 0.50 Barzane ND 0.109 0.50 Barzane ND 0.090 0.50 0.50 Chlohorethane ND 0.014 0.50 0.50 Itachlohorethane ND 0.013 0.50 0.50 Chlohorethane ND 0.013 0.50 0.50 Chlohorethane ND 0.010 0.95 0.50	trans-1,2-Dichloroethene	QN	0.14	0.50								
1. Tochloresthere 10 0.14 0.20 1. Trichloresthere 10 0.14 0.50 $1. 1. 7$ mollocethere 10 0.11 0.50 $1. 1. 7$ mollocethere 10 0.12 0.50 $1. 1. 7$ mollocethere 10 0.12 0.50 $1. 2. 7$ mollocethere 10 0.12 0.50 $1. 2. 7$ mollocethere 10 0.12 0.50 $1. 2. 7$ mollocethere 10 0.11 0.50 0.25 $1. 2. 7$ mollocethere 10 0.11 0.50 0.25 $1. 2. 7$ mollocethere 10 0.11 0.50 0.25 $2. 0.0056$ 0.25 0.0096 0.50 0.11 0.50 $1. 2. 7$ mollocethere 10 0.11 0.50 0.001 0.50 0.10 $2. 0.0066$ 0.25 0.000 0.000 0.924 0.24 0.24 $2. 0.0000$ 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 </td <td>Methyl tert-butyl ether</td> <td>ON</td> <td>0.090</td> <td>0.50</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Methyl tert-butyl ether	ON	0.090	0.50								
Name	1,1-Dichloroethane	CUN CIN	0.10	00								
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	<pre>dis-1,2-Dicitionoethene 1 1 1 Trickloroethene</pre>		0.10	050								
Martine ND 0.13 0.50 Tichloroethane ND 0.12 0.50 Tichloroethane ND 0.12 0.50 Oldered ND 0.11 0.50 Choloroethane ND 0.013 0.50 Mp-Xylene ND 0.013 0.50 12.4 Surrgate 9.234 0 0.60 0.50 12.4 Surrgate 11.01 0 0.50 10.00 0 92.4 8 12.4	1, 1, 1 ⁻ Munimuculturia	CIN CIN	0.12	0.50								
MatrixN0.120.300.12I (2)TriellooeltaneND0.120.35I (2)TriellooeltaneND0.090.50I (2)TriellooeltaneND0.090.50I (2)TriellooeltaneND0.010.50AlloobenzeneND0.010.50AlloobenzeneND0.0940.50AlloobenzeneND0.0740.50AlloobenzeneND0.0740.50AlloobenzeneND0.0740.50AlloobenzeneND0.0740.50AlloobenzeneND0.0740.50AlloobenzeneND0.0740.50AlloobenzeneND0.0740.50AlloobenzeneND0.0630.50AlloobenzeneND0.0740.50AlloobenzeneND0.0700AlloobenzeneND0.0700AlloobenzeneND0.0700AlloobenzeneND0.0700Alloopenzene0.5010.000Alloopenzene11.0100Alloopenzene11.0100Alloopenzene11.0100Alloopenzene11.01000Alloopenzene11.01000Alloopenzene11.01000Alloopenzene11.01000Alloopenzene11.01000Alloopenzene11.01000Allo	r,z-didilotochialio Banzana		0.13	0.50								
Indefer ND 0.095 0.50 1.1.2-Trichlocethane ND 0.090 0.55 1.1.2-Trichlocethane ND 0.090 0.50 Introductione ND 0.091 0.50 Introductione ND 0.016 0.50 Introductione ND 0.014 0.50 Introductione ND 0.014 0.50 Introductione ND 0.014 0.50 Introductione ND 0.014 0.50 Introductione ND 0.013 0.50 10.00 Introductione ND 0.010 0.50 10.00 0 Strongate: 9.504 0 0.50 10.00 0 9.51 Strongate: 11.01 0 0.50 10.00 0 9.51 114 Strongate: 11.01 0 0.50 10.00 0 9.51 114 Strongate: 11.01 0 0.50 10.00 0<	Trichloroethene	UN N	0.12	0.50								
1/2-Trichlocaethane ND 0.090 0.50 Farachlocaethane ND 0.011 0.50 Farachlocaethane ND 0.011 0.50 Farachlocaethane ND 0.013 0.50 Ethylachane ND 0.074 0.50 Tylyfore ND 0.013 0.50 Np/yfene ND 0.013 0.50 Np/yfene ND 0.013 0.50 Np/yfene ND 0.013 0.50 10.00 0 92.4 88 Np/yfene ND 0.013 0.50 10.00 0 92.4 88 124 Surrogate: 9.594 0 0.50 10.00 0 92.4 89 114 Surrogate: 11.01 0 0.50 10.00 0 93.6 114 Surrogate: 11.01 0 0.50 10.00 0 93.6 114 Surrogate: 11.01 0 0.50 10.00 0 93.6 114 Surrogate: 11.01 <t< td=""><td>Toluene</td><td>UN</td><td>0.095</td><td>0.50</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Toluene	UN	0.095	0.50								
Introduction ND 0.11 0.50 Introduction ND 0.016 0.50 Introduction ND 0.014 0.50 Introduction ND 0.11 0.50 Introduction ND 0.19 0.50 Introduction ND 0.19 0.50 Introduction 0.19 0.50 10.00 0 92.4 88 Altime ND 0.193 0.50 10.00 0 92.4 88 124 Surrogate: 9.504 0 0.50 10.00 0 92.4 89 114 Surrogate: 11.01 0 0.50 10.00 0 95.6 124 Surrogate: 11.01 0 0.50 10.00 0 95.6 114 Surrogate: 11.01 0 0.50 10.00 0 95.8 0 Surrogate: 11.01 0 0.50 10.00 0 95.8	1,1,2-Trichloroethane	DN	060.0	0.50								
Nincohenzene Nin 0.096 0.50 0.074 0.20 0.074 0.20 0.074 0.20 0.074 0.20 0.074 0.20 0.074 0.20 0.074 0.20 0.019 0.20 0.019 0.20 0.019 0.20 0.010 0 9.24 88 124 Nincoaten 0.020 0.030 0.500 10.00 0 $9.2.6$ 124 Discondiucomethane 9.234 0 0.500 10.00 0 $9.2.6$ 124 Discondiucomethane 9.534 0 0.500 10.000 0 $9.2.6$ 114 Surrogate: 111.01 0 0.500 10.000 0 $9.2.6$ 114 Surrogate: 111.01 0 0.500 10.000 0 $9.2.8$ 80 114 Surrogate: $0.11.010$ 0 0.500 10.000 0 10.000 0.500	Tetrachloroethene	ND	0.11	0.50								
Ity-Mylencare ND 0.074 0.50 m.p-Mylene ND 0.19 0.03 0.50 m.p-Mylene ND 0.033 0.50 0.003 0.50 ND 0.033 0.50 0.000 0 92.4 88 124 Surrogate: 9.204 0 0.50 10.00 0 95.0 79 115 Surrogate: 1.24 0.50 10.00 0 95.0 79 115 Surrogate: 11.01 0 0.50 10.00 0 95.8 80 114 Surrogate: 11.01 0 0.50 10.00 0 110 60 124 Surrogate: 11.01 0 0.50 10.00 0 110 60 124 Surrogate: 11.01 0 0.50 10.00 0 110 0 124 Surrogate: 11.01 0 0.50 10.00 0 124 124	Chlorobenzene	UN	0.096	0.50								
mp-Xylene ND 0.19 0.50 Jyryne ND 0.083 0.50 10.00 0 22.4 88 124 Stryne ND 0.083 0.50 10.00 0 92.4 88 124 Dibronductmethane 9.239 0 0.50 10.00 0 95.0 79 115 Surrogate: 1.2 - 9.576 0 0.50 10.00 0 95.0 79 114 Surrogate: Tulene-d8 9.576 0 0.50 10.00 0 95.8 80 114 Surrogate: Tulene-d8 9.576 0 0.50 10.00 0 10.00 0 110 60 114 Surrogate: Tulene-d8 9.576 0 0.50 10.00 0 10.00 0 110 Surrogate: Tulene-d8 9.576 0 0.50 10.00 0 110 0 110 </td <td>Ethylbenzene</td> <td>ND</td> <td>0.074</td> <td>0.50</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Ethylbenzene	ND	0.074	0.50								
\cdot Whene \cdot ND 0.083 0.50 10.00 0 92.4 88 124 Surrogate: 9.239 0 0.50 10.00 0 95.0 79 115 Surrogate: 1.2 9.576 0 0.50 10.00 0 95.0 79 114 Surrogate: 1.2 9.576 0 0.50 10.00 0 95.8 80 114 Surrogate: 11.01 0 0.50 10.00 0 110 60 123 Surrogate: 11.01 0 0.50 10.00 0 110 60 123 Surrogate: 11.01 0 0.50 10.00 0 123	m,p-Xylene	ND	0.19	0.50								
Surrogate: 9.239 0 0.50 10.00 0 92.4 88 124 Disronoflucionentane 9.504 0 0.50 10.00 0 95.0 79 115 Surrogate: 0.50 0.50 10.00 0 95.0 79 114 Surrogate: $0.10.01$ 0 0.50 10.00 0 91.4 Surrogate: $0.11.01$ 0 0.50 10.00 0 114 Surrogate: $0.11.01$ 0 0.50 10.00 0 114 Surrogate: $0.10.01$ 0.50 10.00 0 110 0 Stronofluorobenzene 0.50 0.50 10.00 0 10.00 0 123	o-Xylene	DN	0.083	0.50								
Surrogate: 1.2 . 9.504 0 0.50 10.00 0 95.0 79 115 Dichloroethane-d4 9.576 0 0.50 10.00 0 95.8 80 114 Surrogate: 11.01 0 0.50 10.00 0 91.7 0 123 Surrogate: 11.01 0 0.50 10.00 0 110 60 123 Surrogate: 11.01 0 0.50 10.00 0 110 60 123 Surrogate: 11.01 0 0.50 10.00 0 110 60 123 Surrogate: 11.01 0 0.50 10.00 0 110 60 123 Surrogate: 11.01 0 0.50 10.00 0 110 60 123 Surrogate: 11.01 0 0.50 10.00 0 110 0 123 Surrogate: 0 0.50 0.50	Surrogate: Dibromofluoromethane	9.239	0	0.50	10.00	0	92.4	88	124	0		
Surrogate: Toluene-d8 9.576 0 0.50 10.00 0 95.8 80 114 Surrogate: 11.01 0 0.50 10.00 0 110 60 123 Surrogate: 11.01 0 0.50 10.00 0 110 60 123 Sumofluorobenzene 0.50 10.00 0 110 60 123	Surrogate: 1,2- Dichloroethane-d4	9.504	0	0.50	10.00	0	95.0	- 62	115	0		
Surrogate: 11.01 0 10.00 0 10 60 123 Sromofluorobenzene 3 3 3 3 3 3 3	Surrogate: Toluene-d8	9.576	0	0.50	10.00	0	95.8	80	114	0		
	Surrogate: Bromofluorobenzene	11.01	0	0.50	10.00	0	110	60	123	0		
	01											
	22											

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

J - Analyte detected below quantitation limits Qualifiers: mLIMS-002

CL/IENT:	AECOM Technical Services. Inc.	cal Services. Ir	nc.		ANALA	ANALYTICAL OC SUMMARY REPORT		IMAI	AY REP	ORT		-
Work Ordon	11/01				M 20 0700		2					
work Uraer: Project:	NOW Corp. Site	•		SWS	SW8260_25_W SW846 8260C `	VOC by GC-MS (25 mL Purge)	IS (25 h	aL Pur	ge)			
Sample ID: LCS-52053		SampType: LCS	TestCo	TestCode: SW8260_25_W		Prep Date:		06/03/10 13:59	Run	Run ID: V5_100603B		
Client ID: LCS-52053		Batch ID: 52053	Ъ	Units: µg/L		Analysis Date:	06/03/10 16:51	0 16:51	SeqN	SeqNo: 1306077		
Analyte		Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit HighLimit	HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Vinyl chloride		11.57	0.077	0.50	10.00	0	116	77	120	0		
Chloroethane		10.71	0.42	0.50	10.00	0	107	75	135	0		
1,1-Dichloroethene		9.373	0.22	0.50	10.00	0	93.7	81	125	0		
trans-1,2-Dichloroethene	thene	9.334	0.14	0.50	10.00	0	93.3	60	137	0		
Methyl tert-butyl ether	her	9.103	0.090	0.50	10.00	0	91.0	61	134	0		
1,1-Dichloroethane		9.455	0.14	0.50	10.00	0	94.6	82	120	0		
cis-1,2-Dichloroethene	ene	8.795	0.10	0.50	10.00	0	88.0	84	116	0		
1,1,1-Trichloroethane	ne	9.522	0.14	0.50	10.00	0	95.2	80	124	0		
1,2-Dichloroethane		9.086	0.12	0.50	10.00	0	90.9	86	117	0		
Benzene		10.40	0.13	0.50	10.00	0	104	81	121	0		
Trichloroethene		10.06	0.12	0.50	10.00	0	101	74	123	0		
Toluene		10.51	0.095	0.50	10.00	0	105	88	117	0		
1,1,2-Trichloroethane	Ine	9.302	0.090	0.50	10.00	0	93.0	83	121	0		
Tetrachloroethene		8.698	0.11	0.50	10.00	0	87.0	74	115	0		
Chlorobenzene		9.497	0.096	0.50	10.00	0	95.0	83	112	0		
Ethylbenzene		10.30	0.074	0.50	10.00	0	103	87	110	0		
m,p-Xylene		20.25	0.19	0.50	20.00	0	101	87	114	0		
o-Xylene		10.05	0.083	0.50	10.00	0	101	84	114	0		
Surrogate:		9.629	0	0.50	10.00	0	96.3	88	124	0		
Dibromotiuoromethane	Jane	0 087	c		00 01	c	000	07	115	c		
Surrogate: 1,∠- Dichloroethane-d4			>	00.00	00.01	þ		2	CTT	5		
Surrogate: Toluene-d8	ne-d8	9.625	0	0.50	10.00	0	96.2	80	114	0		
Surrogate:		10.39	0	0.50	10.00	0	104	60	123	0		
Bromofluorobenzene	ne											
Notifi												
Qualifiers:	ND - Not Detected at the Reporting Limit	the Reporting Lin	nit	S - Sp	oike Recovery outsi	- Spike Recovery outside accepted recovery limits	limits		В.	Analyte detected in	B - Analyte detected in the associated Method Blank	d Blank

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

mLIMS-002

Work Order: J1081 SW8260. 2. W SW346 8260C - VOC by GC-MS (25 mL Purge) Project: NOW Corp. Site SW946 8260C - VOC by GC-MS (25 mL Purge) Bample ID: LCSD-S2053 Bampl ID: S2033 Unbit ID: LCSD-S2053 Bampl ID: LCSD-S2053 Bampl ID: S2033 Unbit ID: LCSD-S2053 Bampl ID: S2033 UD: S2033	CLIENT:	AECOM T	AECOM Technical Services, Inc.	· ·		ANALY	ANALYTICAL QC SUMMARY REPORT	SUM	IMAR	Y REPO	DRT			
DS SampType: LCSD TestCode: SW2260_25_W Perp Date: Analysis Date: Analysis Date: Analysis Date: 11:64 Drift: µg/L Analysis Date: Analysis Date: Analysis Date: 11:64 Drift: µg/L Analysis Date: Analysis Date: Analysis Date: 11:64 Drift: µg/L Analysis Date: Analysis Date: 11:64 Drift: µg/L Analysis Date: Analysis Date: Analysis Date: 11:64 Drift: µg/L Analysis Date: 11:67 Drift: µg/L Analysis Date: 11:67 Drift: µg/L Analysis Date: 11:67 Drift: µg/L Drift: µg/L Analysis Date: 11:67 Drift: µg/L Analysis Date: 11:67 Drift: µg/L Drift:	Work Order: Project:	J1081 NOW Corj	p. Site		SW8 SW8	i.	OC by GC-M	lS (25 m	L Purg	(ə				
533 Batch ID: 52033 Units: μJh . Analysis Date: $har har har har har har har har har har $	Sample ID: LCSD	-52053	SampType: LCSD	TestCod			Prep Date:	06/03/10	13:59	Run II	Run ID: V5_100603B			
Result MDL DL ANL MDL SPK Nature SPK Nature </th <th></th> <th>-52053</th> <th>Batch ID: 52053</th> <th>Units</th> <th>s: hg/L</th> <th></th> <th>Analysis Date:</th> <th></th> <th>17:21</th> <th>SeqN</th> <th>SeqNo: 1306078</th> <th></th> <th></th> <th></th>		-52053	Batch ID: 52053	Units	s: hg/L		Analysis Date:		17:21	SeqN	SeqNo: 1306078			
11.64 0.077 0.50 10.00 0 116 10.87 0.42 0.50 10.00 0 107 10.66 0.14 0.50 10.00 0 107 10.71 0.14 0.50 10.00 0 107 10.71 0.14 0.50 10.00 0 107 10.71 0.14 0.50 10.00 0 107 11.24 0.12 0.50 10.00 0 107 11.159 0.14 0.50 10.00 0 107 11.159 0.114 0.50 10.00 0 107 11.159 0.112 0.50 10.00 0 101 11.159 0.096 0.50 10.00 0 101 11.159 0.099 0.50 10.00 0 101 11.159 0.099 0.50 10.0	Analyte		Result	MDL	PQL	SPK value	SPK Ref Val	%REC L	owLimit H	lighLimit	RPD Ref Val	%RPD RPDLimit	DLimit	Qual
	Vinyl chloride		11.64	0.077	0.50	10.00	0	116	77	120	11.57	0.575	40	
9.503 0.22 0.50 10.00 0 9.00 10.71 0.14 0.50 10.00 0 10.71 10.71 0.14 0.50 10.00 0 10.71 10.71 0.14 0.50 10.00 0 10.71 10.71 0.11 0.50 10.00 0 10.71 10.71 0.11 0.50 10.00 0 10.71 11.29 0.12 0.50 10.00 0 10.71 11.75 0.12 0.50 10.00 0 10.71 11.75 0.13 0.11 0.50 10.00 0 10.71 11.75 0.13 0.11 0.50 10.00 0.110 0.75 11.75 0.095 0.70 0.70 0.70 0.70 0.710 11.00 0.75 0.70 0.70 0.70 0.75 10.00	Chloroethane		10.87	0.42	0.50	10.00	0	109	75	135	10.71	1.48	40	
10^{-1} 10.66 0.14 0.50 10.00 0 10^{-1} 10.17 0.104 0.50 10.00 0 10^{-1} 10.47 0.104 0.50 10.00 0 10^{-1} 10.47 0.14 0.50 10.00 0 10^{-1} 10.24 0.12 0.50 10.00 0 10^{-1} 11.59 0.12 0.50 10.00 0 10^{-1} 11.75 0.12 0.50 10.00 0 10^{-1} 11.75 0.095 0.50 10.00 0^{-1} 10^{-1} 11.75 0.095 0.50 10.00 0^{-1} 10^{-1} 11.75 0.095 0.50 10.00 0^{-1} 10^{-1} 10.41 0.090 0.50 10.00 0^{-1} 10^{-1} 11.05 0.091 0.50 10.00 0^{-1} 10^{-1}	1,1-Dichloroethene		9.503	0.22	0.50	10.00	0	95.0	81	125	9.373	1.38	40	
	trans-1,2-Dichloroe	thene	10.66	0.14	0.50	10.00	0	107	60	137	9.334	13.2	40	
	Methyl tert-butyl eth	ler	10.19	0.090	0.50	10.00	0	102	61	134	9.103	11.3	40	
	1,1-Dichloroethane		10.71	0.14	0.50	10.00	0	107	82	120	9.455	12.4	40	
Inforcethane 10.33 0.14 0.50 10.00 0 102 Noncethane 11.29 0.12 0.50 10.00 0 112 Intene 11.75 0.12 0.50 10.00 0 116 Intene 11.75 0.095 0.50 10.00 0 116 Intene 11.75 0.095 0.50 10.00 0 116 Intene 11.75 0.095 0.50 10.00 0 116 Intene 11.75 0.096 0.50 10.00 0 116 Intene 11.75 0.096 0.50 10.00 0 116 Intene 11.05 0.096 0.50 10.00 0 110 Intene 11.05 0.074 0.50 10.00 0 110 Intene 11.00 0.093 0.50 10.00 0 110 Intene 11.00 0.013 0.50 10.00 0 110 Intene 11.00 0.013 0.50 10.00 0 110 Intene 0.746 0.50 10.00 0 110 Intene 0.146 0.50 10.00 0 110 Intene 0.136 0.50 10.00 0 110 Intene 0.50 10.00 0.50 0.50 0.50 Intene 0.50 10.00 0 0.50 0.50 Intene 0.50 0.50 0.000 0 <	cis-1,2-Dichloroeth	sne	10.40	0.10	0.50	10.00	0	104	84	116	8.795	16.7	40	
note thene 10.24 0.12 0.50 10.00 0 11.5 thene 11.82 0.13 0.50 10.00 0 11.6 thene 11.82 0.13 0.50 10.00 0 11.6 thread 11.75 0.095 0.50 10.00 0 10.4 horoethane 10.41 0.095 0.50 10.00 0 10.4 horoethane 10.41 0.096 0.50 10.00 0 10.4 centee 10.55 0.096 0.50 10.00 0 10.6 zene 11.05 0.074 0.50 10.00 0 10.6 zene 11.05 0.019 0.50 10.00 0 10.00 ene 11.05 0.019 0.50 10.00 0 10.00 tene 11.05 0.75 0.010 0.75 0.75 0.75	1,1,1-Trichloroethai	ne	10.93	0.14	0.50	10.00	0	109	80	124	9.522	13.8	40	
11.59 0.13 0.50 10.00 0 116 thene 11.75 0.12 0.50 10.00 0 118 hloroethane 11.75 0.095 0.50 10.00 0 104 hloroethane 11.75 0.095 0.50 10.00 0 104 noethane 10.41 0.096 0.50 10.00 0 104 noethane 11.05 0.011 0.50 10.00 0 104 nzene 11.05 0.019 0.50 10.00 0 100 ene 11.05 0.019 0.50 10.00 0 110 rene 11.05 0.014 0.50 10.00 0 110 ene 21.1 0.50 10.00 0 100 0.110 tene 21.1 0.75 0.050 10.00 0 97.5 ucromethane 10.36 0 0.50 10.00 0 97.5	1,2-Dichloroethane		10.24	0.12	0.50	10.00	0	102	86	117	9.086	12	40	
11.82 0.12 0.50 10.00 0 118 11.75 0.095 0.50 10.00 0 118 10.41 0.095 0.50 10.00 0 104 9.013 0.11 0.50 10.00 0 90.1 10.55 0.096 0.50 10.00 0 90.1 11.05 0.074 0.50 10.00 0 90.1 11.05 0.074 0.50 10.00 0 110 21.67 0.19 0.50 10.00 0 110 21.753 0.033 0.50 10.00 0 97.5 11.00 0.083 0.50 10.00 0 97.5 9.746 0 0.50 10.00 0 97.5 10.36 0 0.50 10.00 0 97.5 10.36 0 0.50 10.00 0 97.5	Benzene		11.59	0.13	0.50	10.00	0	116	81	121	10.40	10.8	40	
11.75 0.095 0.50 10.00 0 110 10.41 0.090 0.50 10.00 0 104 9.013 0.111 0.50 10.00 0 90.1 9.013 0.011 0.50 10.00 0 90.1 11.05 0.074 0.50 10.00 0 106 11.05 0.074 0.50 10.00 0 100 21.87 0.19 0.50 10.00 0 100 21.87 0.19 0.50 10.00 0 110 9.753 0 0.60 10.00 0 97.5 9.746 0 0.50 10.00 0 97.5 10.36 0 0.50 10.00 0 97.5 10.36 0 0.50 10.00 0 97.5	Trichloroethene		11.82	0.12	0.50	10.00	0	118	74	123	10.06	16	40	
	Toluene		11.75	0.095	0.50	10.00	0	118	88	117	10.51	11.1	40	S
9.013 0.11 0.50 10.00 0 90.1 10.55 0.096 0.50 10.00 0 106 11.05 0.074 0.50 10.00 0 110 21.87 0.19 0.50 10.00 0 110 21.87 0.19 0.50 10.00 0 110 21.87 0.19 0.50 10.00 0 110 21.87 0.19 0.50 10.00 0 97.5 11.00 0 0.50 10.00 0 97.5 8.711 0 0.50 10.00 0 97.5 10.36 0 0.50 10.00 0 97.5 10.36 0 0.50 10.00 0 97.5	1,1,2-Trichloroetha	ne	10.41	0.090	0.50	10.00	0	104	83	121	9.302	11.3	40	
10.55 0.096 0.50 10.00 0 10 11.05 0.074 0.50 10.00 0 110 21.87 0.19 0.50 10.00 0 110 21.87 0.19 0.50 10.00 0 110 11.00 0.083 0.50 10.00 0 97.5 9.753 0 0.50 10.00 0 97.5 8.711 0 0.50 10.00 0 97.5 10.36 0 0.50 10.00 0 97.5 10.36 0 0.50 10.00 0 97.5	Tetrachloroethene		9.013	0.11	0.50	10.00	0	90.1	74	115	8.698	3.56	40	
	Chlorobenzene		10.55	0.096	0.50	10.00	0	106	83	112	9.497	10.5	40	
21.87 0.19 0.50 20.00 0 10 11.00 0.083 0.50 10.00 0 110 9.753 0 0.50 10.00 0 97.5 8.711 0 0.50 10.00 0 97.5 10.36 0 0.50 10.00 0 97.5	Ethylbenzene		11.05	0.074	0.50	10.00	0	110	87	110	10.30	6.98	40	S
11.00 0.003 0.50 10.00 0 97.5 9.753 0 0.50 10.00 0 97.5 8.711 0 0.50 10.00 0 97.1 10.36 0 0.50 10.00 0 97.5 10.36 0 0.50 10.00 0 97.5	m,p-Xylene		21.87	0.19	0.50	20.00	0	109	87	114	20.25	7.72	40	
9.753 0 0.50 10.00 0 97.5 8.711 0 0.50 10.00 0 87.1 10.36 0 0.50 10.00 0 97.5 10.36 0 0.50 10.00 0 97.5	o-Xylene		11.00	0.083	0.50	10.00	0	110	84	114	10.05	8,99	40	
8.711 0 0.50 10.00 0 87.1 9.746 0 0.50 10.00 0 97.5 10.36 0 0.50 10.00 0 97.5	Surrogate:		9.753	0	0.50	10.00	0	97.5	88	124	0			
-d8 9.746 0 9.746 10.36 0 0.50 10.00 0 97.5 0 0.50 10.00 0 10.101 0 0.50 10.00 0	Surrogate: 1,2-		8.711	0	0.50	10.00	0	87.1	79	115	0			
10.36 0 0.50 10.00 0 104	Surrogate: Toluei	1e-d8	9.746	0	0.50	10.00	0	97.5	80	114	0			
	Surrogate: Bromofluorobenzer	je	10.36	0	0.50	10.00	0	104	60	123	0			
	(hund)													

B - Analyte detected in the associated Method Blank S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits ND - Not Detected at the Reporting Limit

mLIMS-002

R - RPD outside accepted recovery limits

Qualifiers:

Date: 08-Jun-10

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

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

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 08-Jun-10

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

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

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 06/08/2010 10:15

CLIENT: AECC Work Order: J1081 Project: NOW	AECOM Technical Services, Inc. J1081 NOW Corp. Site	υ	ANALYTICAL QC S E1664 EPA 1664A - Oil & Grease, HEM	TICAL QC & Grease, HE	ANALYTICAL QC SUMMARY REPORT 64A – Oil & Grease, HEM	EPORT		
Sample ID: MB-52104 Client ID: MB-52104	SampType: MBLK Batch ID: 52104	TestCode: E1664 Units: mg/L		Prep Date: Analysis Date:	Prep Date: 06/07/10 9:00 Analysis Date: 06/07/10 15:17	Run ID: MANUAL_100607A SeqNo: 1309690	1607A	
Analyte Oil & Grease, Totaí Recoverable	Result ND	MDL PQL 1.2 5.0	SPK value	SPK Ref Val	%REC LowLimit HighLimit	it RPD Ref Val	%RPD RPDLimit Qual	Qual
Sample ID: LCS-52104 Client ID: LCS-52104	SampType: LCS Batch ID: 52104	TestCode: E1664 Units: mg/L		Prep Date: Analysis Date:	06/07/10 9:00 06/07/10 15:17	Run ID: MANUAL_100607A SeqNo: 1309688	1607A	
Analyte Oil & Grease, Total Recoverable	Result 36.90	MDL PQL 1.2 5.0	SPK value 40.00	SPK Ref Val 0	%REC LowLimit HighLimit 92.3 78 114		RPD Ref Val %RPD RPDLimit Qual 0	Qual
Sample ID: LCSD-52104 Client ID: LCSD-52104	I SampType: LCSD Batch ID: 52104	TestCode: E1664 Units: mg/L		Prep Date: Analysis Date:	06/07/10 9:00 06/07/10 15:17	Run ID: MANUAL_100607A SeqNo: 1309689	1607.A	
Analyte Oil & Grease, Total	Result 41.80	MDL PQL 1.2 5.0	SPK value 40.00	SPK Ref Val 0	%RECLowLimit HighLimit10578114		RPD Ref Val %RPD RPDLimit Qual 36.90 12.5 18	Qual

ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits

mLIMS-002

٠...

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Aualifiers:

Date: 03-Jun-10

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

Lab ID: J1081-01

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

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 03-Jun-10

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

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

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 06/03/2010 16:57

CLIENT:	AECOM Technical Services, Inc.	lnc.		ANALY	ANALYTICAL QC SUMMARY REPORT	SUM	IMARY	' REP(DRT		
Work Order:	J1081			SW6010_W							
Project:	NOW Corp. Site			SW846 6010 Metals by ICP	etals by ICP						
Sample ID: MB-51953	953 SampType: MBLK		TestCode: SW6010_W		Prep Date:	05/28/10 13:30	13:30	Run I	Run ID: OPTIMA2_100602B	0602B	
Client ID: MB-51953	953 Batch ID: 51953		Units: µg/L		Analysis Date:	06/02/10 12:35	12:35	SegN	SeqNo: 1304405		
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC L	%REC LowLimit HighLimit	hLimit	RPD Ref Val	%RPD RPDLimit	Qual
Aluminum	17.58	12	200								ם ו
Arsenic	UN	3.1	20								
Barium	ND	2.9	200								
Chromium	UN	0.50	20								
Copper	5.797	4.7	30								Ŀ
Iron	ND	47	200								
Manganese	ND	3.5	50								
Nickel	ND	0.64	50								
Zinc	12.70	7.0	50								IJ
Sample ID: LCS-51953	1953 SampType: LCS	TestC	TestCode: SW6010_W		Prep Date:	05/28/10 13:30	13:30	Run IC	Run ID: OPTIMA2_100602B	0602B	
Client ID: LCS-51953	1953 Batch ID: 51953		Units: µg/L		Analysis Date:	06/02/10 12:37	12:37	SeqN	SeqNo: 1304406		
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC L	%REC LowLimit HighLimit	hLimit	RPD Ref Val	%RPD RPDLimit	Quai
Aluminum	8930	12	200	9100	0	98.1	80	120	0		П
Arsenic	475.1	3.1	20	455.0	0	104	80	120	0		
Barium	9214	2.9	200	9100	0	101	80	120	0		
Chromium	905.2	0.50	20	910.0	0	99.5	80	120	0		
Copper	1132	4.7	30	1130	0	100	80	120	0		В
Iron	4654	47	200	4550	0	102	80	120	0		
Manganese	2303	3.5	50	2270	0	101	80	120	0		
Nickel	2326	0.64	50	2270	0	102	80	120	0		
Zinc	2310	7.0	50	2270	0	102	80	120	0		В

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

Qualifiers: mLIMS-002

J1081 SW7470 NOW Corp. Site SW7470 Mercury by FIA -52026 SampType: MBLK TestCode: SW7470 Prep Date: 66/02/10 13:35 Run ID: FIMS1_100603 -52026 Batch ID: 52026 Units: µg/L Analysis Date: 06/03/10 10:18 SeqNo: 1305424 -52026 Batch ID: 52026 Units: µg/L Analysis Date: 06/03/10 10:18 SeqNo: 1305424 -52026 Batch ID: 52026 O:056 0.20 Res Date: 06/02/10 13:35 Run ID: FIMS1_100603 -52026 SampType: LCS TestCode: SW7470 Prep Date: 06/02/10 13:35 Run ID: FIMS1_100603 -52026 Batch ID: 52026 Units: µg/L Analysis Date: 06/02/10 13:35 Run ID: FIMS1_100603 -52026 Batch ID: 52026 Units: µg/L Analysis Date: 06/02/10 10:19 SeqNo: 1305425 -52026 Batch ID: 52026 Units: µg/L Analysis Date: 06/02/10 10:19 SeqNo: 1305425 Ana	CLIENT:	AECOM Technical Services, Inc.	lc.	ANALY	TICAL QC	ANALYTICAL QC SUMMARY REPORT	EPORT		
ID: MB-52026 SampType: MBLK TestCode: SW7470 Prep Date: 06/02/10 13:35 Run ID: FIMS1_100603 D: MB-52026 Batch ID: 52026 Units: µg/L Analysis Date: 06/03/10 10:18 SeqNo: 1305424 D: MB-52026 Batch ID: 52026 Units: µg/L PQL SPK value SPK Ref Val % EEC LowLimit HighLimit RPD Ref Val ID: LCS-52026 SampType: LCS 0.056 0.20 0.20 Prep Date: 06/02/10 13:35 Run ID: FIMS1_100603 ID: LCS-52026 Batch ID: 52026 Units: µg/L Analysis Date: 06/02/10 13:35 Run ID: FIMS1_100603 ID: LCS-52026 Batch ID: 52026 Units: µg/L Analysis Date: 06/02/10 13:35 Run ID: FIMS1_100603 ID: LCS-52026 Batch ID: 52026 Units: µg/L Analysis Date: 06/02/10 13:35 Run ID: FIMS1_100603 ID: LCS-52026 Batch ID: 52026 Units: µg/L Analysis Date: 06/02/10 13:35 Run ID: FIMS1_100603 ID: LCS-52026 Batch ID: 52026 Units: µg/L Analysis Date: 06/02/10 13:35 Run ID: FIMS1_100603 ID: LCS-52026 Batch ID: 52026 Units: µg/L Analysis Date: 06/02/10 13:35	Work Order: Project:	J1081 NOW Corp. Site		SW7470 SW846 7470 Me	srcury by FIA				
Result MDL PQL SPK value SPK Ref Val %EC LowLimit HighLimit RPD Ref Val 10.1052 0.056 0.20 0.20 1.01 1.01 1.01 1.01 1D: LCS-52026 SampType: LCS 1.056 0.20 0.20 Prep Date: 06/02/10 13:35 Run ID: FIMS1_100603 1D: LCS-52026 Batch ID: 52026 Units: µg/L Analysis Date: 06/02/10 13:35 Run ID: 7305425 1C LCS-52026 Batch ID: 52026 Units: µg/L Analysis Date: 06/03/10 10:19 SeqNo: 1305425 1C LCS-52026 Batch ID: 52026 0.0156 0.020 0.20 0.01 101 80 120 0	Sample ID: MB-52 Client ID: MB-52		TestCode: SW7470 Units: µg/L		Prep Date: Analysis Date:		Run ID: FIMS1_1006(SeqNo: 1305424	33B	
ID: LCS-52026 SampType: LCS TestCode: SW7470 Prep Date: 06/02/10 13:35 Run ID: D: LCS-52026 Batch ID: 52026 Units: μg/L Analysis Date: 06/03/10 10:19 SeqNo: D: LCS-52026 Batch ID: 52026 Units: μg/L PCL Analysis Date: 06/03/10 10:19 SeqNo: Analysis Date: MDL PQL SPK value SPK Kef Val %REC LowLimit HighLimit 4.586 0.056 0.20 4.550 0 101 80 120	Analyte Mercury	Result 0.1052	PQI			%REC LowLimit HighLim		%RPD RPDLimit Qual	Qual
D: LCS-52026 Batch ID: 52026 Units: µg/L Analysis Date: 06/03/10 10:19 SeqNo: Result MDL PQL SPK value SPK Ref Val %REC LowLimit HighLimit 4.586 0.056 0.20 4.550 0 101 80 120	Sample ID: LCS-5		tCode: SW7		Prep Date:		Run ID: FIMS1 10060	13B	>
Result MDL PQL SPK value SPK Ref Val %REC LowLimit HighLimit 4.586 0.056 0.20 4.550 0 101 80 120	Client ID: LCS-5		Units: µg/L		Analysis Date:	06/03/10 10:19	SeqNo: 1305425	1	
4.586 0.056 0.20 4.550 0 101 80	Analyte	Result		SPK value	SPK Ref Val	%REC LowLimit HighLimi		RPD Ref Val %RPD RPDLimit Qual	Qual
	Mercury	4.586			0	80	0		в

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

881S

Qualifiers: mLIMS-002

Date: 07-Jun-10

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

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

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits

E - Value above quantitation range

RL - Reporting Limit

Date: 07-Jun-10

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

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

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits

E - Value above quantitation range

RL - Reporting Limit

Laboratories
Mitkem

ANALYTICAL QC SUMMARY REPORT

CLIENT:	AECOM Technical Services, Inc.	JC.		ANALY	TICAL QC	ANALYTICAL QC SUMMARY REPORT	IX REPO	RT		
Work Order:	J1081		SM	SM2540_TDS						
Project:	NOW Corp. Site		SM	SM 2540C TOTAL DISSOLVED SOLIDS	AL DISSOLV	ED SOLIDS				
Sample ID: MB-51955	1955 SampType: MBLK		TestCode: SM2540_TDS		Prep Date:	Prep Date: 05/28/10 16:30	Run ID	Run ID: MANUAL_100528B	528B	
Client ID: MB-51955	1955 Batch ID: 51955		Units: mg/L		Analysis Date:	Analysis Date: 05/28/10 16:30	SeqNo	SeqNo: 1307892		<u>, , , ,, ,, ,, ,, ,, ,</u>
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	SPK Ref Val %REC LowLimit HighLimit	HighLimit	RPD Ref Val	RPD Ref Val %RPD RPDLimit Qual	Qual
Total Dissolved Solids	lids ND	10	10							
Sample ID: LCS-51955	51955 SampType: LCS		TestCode: SM2540_TDS		Prep Date:	Prep Date: 05/28/10 16:30	Run ID	Run ID: MANUAL_100528B	528B	
Client ID: LCS-51955	51955 Batch ID: 51955		Units: mg/L		Analysis Date:	Analysis Date: 05/28/10 17:30	SeqNo	SeqNo: 1307893		
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	SPK Ref Val %REC LowLimit HighLimit	lighLimit	RPD Ref Val	RPD Ref Val %RPD RPDLimit Qual	Qual
Total Dissolved Solids	lids 362.0	10	10	350.0	0	103 80	120	0		

Qualifiers: mLIMS-002

CLIENT:	AECOM Ter	AECOM Technical Services, Inc.	lc.		ANALY	TICAL QC	ANALYTICAL QC SUMMARY REPORT	EPORT		
Work Order:	J1081			SM	SM2540_TSS					
Project:	NOW Corp. Site	Site		SM	SM 2540D TOTAL SUSPENDED SOLIDS	AL SUSPEND	ED SOLIDS			
Sample ID: MB-51956 Client ID: MB-51956	1956 1956	SampType: MBLK Batch ID: 51956		TestCode: SM2540_TSS Units: mg/L		Prep Date: Analysis Date:	Prep Date: 05/28/10 16:30 Analysis Date: 05/28/10 16:30	Run ID: MANUAL_100528C SeqNo: 1307908	0528C	
Analyte		Result	MDL	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit		RPD Ref Val %RPD RPDLimit Qual	Qual
Total Suspended Solids	Solids	DN	10	10						
Sample ID: LCS-51956 Client ID: LCS-51956	51956 51956	SampType: LCS Batch ID: 51956		TestCode: SM2540_TSS Units: mg/L		Prep Date: Analysis Date:	Prep Date: 05/28/10 16:30 Ilysis Date: 05/28/10 18:16	Run ID: MANUAL_100528C SeqNo: 1307909	0528C	
Analyte		Result	MDL	PQL	SPK value	SPK Ref Val	SPK Ref Val %REC LowLimit HighLimit		RPD Ref Val %RPD RPDLimit Qual	Qual
Total Suspended Solids	Solids	45.00	10	10	51.40	0	87.5 80 120	0		

ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits

mLIMS-002

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

Qualifiers:

CLIENT: AECOM T	AECOM Technical Services, Inc.	lc.		ANALY	TICAL QC	ANALYTICAL QC SUMMARY REPORT	Y REPORT		
Work Order: J1081 Project: NOW Corp. Site	p. Site			SW9012_W SW846 9012B Total Cyanide	otal Cyanide				
Sample ID: MB-51855 Client ID: MB-51855	SampType: MBLK Batch ID: 51855	TestCod Units	TestCode: SW9012_W Units: µg/L		Prep Date: Analysis Date:	Prep Date: 05/26/10 10:00 Analysis Date: 05/27/10 15:02	Run ID: LACHAT1_100527A SeqNo: 1300667	r1_100527A	
Analyte Cyanide	Result	MDL 2.5	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	ighLimit RPD Ref Val	Val %RPD RPDLimit	Qual
Sample ID: LCS-51855 Client ID: LCS-51855	SampType: LCS Batch ID: 51855	TestCod Units	TestCode: SW9012_W Units: µg/L		Prep Date: Analysis Date:	Prep Date: 05/26/10 10:00 Ilysis Date: 05/27/10 15:04	Run ID: LACHAT1_100527A SeqNo: 1300668	-1_100527A	
Analyte Cyanide	Result 104.2	MDL 2.5	PQL	SPK value 100.0	SPK Ref Val 0	SPK Ref Val %REC LowLimit HighLimit 0 104 80 120		RPD Ref Val %RPD RPDLimit Qual	Qual
Sample ID: LCSD-51855 Client ID: LCSD-51855	SampType: LCSD Batch ID: 51855	TestCod Units	TestCode: SW9012_W Units: µg/L		Prep Date: Analysis Date:	Prep Date: 05/26/10 10:00 Analysis Date: 05/27/10 15:07	Run ID: LACHAT1_100527A SeqNo: 1300669	F1_100527A	
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	ighLimit RPD Ref Val	Val %RPD RPDLimit	Qual
Cyanide	102.6	2.5	20	100.0	0	103 80	120 104.2	1.53 20	

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

Qualifiers:

mLIMS-002

6023

WorkOrder: J1081

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

05/26/2010 06:35

Case: SDG:

Mitkem Laboratories

Report Level: LEVEL 2 EDD: Special Program: HC Due: 06/10/10 Fax Due: Fax Report:

PO: 94017.02

Lab Samp ID	Lab Samp ID Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF HT MS SEL Storage
J1081-01A	EFF-052410	05/24/2010 11:20	05/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,	Y VOA
J1081-01B	EFF-052410	05/24/2010 11:20	05/25/2010	Aqueous	SW6010_W	/ See SEL list	Y M4
J1081-01B	EFF-052410	05/24/2010 11:20	05/25/2010	Aqueous	SW7470	/ See SEL list	M4
J1081-01C	EFF-052410	05/24/2010 11:20	05/25/2010	Aqueous	SM2540_TDS		4
J1081-01C	EFF-052410	05/24/2010 11:20	05/25/2010	Aqueous	SM2540_TSS	1	4
J1081-01D	EFF-052410	05/24/2010 11:20	05/25/2010	Aqueous	E1664		4
J1081-01E	EFF-052410	05/24/2010 11:20	05/25/2010	Aqueous	SW9012_W		Y 14
J1081-02A	INF-052410	05/24/2010 11:58	05/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,	Y VOA
J1081-02B	INF-052410	05/24/2010 11:58	05/25/2010	Aqueous	SW6010_W	/ See SEL list	Y M4
J1081-02B	INF-052410	05/24/2010 11:58	05/25/2010	Aqueous	SW7470	/ See SEL list	M4
J1081-02C	INF-052410	05/24/2010 11:58	05/25/2010	Aqueous	SM2540_TDS		4
J1081-02C	INF-052410	05/24/2010 11:58	05/25/2010	Aqueous	SM2540_TSS	1	14
J1081-02D	INF-052410	05/24/2010 11:58	05/25/2010	Aqueous	E1664	1	[4]
J1081-02E	INF-052410	05/24/2010 11:58	05/25/2010	Aqueous	SW9012_W		Υ 14
J1081-03A	TW-1	05/24/2010 11:40	05/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,	Y VOA
J1081-04A	TW-2A	05/24/2010 11:45	05/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,	Y VOA
J1081-05A	TW-3	05/24/2010 11:52	05/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,	Y VOA
J1081-06A	TRIP BLANK	05/24/2010 00:00	05/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,	Y VOA
S SHF = Fracti	C HF = Fraction logged in but all tests have been placed on hold	lave been placed on h	old			HT = Test log	HT = Test logged in but has been placed on hold

Lab Client Rep: Edward A Lawler

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.	60135676 .02	Now Corp	Statts buyg State: NY	, eg	below: QA/QC Reporting Notes:		Provide MA DEF MCF CAM Report Provide CT DPH RCP Report	QA/QC Reporting Level		State specific reporting standards:	*A1, A5, BA.CR. CU,	FE, MW. Ha, ZN, N									□ Ambient to locd □ Refrigerated □ Fridge temp °C □ Freezer temp °C
	Project No.: 60	Site Name: Λ	Location: Staff	Sampler(s):	List preservative code below: $2 \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2}$			*S 22-		0 S(L PW	+ + + + + +	× × × × × ×				>			Temp ^{°C} DEDD Format	Der E-mail to	7
OF CUSTODY RECORI	Same			RQN:	6=Ascorbic Acid 7=CH ₃ OH	Containers:		ssslÐ	V AC nber ear G	Matrix # of V(# of Ar # of Cl # of Cl # of Pla	GU 2333				->	>				5/24/10 3:40 Slache 9:15	
CHAIN OF	Invoice To:			P.O. No.:	5=NaOH	V=Wastewater	SL=Sludge A=Air	X3=		Lype T	11:20 6	11:58	11:40	11:45	11:52				Received by:	1 Cr	
SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY	Report To: AECOM 40 British American Bluch.	12110		Telephone #: 518-951-2200 Project Mgr. Stephen Choinere		Water GW=Groundwater	Water SO=Soil SI	X2=	G=Grab C=Composite	I ah Id [.] Samule Id [.] Date	1 EFF-052410 5/	07 INF-052410	-03 TW-1	-04 TW-ZA	-05 TW-3	-06 Trip Blank S/10/10			Relinquished by:	Aug Marine	A KATAZ

11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com

MITKEM LABORATORIES Sample Condition Form

							Page		of	
Received By: √25	Reviewed By	1: ON							ler #: ;	57081
Client Project: NOW	CORP			Clien	t: EA	RTT	<u>t.ny</u>			Soil Headspace o
					1		<u>n (pH)</u>	1	VOA	Air Bubble ≥
		Lab Samp	le ID		H₂SO₄		NaOH	H₃PO₄	Matrix	1/4"
1) Cooler Sealed	(Yes)No	J081	01	23		<>	212		H	
			03	23		22	ンし		1	
2) Custody Seal(s)	(Present) Absent		03							
, , , ,	Coolers / Bottles		A							
	Intacty Broken	<u>↓</u>	05						\downarrow	
	Intact Bloken		1		 					
		21081	06						H	
 Custody Seal Number 	(s) <u>NYA</u>									$ \longrightarrow $
	•									
4) Chain-of-Custody	Present)/ Absent								7	
·,		.	1						·	
5) Cooler Temperature	2 00		1					\vdash		
	<u> </u>		+		i			<		
IR Temp Gun ID	MT-1						\vdash			
Coolant Condition	168		<u> </u>	<u> </u>			<u>/</u>			
	\frown					\square				
6) Airbill(s)	(Present) Absent					/				
Airbill Number(s)	FIDEX				S					
	8690 7924 0692				4					
	1			4						
				7						
			<u> </u>	\bigvee						
			$+ \neq$	1						
7) Samples Bottles	Intacty Broken / Leaking		\vdash							<u> </u>
			¥			<u></u>				
8) Date Received	5/25/10		<u> </u>							
9) Time Received	9:15									
Preservative Name/Lot N	No ·		ļ							
	·····	L	VOA	I Matrix	Key:	l				L
					Unpre	serve	d Soil		A = A	ir
					Unpre			eous	H = H	CI
				M = N	/leOH				E = E	ncore
					laHSO	4			F = Fi	reeze
-	e Condition Notification/Corre	ective Action I	Form	yes /(r	ol		_			
Form ID: QAF.0006					\mathcal{I}		Rad (DK ve	s/no	

Last Page of Data Report

Report Date: 10-Jun-10 12:19



Work Order: J1115

Project #:

Project : NOW Corp. Site

✓ Final Report
Re-Issued Report
Revised Report

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY *Laboratory Report*

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

Attn: Stephen Choiniere

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

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

All applicable NELAC or USEPA CLP requirments have been meet.

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

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

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



Authorized by:

Yihai Ding Laboratory Director

Technical Reviewer's Initials:

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755 • 401-732-3400 • Fax 401-732-3499 www.mitkem.com s: 1D

Report of Laboratory Analyses for AECOM Technical Services

Client Project: NOW Corp. 94017.02, 02/10

Mitkem Work Order ID: J1115

June 10, 2010

Prepared For:

AECOM Technical Services 40 British American Boulevard Latham, NY 12110 Attn: Mr. Stephen Choiniere

Prepared By:

Mitkem Laboratories 175 Metro Center Boulevard Warwick, RI 02886 (401) 732-3400 Client: AECOM Technical Services Client Project: NOW Corp, 94017.02, 03/10 Lab Work Order: J1115 Date samples received: 05/25/10

Project Narrative

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

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

No other unusual occurrences were noted during sample analysis.

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

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

agnes R Huntley

Agnes Huntley CLP Project Manager

Date: 10-Jun-10

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

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

Analyses	Result Qua	I RL	Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)				SW	8260_25_W
Vinyl chloride	ND	0.50	µg/L	1 06/03/2010 23:37	52053
Chloroethane	ND	0.50	µg/L	1 06/03/2010 23:37	52053
1,1-Dichloroethene	ND	0.50	µg/L	1 06/03/2010 23:37	52053
trans-1,2-Dichloroethene	ND	0.50	µg/L	1 06/03/2010 23:37	52053
Methyl tert-butyl ether	ND	0.50	µg/L	1 06/03/2010 23:37	52053
1,1-Dichloroethane	ND	0.50	µg/L	1 06/03/2010 23:37	52053
cis-1,2-Dichloroethene	ND	0.50	µg/L	1 06/03/2010 23:37	52053
1,1,1-Trichloroethane	ND	0.50	µg/L	1 06/03/2010 23:37	52053
1,2-Dichloroethane	ND	0.50	µg/L	1 06/03/2010 23:37	52053
Benzene	ND	0.50	µg/L	1 06/03/2010 23:37	52053
Trichloroethene	ND	0.50	µg/L	1 06/03/2010 23:37	52053
Toluene	ND	0.50	µg/L	1 06/03/2010 23:37	52053
1,1,2-Trichloroethane	ND	0.50	µg/L	1 06/03/2010 23:37	52053
Tetrachloroethene	ND	0.50	µg/L	1 06/03/2010 23:37	52053
Chlorobenzene	ND	0.50	µg/L	1 06/03/2010 23:37	52053
Ethylbenzene	ND	0.50	µg/L	1 06/03/2010 23:37	52053
m,p-Xylene	ND	0.50	µg/L	1 06/03/2010 23:37	52053
o-Xylene	ND	0.50	µg/L	1 06/03/2010 23:37	52053
Surrogate: Dibromofluoromethane	92.7	88-124	%REC	1 06/03/2010 23:37	52053
Surrogate: 1,2-Dichloroethane-d4	94.9	79-115	%REC	1 06/03/2010 23:37	52053
Surrogate: Toluene-d8	95.2	80-114	%REC	1 06/03/2010 23:37	52053
Surrogate: Bromofluorobenzene	107	60-123	%REC	1 06/03/2010 23:37	52053

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 10-Jun-10

Client: AECOM Technical Services, Inc. Client Sample ID: MW-12D

Lab ID: J1115-02

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

Analyses	Result Qual	RL	Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)					SW8260_25_W
Vinyl chloride	ND	0.50	µg/L	1 06/04/2010 0:06	52053
Chloroethane	4.5	0.50	µg/L	1 06/04/2010 0:06	52053
1,1-Dichloroethene	1.8	0.50	µg/L	1 06/04/2010 0:06	52053
trans-1,2-Dichloroethene	ND	0.50	µg/L	1 06/04/2010 0:06	52053
Methyl tert-butyl ether	ND	0.50	µg/L	1 06/04/2010 0:06	52053
1,1-Dichloroethane	13	0.50	µg/L	1 06/04/2010 0:06	52053
cis-1,2-Dichloroethene	0.30 J	0.50	µg/L	1 06/04/2010 0:06	52053
1,1,1-Trichloroethane	ND	0.50	µg/L	1 06/04/2010 0:06	52053
1,2-Dichloroethane	ND	0.50	µg/L	1 06/04/2010 0:06	52053
Benzene	ND	0.50	µg/L	1 06/04/2010 0:06	52053
Trichloroethene	1.5	0.50	µg/L	1 06/04/2010 0:06	52053
Toluene	ND	0.50	µg/L	1 06/04/2010 0:06	52053
1,1,2-Trichloroethane	ND	0.50	µg/L	1 06/04/2010 0:06	52053
Tetrachloroethene	ND	0.50	µg/L	1 06/04/2010 0:06	52053
Chlorobenzene	ND	0.50	µg/L	1 06/04/2010 0:06	52053
Ethylbenzene	ND	0.50	µg/L	1 06/04/2010 0:06	52053
m,p-Xylene	ND	0.50	µg/L	1 06/04/2010 0:06	52053
o-Xylene	ND	0.50	µg/L	1 06/04/2010 0:06	52053
Surrogate: Dibromofluoromethane	93.1	88-124	%REC	1 06/04/2010 0:06	52053
Surrogate: 1,2-Dichloroethane-d4	91.3	79-115	%REC	1 06/04/2010 0:06	52053
Surrogate: Toluene-d8	96.7	80-114	%REC	1 06/04/2010 0:06	52053
Surrogate: Bromofluorobenzene	106	60-123	%REC	1 06/04/2010 0:06	52053

Qualifiers:

.

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 10-Jun-10

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

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

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			SW	8260_25_W
Vinyl chloride	ND	0.50 µg/L	1 06/04/2010 0:34	52053
Chloroethane	ND	0.50 µg/L	1 06/04/2010 0:34	52053
1,1-Dichloroethene	2.8	0.50 µg/L	1 06/04/2010 0:34	52053
trans-1,2-Dichloroethene	ND	0.50 µg/L	1 06/04/2010 0:34	52053
Methyl tert-butyl ether	ND	0.50 µg/L	1 06/04/2010 0:34	52053
1,1-Dichloroethane	18	0.50 µg/L	1 06/04/2010 0:34	52053
cis-1,2-Dichloroethene	1.1	0.50 µg/L	1 06/04/2010 0:34	52053
1,1,1-Trichloroethane	11	0.50 µg/L	1 06/04/2010 0:34	52053
1,2-Dichloroethane	ND	0.50 µg/L	1 06/04/2010 0:34	52053
Benzene	ND	0.50 µg/L	1 06/04/2010 0:34	52053
Trichloroethene	79 E	0.50 µg/L	1 06/04/2010 0:34	52053
Toluene	ND	0.50 µg/L	1 06/04/2010 0:34	52053
1,1,2-Trichloroethane	ND	0.50 µg/L	1 06/04/2010 0:34	52053
Tetrachloroethene	ND	0.50 µg/L	1 06/04/2010 0:34	52053
Chlorobenzene	ND	0.50 µg/L	1 06/04/2010 0:34	52053
Ethylbenzene	ND	0.50 µg/L	1 06/04/2010 0:34	52053
m,p-Xylene	ND	0.50 µg/L	1 06/04/2010 0:34	52053
o-Xylene	ND	0.50 µg/L	1 06/04/2010 0:34	52053
Surrogate: Dibromofluoromethane	87.3 S	88-124 %REC	1 06/04/2010 0:34	52053
Surrogate: 1,2-Dichloroethane-d4	87.5	79-115 %REC	1 06/04/2010 0:34	52053
Surrogate: Toluene-d8	94.7	80-114 %REC	1 06/04/2010 0:34	52053
Surrogate: Bromofluorobenzene	108	60-123 %REC	1 06/04/2010 0:34	52053

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 10-Jun-10

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

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

Analyses	Result Q	ual RL	Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)				SW	/8260_25_W
Vinyl chloride	ND	2.0	µg/L	4 06/04/2010 12:13	52054
Chloroethane	ND	2.0	µg/L	4 06/04/2010 12:13	52054
1,1-Dichloroethene	2.9	2.0	µg/L	4 06/04/2010 12:13	52054
trans-1,2-Dichloroethene	ND	2.0	µg/L	4 06/04/2010 12:13	52054
Methyl tert-butyl ether	ND	2.0	µg/L	4 06/04/2010 12:13	52054
1,1-Dichloroethane	18	2.0	µg/L	4 06/04/2010 12:13	52054
cis-1,2-Dichloroethene	ND	2.0	µg/L	4 06/04/2010 12:13	52054
1,1,1-Trichloroethane	11	2.0	µg/L	4 06/04/2010 12:13	52054
1,2-Dichloroethane	ND	2.0	µg/L	4 06/04/2010 12:13	52054
Benzene	ND	2.0	µg/L	4 06/04/2010 12:13	52054
Trichloroethene	82	2.0	µg/L	4 06/04/2010 12:13	52054
Toluene	ND	2.0	µg/L	4 06/04/2010 12:13	52054
1,1,2-Trichloroethane	ND	2.0	µg/L	4 06/04/2010 12:13	52054
Tetrachloroethene	ND	2.0	µg/L	4 06/04/2010 12:13	52054
Chlorobenzene	ND	2.0	µg/L	4 06/04/2010 12:13	52054
Ethylbenzene	ND	2.0	µg/L	4 06/04/2010 12:13	52054
m,p-Xylene	ND	2.0	µg/L	4 06/04/2010 12:13	52054
o-Xylene	ND	2.0	µg/L	4 06/04/2010 12:13	52054
Surrogate: Dibromofluoromethane	93.0	88-124	%REC	4 06/04/2010 12:13	52054
Surrogate: 1,2-Dichloroethane-d4	93.1	79-115	%REC	4 06/04/2010 12:13	52054
Surrogate: Toluene-d8	94.8	80-114	%REC	4 06/04/2010 12:13	52054
Surrogate: Bromofluorobenzene	108	60-123	%REC	4 06/04/2010 12:13	52054

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 10-Jun-10

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

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

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			SW	8260_25_W
Vinyl chloride	ND	0.50 µg/L	1 06/04/2010 12:42	52054
Chloroethane	ND	0.50 µg/L	1 06/04/2010 12:42	52054
1,1-Dichloroethene	1.4	0.50 µg/L	1 06/04/2010 12:42	52054
trans-1,2-Dichloroethene	ND	0.50 µg/L	1 06/04/2010 12:42	52054
Methyl tert-butyl ether	ND	0.50 µg/L	1 06/04/2010 12:42	52054
1,1-Dichloroethane	13	0.50 µg/L	1 06/04/2010 12:42	52054
cis-1,2-Dichloroethene	1.0	0.50 µg/L	1 06/04/2010 12:42	52054
1,1,1-Trichloroethane	2.3	0.50 µg/L	1 06/04/2010 12:42	52054
1,2-Dichloroethane	ND	0.50 µg/L	1 06/04/2010 12:42	52054
Benzene	ND	0.50 µg/L	1 06/04/2010 12:42	52054
Trichloroethene	7.5	0.50 µg/L	1 06/04/2010 12:42	52054
Toluene	ND	0.50 µg/L	1 06/04/2010 12:42	52054
1,1,2-Trichloroethane	ND	0.50 µg/L	1 06/04/2010 12:42	52054
Tetrachloroethene	ND	0.50 µg/L	1 06/04/2010 12:42	52054
Chlorobenzene	ND	0.50 µg/L	1 06/04/2010 12:42	52054
Ethylbenzene	ND	0.50 µg/L	1 06/04/2010 12:42	52054
m,p-Xylene	ND	0.50 µg/L	1 06/04/2010 12:42	52054
o-Xylene	ND	0.50 μg/L	1 06/04/2010 12:42	52054
Surrogate: Dibromofluoromethane	98.7	88-124 %REC	1 06/04/2010 12:42	52054
Surrogate: 1,2-Dichloroethane-d4	109	79-115 %REC	1 06/04/2010 12:42	52054
Surrogate: Toluene-d8	98.1	80-114 %REC	1 06/04/2010 12:42	52054
Surrogate: Bromofluorobenzene	108	60-123 %REC	1 06/04/2010 12:42	52054

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- 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. Client Sample ID: MW-1 Lab ID: J1115-05

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

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 10-Jun-10

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

Lab ID: J1115-05

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

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			SW	/8260_25_W
Vinyl chloride	ND	2.0 µg/L	4 06/04/2010 13:11	52054
Chloroethane	ND	2.0 µg/L	4 06/04/2010 13:11	52054
1,1-Dichloroethene	3.1	2.0 µg/L	4 06/04/2010 13:11	52054
trans-1,2-Dichloroethene	ND	2.0 μg/L	4 06/04/2010 13:11	52054
Methyl tert-butyl ether	ND	2.0 µg/L	4 06/04/2010 13:11	52054
1,1-Dichloroethane	16	2.0 µg/L	4 06/04/2010 13:11	52054
cis-1,2-Dichloroethene	12	2.0 µg/L	4 06/04/2010 13:11	52054
1,1,1-Trichloroethane	7.8	2.0 μg/L	4 06/04/2010 13:11	52054
1,2-Dichloroethane	ND	2.0 µg/L	4 06/04/2010 13:11	52054
Benzene	ND	2.0 µg/L	4 06/04/2010 13:11	52054
Trichloroethene	74	2.0 µg/L	4 06/04/2010 13:11	52054
Toluene	ND	2.0 µg/L	4 06/04/2010 13:11	52054
1,1,2-Trichloroethane	ND	2.0 µg/L	4 06/04/2010 13:11	52054
Tetrachloroethene	ND	2.0 µg/L	4 06/04/2010 13:11	52054
Chlorobenzene	ND	2.0 µg/L	4 06/04/2010 13:11	52054
Ethylbenzene	ND	2.0 µg/L	4 06/04/2010 13:11	52054
m,p-Xylene	ND	2.0 µg/L	4 06/04/2010 13:11	52054
o-Xylene	ND	2.0 µg/L	4 06/04/2010 13:11	52054
Surrogate: Dibromofluoromethane	96.3	88-124 %REC	4 06/04/2010 13:11	52054
Surrogate: 1,2-Dichloroethane-d4	93.0	79-115 %REC	4 06/04/2010 13:11	52054
Surrogate: Toluene-d8	96.9	80-114 %REC	4 06/04/2010 13:11	52054
Surrogate: Bromofluorobenzene	107	60-123 %REC	4 06/04/2010 13:11	52054

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

RL - Reporting Limit

Date: 10-Jun-10

Client: AECOM Technical Services, Inc.

Client Sample ID: MW-7S

Lab ID: J1115-06

Project: NOW Corp. Site Collection Date: 05/25/10 11:20

Analyses	Result Qual	RL	Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)				sw	8260_25_W
Vinyl chloride	1.4	0.50	µg/L	1 06/04/2010 2:02	52053
Chloroethane	ND	0.50	µg/L	1 06/04/2010 2:02	52053
1,1-Dichloroethene	0.95	0.50	µg/L	1 06/04/2010 2:02	52053
trans-1,2-Dichloroethene	ND	0.50	µg/L	1 06/04/2010 2:02	52053
Methyl tert-butyl ether	ND	0.50	µg/L	1 06/04/2010 2:02	52053
1,1-Dichloroethane	7.3	0.50	µg/L	1 06/04/2010 2:02	52053
cis-1,2-Dichloroethene	31	0.50	µg/L	1 06/04/2010 2:02	52053
1,1,1-Trichloroethane	12	0.50	µg/L	1 06/04/2010 2:02	52053
1,2-Dichloroethane	ND	0.50	µg/L	1 06/04/2010 2:02	52053
Benzene	ND	0.50	µg/L	1 06/04/2010 2:02	52053
Trichloroethene	240 E	0.50	µg/L	1 06/04/2010 2:02	52053
Toluene	ND	0.50	µg/L	1 06/04/2010 2:02	52053
1,1,2-Trichloroethane	ND	0.50	µg/L	1 06/04/2010 2:02	52053
Tetrachloroethene	ND	0.50	µg/L	1 06/04/2010 2:02	52053
Chlorobenzene	ND	0.50	µg/L	1 06/04/2010 2:02	52053
Ethylbenzene	ND	0.50	µg/L	1 06/04/2010 2:02	52053
m,p-Xylene	ND	0.50	µg/L	1 06/04/2010 2:02	52053
o-Xylene	ND	0.50	µg/L	1 06/04/2010 2:02	52053
Surrogate: Dibromofluoromethane	92.1	88-124	%REC	1 06/04/2010 2:02	52053
Surrogate: 1,2-Dichloroethane-d4	85.4	79-115	%REC	1 06/04/2010 2:02	52053
Surrogate: Toluene-d8	88.3	80-114	%REC	1 06/04/2010 2:02	52053
Surrogate: Bromofluorobenzene	105	60-123	%REC	1 06/04/2010 2:02	52053

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 10-Jun-10

Client: AECOM Technical Services, Inc. Client Sample ID: MW-7S Lab ID: J1115-06

Project:NOW Corp. SiteCollection Date:05/25/10 11:20

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			sw	8260_25_W
Vinyl chloride	ND	8.0 µg/L	16 06/04/2010 13:40	52054
Chloroethane	ND	8.0 μg/L	16 06/04/2010 13:40	52054
1,1-Dichloroethene	ND	8.0 μg/L	16 06/04/2010 13:40	52054
trans-1,2-Dichloroethene	ND	8.0 μg/L	16 06/04/2010 13:40	52054
Methyl tert-butyl ether	ND	8.0 µg/L	16 06/04/2010 13:40	52054
1,1-Dichloroethane	ND	8.0 μg/L	16 06/04/2010 13:40	52054
cis-1,2-Dichloroethene	32	8.0 μg/L	16 06/04/2010 13:40	52054
1,1,1-Trichloroethane	12	8.0 μg/L	16 06/04/2010 13:40	52054
1,2-Dichloroethane	ND	8.0 µg/L	16 06/04/2010 13:40	52054
Benzene	ND	8.0 μg/L	16 06/04/2010 13:40	52054
Trichloroethene	260	8.0 μg/L	16 06/04/2010 13:40	52054
Toluene	ND	8.0 µg/L	16 06/04/2010 13:40	52054
1,1,2-Trichloroethane	ND	8.0 µg/L	16 06/04/2010 13:40	52054
Tetrachloroethene	ND	8.0 µg/L	16 06/04/2010 13:40	52054
Chlorobenzene	ND	8.0 μg/L	16 06/04/2010 13:40	52054
Ethylbenzene	ND	8.0 μg/L	16 06/04/2010 13:40	52054
m,p-Xylene	ND	8.0 µg/L	16 06/04/2010 13:40	52054
o-Xylene	ND	8.0 µg/L	16 06/04/2010 13:40	52054
Surrogate: Dibromofluoromethane	93.9	88-124 %REC	16 06/04/2010 13:40	52054
Surrogate: 1,2-Dichloroethane-d4	89.6	79-115 %REC	16 06/04/2010 13:40	52054
Surrogate: Toluene-d8	94.7	80-114 %REC	16 06/04/2010 13:40	52054
Surrogate: Bromofluorobenzene	106	60-123 %REC	16 06/04/2010 13:40	52054

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 10-Jun-10

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

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

Analyses	Result Qual	RL Unit	S DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			S	W8260_25_W
Vinyl chloride	ND	0.50 µg/L	1 06/04/2010 2:31	52053
Chloroethane	ND	0.50 µg/L	1 06/04/2010 2:31	52053
1,1-Dichloroethene	0.93	0.50 μ g/L	1 06/04/2010 2:31	52053
trans-1,2-Dichloroethene	ND	0.50 µg/L	1 06/04/2010 2:31	52053
Methyl tert-butyl ether	ND	0.50 µg/L	1 06/04/2010 2:31	52053
1,1-Dichloroethane	5.9	0.50 µg/L	1 06/04/2010 2:31	52053
cis-1,2-Dichloroethene	6.4	0.50 µg/L	1 06/04/2010 2:31	52053
1,1,1-Trichloroethane	5.4	0.50 µg/L	1 06/04/2010 2:31	52053
1,2-Dichloroethane	ND	0.50 µg/L	1 06/04/2010 2:31	52053
Benzene	ND	0.50 μg/L	1 06/04/2010 2:31	52053
Trichloroethene	150 E ·	0.50 µg/L	1 06/04/2010 2:31	52053
Toluene	ND	0.50 µg/L	1 06/04/2010 2:31	52053
1,1,2-Trichloroethane	ND	0.50 µg/L	1 06/04/2010 2:31	52053
Tetrachloroethene	ND	0.50 µg/L	1 06/04/2010 2:31	52053
Chlorobenzene	ND	0.50 µg/L	1 06/04/2010 2:31	52053
Ethylbenzene	ND	0.50 µg/L	1 06/04/2010 2:31	52053
m,p-Xylene	ND	0.50 µg/L	1 06/04/2010 2:31	52053
o-Xylene	ND	0.50 µg/L	1 06/04/2010 2:31	52053
Surrogate: Dibromofluoromethane	90.8	88-124 %REC	C 1 06/04/2010 2:31	52053
Surrogate: 1,2-Dichloroethane-d4	89.8	79-115 %REC	2 1 06/04/2010 2:31	52053
Surrogate: Toluene-d8	92.5	80-114 %REC	2 1 06/04/2010 2:31	52053
Surrogate: Bromofluorobenzene	107	60-123 %REC	C 1 06/04/2010 2:31	52053

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 10-Jun-10

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

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

Analyses	Result Qual	RL	Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			SW	8260_25_W	
Vinyl chloride	ND	4.0	µg/L	8 06/04/2010 14:09	52054
Chloroethane	ND	4.0	µg/L	8 06/04/2010 14:09	52054
1,1-Dichloroethene	ND	4.0	µg/L	8 06/04/2010 14:09	52054
trans-1,2-Dichloroethene	ND	4.0	µg/L	8 06/04/2010 14:09	52054
Methyl tert-butyl ether	ND	4.0	µg/L	8 06/04/2010 14:09	52054
1,1-Dichloroethane	5.8	4.0	µg/L	8 06/04/2010 14:09	52054
cis-1,2-Dichloroethene	6.6	4.0	µg/L	8 06/04/2010 14:09	52054
1,1,1-Trichloroethane	4.6	4.0	µg/L	8 06/04/2010 14:09	52054
1,2-Dichloroethane	ND	4.0	µg/L	8 06/04/2010 14:09	52054
Benzene	ND	4.0	µg/L	8 06/04/2010 14:09	52054
Trichloroethene	150	4.0	µg/L	8 06/04/2010 14:09	52054
Toluene	ND	4.0	µg/L	8 06/04/2010 14:09	52054
1,1,2-Trichloroethane	ND	4.0	µg/L	8 06/04/2010 14:09	52054
Tetrachloroethene	ND	4.0	µg/L	8 06/04/2010 14:09	52054
Chlorobenzene	ND	4.0	µg/L	8 06/04/2010 14:09	52054
Ethylbenzene	ND	4.0	µg/L	8 06/04/2010 14:09	52054
m,p-Xylene	ND	4.0	µg/L	8 06/04/2010 14:09	52054
o-Xylene	ND	4.0	µg/L	8 06/04/2010 14:09	52054
Surrogate: Dibromofluoromethane	93.1	88-124	%REC	8 06/04/2010 14:09	52054
Surrogate: 1,2-Dichloroethane-d4	94,3	7 9 -115	%REC	8 06/04/2010 14:09	52054
Surrogate: Toluene-d8	99.0	80-114	%REC	8 06/04/2010 14:09	52054
Surrogate: Bromofluorobenzene	110	60-123	%REC	8 06/04/2010 14:09	52054

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 10-Jun-10

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

Project:NOW Corp. SiteCollection Date:05/25/10 0:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			S	W8260_25_W
Vinyl chloride	ND	0.50 µg/L	1 06/04/2010 3:00	52053
Chloroethane	ND	0.50 µg/L	1 06/04/2010 3:00	52053
1,1-Dichloroethene	1.2	0.50 µg/L	1 06/04/2010 3:00	52053
trans-1,2-Dichloroethene	ND	0.50 µg/L	1 06/04/2010 3:00	52053
Methyl tert-butyl ether	ND	0.50 µg/L	1 06/04/2010 3:00	52053
1,1-Dichloroethane	5.7	0.50 µg/L	1 06/04/2010 3:00	52053
cis-1,2-Dichloroethene	5.9	0.50 µg/L	1 06/04/2010 3:00	52053
1,1,1-Trichloroethane	5.3	0.50 µg/L	1 06/04/2010 3:00	52053
1,2-Dichloroethane	ND	0.50 µg/L	1 06/04/2010 3:00	52053
Benzene	ND	0.50 µg/L	1 06/04/2010 3:00	52053
Trichloroethene	150 E	0.50 µg/L	1 06/04/2010 3:00	52053
Toluene	ND	0.50 µg/L	1 06/04/2010 3:00	52053
1,1,2-Trichloroethane	ND	0.50 µg/L	1 06/04/2010 3:00	52053
Tetrachloroethene	ND	0.50 µg/L	1 06/04/2010 3:00	52053
Chlorobenzene	ND	0.50 µg/L	1 06/04/2010 3:00	52053
Ethylbenzene	ND	0.50 µg/L	1 06/04/2010 3:00	52053
m,p-Xylene	ND	0.50 µg/L	1 06/04/2010 3:00	52053
o-Xylene	ND	0.50 µg/L	1 06/04/2010 3:00	52053
Surrogate: Dibromofluoromethane	92.3	88-124 %REC	1 06/04/2010 3:00	52053
Surrogate: 1,2-Dichloroethane-d4	86.7	79-115 %REC	1 06/04/2010 3:00	52053
Surrogate: Toluene-d8	92.9	80-114 %REC	1 06/04/2010 3:00	52053
Surrogate: Bromofluorobenzene	111	60-123 %REC	1 06/04/2010 3:00	52053

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 10-Jun-10

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

Project: NOW Corp. Site Collection Date: 05/25/10 0:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			sw	8260_25_W
Vinyl chloride	ND	5.0 µg/L	10 06/04/2010 14:38	52054
Chloroethane	ND	5.0 µg/L	10 06/04/2010 14:38	52054
1,1-Dichloroethene	ND	5.0 μg/L	10 06/04/2010 14:38	52054
trans-1,2-Dichloroethene	ND	5.0 μg/L	10 06/04/2010 14:38	52054
Methyl tert-butyl ether	ND	5.0 µg/L	10 06/04/2010 14:38	52054
1,1-Dichloroethane	5.9	5.0 µg/L	10 06/04/2010 14:38	52054
cis-1,2-Dichloroethene	7.0	5.0 µg/L	10 06/04/2010 14:38	52054
1,1,1-Trichloroethane	5.7	5.0 μg/L	10 06/04/2010 14:38	52054
1,2-Dichloroethane	ND	5.0 µg/L	10 06/04/2010 14:38	52054
Benzene	ND	5.0 μg/L	10 06/04/2010 14:38	52054
Trichloroethene	160	5.0 µg/L	10 06/04/2010 14:38	52054
Toluene	ND	5.0 µg/L	10 06/04/2010 14:38	52054
1,1,2-Trichloroethane	ND	5.0 µg/L	10 06/04/2010 14:38	52054
Tetrachloroethene	ND	5.0 μg/L	10 06/04/2010 14:38	52054
Chlorobenzene	ND	5.0 μg/L	10 06/04/2010 14:38	52054
Ethylbenzene	ND	5.0 μg/L	10 06/04/2010 14:38	52054
m,p-Xylene	ND	5.0 μg/L	10 06/04/2010 14:38	52054
o-Xylene	ND	5.0 μg/L	10 06/04/2010 14:38	52054
Surrogate: Dibromofluoromethane	92.4	88-124 %REC	10 06/04/2010 14:38	52054
Surrogate: 1,2-Dichloroethane-d4	100	79-115 %REC	10 06/04/2010 14:38	52054
Surrogate: Toluene-d8	95.3	80-114 %REC	10 06/04/2010 14:38	52054
Surrogate: Bromofluorobenzene	107	60-123 %REC	10 06/04/2010 14:38	52054

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 10-Jun-10

Client: AECOM Technical Services, Inc. Client Sample ID: MW-4S Lab ID: J1115-09

Project: NOW Corp. Site Collection Date: 05/25/10 13:40

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			SV	V8260_25_W
Vinyl chloride	ND	0.50 µg/L	1 06/04/2010 3:28	52053
Chloroethane	1.4	0.50 µg/L	1 06/04/2010 3:28	52053
1,1-Dichloroethene	ND	0.50 µg/L	1 06/04/2010 3:28	52053
trans-1,2-Dichloroethene	ND	0.50 µg/L	1 06/04/2010 3:28	52053
Methyl tert-butyl ether	ND	0.50 µg/L	1 06/04/2010 3:28	52053
1,1-Dichloroethane	2.0	0.50 µg/L	1 06/04/2010 3:28	52053
cis-1,2-Dichloroethene	ND	0.50 µg/L	1 06/04/2010 3:28	52053
1,1,1-Trichloroethane	ND	0.50 µg/L	1 06/04/2010 3:28	52053
1,2-Dichloroethane	ND	0.50 µg/L	1 06/04/2010 3:28	52053
Benzene	ND	0.50 µg/L	1 06/04/2010 3:28	52053
Trichloroethene	ND	0.50 µg/L	1 06/04/2010 3:28	52053
Toluene	ND	0.50 µg/L	1 06/04/2010 3:28	52053
1,1,2-Trichloroethane	ND	0.50 µg/L	1 06/04/2010 3:28	52053
Tetrachloroethene	ND	0.50 µg/L	1 06/04/2010 3:28	52053
Chlorobenzene	ND	0.50 µg/L	1 06/04/2010 3:28	52053
Ethylbenzene	ND	0.50 µg/L	1 06/04/2010 3:28	52053
m,p-Xylene	ND	0.50 µg/L	1 06/04/2010 3:28	52053
o-Xylene	ND	0.50 µg/L	1 06/04/2010 3:28	52053
Surrogate: Dibromofluoromethane	91.4	88-124 %REC	1 06/04/2010 3:28	52053
Surrogate: 1,2-Dichloroethane-d4	91.6	79-115 %REC	1 06/04/2010 3:28	52053
Surrogate: Toluene-d8	94.4	80-114 %REC	1 06/04/2010 3:28	52053
Surrogate: Bromofluorobenzene	109	60-123 %REC	1 06/04/2010 3:28	52053

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

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

Date: 10-Jun-10

Client: AECOM Technical Services, Inc. Client Sample ID: TRIP BLANK Lab ID: J1115-10

Project: NOW Corp. Site Collection Date: 05/25/10 0:00

Analyses	Result Qual	RL Un	nits DF Date Analyzed	Batch ID
SW846 8260C VOC by GC-MS (25 mL Purge)			:	SW8260_25_W
Vinył chloride	ND	0.50 µg/L	L 1 06/03/2010 23:08	52053
Chloroethane	ND	0.50 µg/L	L 1 06/03/2010 23:08	52053
1,1-Dichloroethene	ND	0.50 µg/L	L 1 06/03/2010 23:08	52053
trans-1,2-Dichloroethene	ND	0.50 µg/L	L 1 06/03/2010 23:08	52053
Methyl tert-butyl ether	ND	0.50 µg/L	L 1 06/03/2010 23:08	52053
1,1-Dichloroethane	ND	0.50 µg/L	L 1 06/03/2010 23:08	52053
cis-1,2-Dichloroethene	ND	0.50 µg/L	L 1 06/03/2010 23:08	52053
1,1,1-Trichloroethane	ND	0.50 µg/L	1 06/03/2010 23:08	52053
1,2-Dichloroethane	ND	0.50 μg/L	L 1 06/03/2010 23:08	52053
Benzene	ND	0.50 µg/L	L 1 06/03/2010 23:08	52053
Trichloroethene	ND	0.50 µg/L	1 06/03/2010 23:08	52053
Toluene	ND	0.50 µg/L	1 06/03/2010 23:08	52053
1,1,2-Trichloroethane	ND	0.50 µg/L	1 06/03/2010 23:08	52053
Tetrachloroethene	ND	0.50 µg/L	1 06/03/2010 23:08	52053
Chlorobenzene	ND	0.50 µg/L	1 06/03/2010 23:08	52053
Ethylbenzene	ND	0.50 µg/L	1 06/03/2010 23:08	52053
m,p-Xylene	ND	0.50 µg/L	1 06/03/2010 23:08	52053
o-Xylene	ND	0.50 µg/L	1 06/03/2010 23:08	52053
Surrogate: Dibromofluoromethane	92.8	88-124 %RE	EC 1 06/03/2010 23:08	52053
Surrogate: 1,2-Dichloroethane-d4	91.3	79-115 %RE	EC 1 06/03/2010 23:08	52053
Surrogate: Toluene-d8	97.1	80-114 %RE	EC 1 06/03/2010 23:08	52053
Surrogate: Bromofluorobenzene	109	60-123 %RE	EC 1 06/03/2010 23:08	52053

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

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

RL - Reporting Limit

Work Order:

CLIENT:	AECOM Technical	Services, Inc.
---------	-----------------	----------------

ANALYTICAL QC SUMMARY REPORT SW8260_25_W

Project: NOW Corp. Site

J1115

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

Sample ID: MB-52053	SampType: MBLK	TestCo	de: SW8260_25_W		Prep Date:	06/03/10) 13:59	Run ID:	V5_100603B		
Client ID: MB-52053	Batch ID: 52053	Uni	ts: µg/L		Analysis Date:	06/03/10) 17:50	SeqNo	1306079		
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC L	.owLimit High	Limit	RPD Ref Val	%RPD RPDLimit	Qual
Vinyl chloride	ND	0.077	0.50								
Chloroethane	ND	0.42	0.50								
1,1-Dichloroethene	ND	0.22	0.50								
trans-1,2-Dichloroethene	ND	0.14	0.50								
Methyl tert-butyl ether	ND	0.090	0.50								
1,1-Dichloroethane	ND	0.14	0.50								
cis-1,2-Dichloroethene	ND	0.10	0.50								
1,1,1-Trichloroethane	ND	0.14	0.50								
1,2-Dichloroethane	ND	0.12	0.50								
Benzene	ND	0.13	0.50								
Trichloroethene	ND	0.12	0.50								
Toluene	ND	0.095	0.50								
1,1,2-Trichloroethane	ND	0.090	0.50								
Tetrachloroethene	ND	0.11	0.50								
Chlorobenzene	ND	0.096	0.50								
Ethylbenzene	ND	0.074	0.50								
m,p-Xylene	ND	0.19	0.50								
o-Xylene	ND	0.083	0.50								
Surrogate: Dibromofluoromethane	9.239	0	0.50	10.00	0	92.4	88 3	124	0		
Surrogate: 1,2- Dichloroethane-d4	9.504	0	0.50	10.00	0	95.0	79	115	0		
Surrogate: Toluene-d8	9.576	0	0.50	10.00	0	95.8	80	114	0		
Surrogate: Bromofluorobenzene	11.01	0	0.50	10.00	0	110	60	123	0		

mLIMS-002

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

NOW Corp. Site

J1115

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: LCS-52053 Client ID: LCS-52053	SampType: LCS Batch ID: 52053		de: SW8260_25_W ts: μg/L		Prep Date: Analysis Date:				n ID: V5_100603B qNo: 1306077		
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Vinyl chloride	11.57	0.077	0.50	10.00	0	116	77	120	0		
Chloroethane	10.71	0.42	0.50	10.00	0	107	75	135	0		
1,1-Dichloroethene	9.373	0.22	0.50	10.00	0	93.7	81	125	0		
trans-1,2-Dichloroethene	9.334	0.14	0.50	10.00	0	93.3	60	137	0		
Methyl tert-butyl ether	9.103	0.090	0.50	10.00	0	91.0	61	134	0		
1,1-Dichloroethane	9.455	0.14	0.50	10.00	0	94.6	82	120	0		
cis-1,2-Dichloroethene	8.795	0.10	0.50	10.00	0	88.0	84	116	0		
1,1,1-Trichloroethane	9.522	0.14	0.50	10.00	0	95.2	80	124	0		
1,2-Dichloroethane	9.086	0.12	0.50	10.00	0	90.9	86	117	0		
Benzene	10.40	0.13	0.50	10.00	0	104	81	121	0		
Trichloroethene	10.06	0.12	0.50	10.00	0	101	74	123	0		
Toluene	10.51	0.095	0.50	10.00	0	105	88	117	0		
1,1,2-Trichloroethane	9.302	0.090	0.50	10.00	0	93.0	83	121	0		
Tetrachloroethene	8.698	0.11	0.50	10.00	0	87.0	74	115	0		
Chlorobenzene	9.497	0.096	0.50	10.00	0	95.0	83	112	0		
Ethylbenzene	10.30	0.074	0.50	10.00	0	103	87	110	0		
m,p-Xylene	20.25	0.19	0.50	20.00	0	101	87	114	0		
o-Xylene	10.05	0.083	0.50	10.00	0	101	84	114	0		
Surrogate: Dibromofluoromethane	9.629	0	0.50	10.00	0	96.3	88	124	0		
Surrogate: 1,2- Dichloroethane-d4	9.087	. 0	0.50	10.00	0	90.9	79	115	0		
Surrogate: Toluene-d8	9.625	0	0.50	10.00	0	96.2	80	114	0		
Surrogate: Bromofluorobenzene	10.39	0	0.50	10.00	0	104	60	123	0		

> Qualifiers: mLIMS-002

J - Analyte detected below quantitation limits

Project:

NOW Corp. Site

J1115

Work Order:

Project:

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: LCSD-52053 Client ID: LCSD-52053	SampType: LCSD Batch ID: 52053		de: SW8260_25_W ts: μg/L		Prep Date: Analysis Date:	06/03/10 06/03/10			ID: V5_100603B No: 1306078			
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC L	_owLimit	HighLimit	RPD Ref Val	%RPD R	PDLimit	Qual
Vinyl chloride	11.64	0.077	0.50	10.00	0	116	77	120	11.57	0.575	40	
Chloroethane	10.87	0.42	0.50	10.00	0	109	75	135	10.71	1.48	40	
1,1-Dichloroethene	9.503	0.22	0.50	10.00	0	95.0	81	125	9.373	1.38	40	
trans-1,2-Dichloroethene	10.66	0.14	0.50	10.00	0	107	60	137	9.334	13.2	40	
Methyl tert-butyl ether	10.19	0.090	0.50	10.00	0	102	61	134	9.103	11.3	40	
1,1-Dichloroethane	10.71	0.14	0.50	10.00	0	107	82	120	9.455	12.4	40	
cis-1,2-Dichloroethene	10.40	0.10	0.50	10.00	0	104	84	116	8.795	16.7	40	
1,1,1-Trichloroethane	10.93	0.14	0.50	10.00	0	109	80	124	9.522	13.8	40	
1,2-Dichloroethane	10.24	0.12	0.50	10.00	0	102	86	117	9.086	12	40	
Benzene	11.59	0.13	0.50	10.00	0	116	81	121	10.40	10.8	40	
Trichloroethene	11.82	0.12	0.50	10.00	0	118	74	123	10.06	16	40	
Toluene	11.75	0.095	0.50	10.00	0	118	88	117	10.51	11.1	40	S
1,1,2-Trichloroethane	10.41	0.090	0.50	10.00	0	104	83	121	9.302	11.3	40	
Tetrachloroethene	9.013	0.11	0.50	10.00	0	90.1	74	115	8.698	3.56	40	
Chlorobenzene	10.55	0.096	0.50	10.00	0	106	83	112	9.497	10.5	40	
Ethylbenzene	11.05	0.074	0.50	10.00	0	110	87	110	10.30	6.98	40	S
m,p-Xylene	21.87	0.19	0.50	20.00	0	109	87	114	20.25	7.72	40	
o-Xylene	11.00	0.083	0.50	10.00	0	110	84	114	10.05	8.99	40	
Surrogate: Dibromofluoromethane	9.753	0	0.50	10.00	0	97.5	88	124	0			
Surrogate: 1,2- Dichloroethane-d4	8.711	0	0.50	10.00	0	87.1	79	115	0			
Surrogate: Toluene-d8	9.746	0	0.50	10.00	0	97.5	80	114	0			
Surrogate: Bromofluorobenzene	10.36	0	0.50	10.00	0	104	60	123	0			

SEZS

Qualifiers:

mLIMS-002

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

NOW Corp. Site

J1115

Work Order:

Project:

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: MB-52054	SampType: MBLK	TestCo	de: SW8260_25_W		Prep Date:	06/03/10	14:00	Run ID	V5_100604A		
Client ID: MB-52054	Batch ID: 52054	Uni	ts: μ <mark>g/L</mark>		Analysis Date:	06/04/10	11:45	SeqNo	1308465		
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC L	owLimit High	Limit	RPD Ref Val	%RPD RPDLimit	Qual
Vinyl chloride	ND	0.077	0.50							-	
Chloroethane	ND	0.42	0.50								
1,1-Dichloroethene	ND	0.22	0.50								
trans-1,2-Dichloroethene	ND	0.14	0.50								
Methyl tert-butyl ether	ND	0.090	0.50								
1,1-Dichloroethane	ND	0.14	0.50								
cis-1,2-Dichloroethene	ND	0.10	0.50								
1,1,1-Trichloroethane	ND	0.14	0.50								
1,2-Dichloroethane	ND	0.12	0.50								
Benzene	ND	0.13	0.50								
Trichloroethene	ND	0.12	0.50								
Toluene	ND	0.095	0.50								
1,1,2-Trichloroethane	ND	0.090	0.50								
Tetrachloroethene	ND	0.11	0.50								
Chlorobenzene	ND	0.096	0.50								
Ethylbenzene	ND	0.074	0.50								
m,p-Xylene	ND	0.19	0.50								
o-Xylene	ND	0.083	0.50								
Surrogate: Dibromofluoromethane	9.390	0	0.50	10.00	0	93.9	88	24	0		
Surrogate: 1,2- Dichloroethane-d4	9.503	0	0.50	10.00	0	95.0	79	15	0		
Surrogate: Toluene-d8	9.475	0	0.50	10.00	0	94.8	80 3	14	0		
Surrogate: Bromofluorobenzene	10.53	0	0.50	10.00	0	105	60 3	123	0		

Qualifiers:

mLIMS-002

J - Analyte detected below quantitation limits

ANALYTICAL QC SUMMARY REPORT

Work Order:

Project: NOW Corp. Site

J1115

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

Sample ID: LCS-52054	SampType: LCS		de: SW8260_25_W		Prep Date:	06/03/1	0 14:00	Run I): V5_100604A		
Client ID: LCS-52054	Batch ID: 52054	Uni	its: μg/L		Analysis Date:	06/04/1	0 10:47	SeqNo	D: 1308463		
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
Vinyl chloride	12.21	0.077	0.50	10.00	0	122	77	120	0		S
Chloroethane	10.82	0.42	0.50	10.00	0	108	75	135	0		
1,1-Dichloroethene	9.526	0.22	0.50	10.00	0	95.3	81	125	0		
trans-1,2-Dichloroethene	10.00	0.14	0.50	10.00	0	100	60	137	0		
Methyl tert-butyl ether	9.687	0.090	0.50	10.00	0	96.9	61	134	0		
1,1-Dichloroethane	11.03	0.14	0.50	10.00	0	110	82	120	0		
cis-1,2-Dichloroethene	9.704	0.10	0.50	10.00	0	97.0	84	116	0		
1,1,1-Trichloroethane	10.74	0.14	0.50	10.00	0	107	80	124	0		
1,2-Dichloroethane	10.30	0.12	0.50	10.00	0	103	86	117	0		
Benzene	11.42	0.13	0.50	10.00	0	114	81	121	0		
Trichloroethene	11.08	0.12	0.50	10.00	0	111	74	123	0		
Toluene	11.49	0.095	0.50	10.00	0	115	88	117	0		
1,1,2-Trichloroethane	10.10	0.090	0.50	10.00	0	101	83	121	0		
Tetrachloroethene	9.558	0.11	0.50	10.00	0	95.6	74	115	0		
Chlorobenzene	9.826	0.096	0.50	10.00	0	98.3	83	112	0		
Ethylbenzene	10.69	0.074	0.50	10.00	0	107	87	110	0		
m,p-Xylene	21.69	0.19	0.50	20.00	0	108	87	114	0		
o-Xylene	10.40	0.083	0.50	10.00	0	104	84	114	0		
Surrogate: Dibromofluoromethane	9.345	0	0.50	10.00	0	93.4	88	124	0		
Surrogate: 1,2- Dichloroethane-d4	9.398	0	0.50	10.00	0	94.0	79	115	0		
Surrogate: Toluene-d8	9.560	0	0.50	10.00	0	95.6	80	114	0		
Surrogate: Bromofluorobenzene	10.27	0	0.50	10.00	0	103	60	123	0		

Qualifiers:

mLIMS-002

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

Work Order:

J1115 NOW Corp. Site **Project:**

SW8260_25_W

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

Sample ID: LCSD-52054	SampType: LCSD	TestCo	de: SW8260_25_W		Prep Date:	06/03/10	0 14:00	Run	ID: V5_100604A			
Client ID: LCSD-52054	Batch ID: 52054	Uni	its: μg/L		Analysis Date:	06/04/10	0 11:15	Seq	No: 1308464			
Analyte	Result	MDL	PQL	SPK value	SPK Ref Val	%REC L	.owLimit	HighLimit	RPD Ref Val	%RPD R	PDLimit	Qual
Vinyl chloride	11.40	0.077	0.50	10.00	0	114	77	120	12.21	6.94	40	
Chloroethane	10.07	0.42	0.50	10.00	0	101	75	135	10.82	7.14	40	
1,1-Dichloroethene	8.975	0.22	0.50	10.00	0	89.7	81	125	9.526	5.96	40	
trans-1,2-Dichloroethene	9.634	0.14	0.50	10.00	0	96.3	60	137	10.00	3.78	40	
Methyl tert-butyl ether	9.576	0.090	0.50	10.00	0	95.8	61	134	9.687	1.15	40	
1,1-Dichloroethane	10.43	0.14	0.50	10.00	0	104	82	120	11.03	5.54	40	
cis-1,2-Dichloroethene	9.754	0.10	0.50	10.00	0	97.5	84	116	9.704	0.512	40	
1,1,1-Trichloroethane	10.25	0.14	0.50	10.00	0	102	80	124	10.74	4.7	40	
1,2-Dichloroethane	9.735	0.12	0.50	10.00	0	97.4	86	117	10.30	5.61	40	
Benzene	11.22	0.13	0.50	10.00	0	112	81	121	11.42	1.75	40	
Trichloroethene	11.07	0.12	0.50	10.00	0	111	74	123	11.08	0.0365	40	
Toluene	11.30	0.095	0.50	10.00	0	113	- 88	117	11.49	1.6	40	
1,1,2-Trichloroethane	9.524	0.090	0.50	10.00	0	95.2	83	121	10.10	5.84	40	
Tetrachloroethene	9.118	0.11	0.50	10.00	0	91.2	74	115	9.558	4.71	40	
Chlorobenzene	9.856	0.096	0.50	10.00	0	98.6	83	112	9.826	0.306	40	
Ethylbenzene	10.28	0.074	0.50	10.00	0	103	. 87	110	10.69	3.9	40	
m,p-Xylene	20.74	0.19	0.50	20.00	0	104	87	114	21.69	4.47	40	
o-Xylene	10.18	0.083	0.50	10.00	0	102	84	114	10.40	2.16	40	
Surrogate: Dibromofluoromethane	9.415	0	0.50	10.00	0	94.2	88	124	0			
Surrogate: 1,2- Dichloroethane-d4	8.915	0	0.50	10.00	0	89.1	79	115	0			
Surrogate: Toluene-d8	9.748	0	0.50	10.00	0	97.5	80	114	0			
Surrogate: Bromofluorobenzene	10.36	0	0.50	10.00	0	104	60	123	0			

Qualifiers:

mLIMS-002

WorkOrder: J1115

05/28/2010 09:05

Mitkem Laboratories

Special Program:

Report Level: LEVEL 2

EDD:

HC Due: 06/15/10

Fax Due:

Fax Report:

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

PO: 94017.02

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

-

 $\stackrel{\circ}{\underset{}}$ HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY	CH	AIN C		CU Page	•		,		RE	EC	OR	D	□ Ru: · All · Min · San	ndard T sh TAT TATs n. 24-hou nples dis	pecial Handling: AT - 7 to 10 business days - Date Needed: subject to laboratory approval. r notification needed for rushes. posed of after 60 days unless istructed.
Report To: AECOM Environment 40 British American Blud Luthan, NY 12110 Telephone #: 518-951-2200		Invoice To								Site Loca		Nov Stat	n Cor Hsbu	-p -g	02
Project Mgr. Steve Shotmere $1=Na_2S2O_3$ 2=HCl 3=H ₂ SO ₄ 4 8= NaHSO ₄ 9=			=Asco	orbic A	cid						preservat				QA/QC Reporting Notes: (check as needed)
DW=Drinking Water GW=Groundwater O=Oil SW= Surface Water SO=Soil X1= X2=	WW=Wa SL=Sludge	astewater A=Air			Vials		ntaine SSB	ers:			Ana	alyses:			Provide MA DEP MCP CAM Report Provide CT DPH RCP Report QA/QC Reporting Level
G=Grab C=Composi Lab Id: Sample Id: Da	te	Time:	Type	Matrix	# of VOA Vi	# of Amber Glass	# of Clear Glass	# of Plastic	8260						Standard No QC Other State specific reporting standards:
$ \begin{array}{c cccccccccccccccccccccccccccccccccc$	10 8		G 1	GW	2				×						
- 03 MW-GS - 04 MW-GD	10	45							XX						
- 05 MW-1 - 05 MW-78 - 07 MW-7D	<u> </u>	20 20 30				·			× × ×						
- 08 DVP-1 7 - 09 MW-45	13	40							x x x						
JIII5 - 16 Trip Blank - Relinquished by:	Receive	ed by:		5/25			4	Time:	Tem		EDI				1
Vere		auli	<u> </u>	5/2	28/1	0	8.	28	<u> </u>	~	 D Ambient	□ Iced	Refrig	erated 🛛 F	ridge temp°C □ Freezer temp°C

11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com

And the second second

MITKEM LABORATORIES Sample Condition Form

		_	\	·				_(-	<u> </u>	
Received By: NEG	Reviewed By	: CAO	<u>ر</u>						ler #:	51115	
Client Project: Now	corp	1		Client			<u>-N4</u>		r	Soil Headspace	
							n (pH) T	1	VOA	Air Bubble	
		Lab Sa	mple ID	HNO ₃	H₂SO₄	нсі	NaOH	H ₃ PO₄	Matrix	1/4"	
1) Cooler Sealed	(Yes) No	51115	01	 			 		<u> </u>		
	\frown		ರಿತಿ								
2) Custody Seal(s)	Present/ Absent		03								
	Coolers / Bottles		04								
	Intact		05								
			06				1				
3) Custody Seal Number	$(c) A \downarrow A$		76				†				
J) Custody Sear Number			08				<u> </u>				
			09				<u> </u>		┝╌╁╴		
									\ ₹		
		51115	10						н		
4) Chain-of-Custody	Present / Absent									\square	
5) Cooler Temperature	2°C										
IR Temp Gun ID	MT-1								Y		
Coolant Condition	162							7			
						<u></u>					
6) Airbill(s)	Present / Absent						\square				
, ,,							/				
Airbill Number(s)	Fedex					+					
	8659999030608			-		7					
	/				13 ⁵¹¹						
	/			- 5			ļ				
				Y							
7) Samples Bottles	Intagt / Broken / Leaking			1							
								-			
8) Date Received	5128110		X								
,											
9) Time Received	Qual Char										
b) Time Received	8:3 8:28 VEGS128110	-/									
		/		<u></u>							
Preservative Name/Lot N	10.:	L		L Matrix	Kov						
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				Unpre	serve	d Soil		A = A	ir	
					-						
				M = N		20170	a riqui		B H = HCI E = Encore		
				laHSC)4			F = Freeze			
See Sampl	e Condition Notification/Corre	ective Actio									

Last Page of Data Report