

Operation, Maintenance and Monitoring Report September 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

November 2010



November 12, 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: "September" 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 29-day period (**August 26 – September 24, 2010**).

With the exceptions noted below, if any, the P&T system was online and operational throughout the reporting period. Approximately 233,400 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 8,050 gallons per day (gpd), a little more than the 7,800 gpd in the prior reporting period.

As of the last day of the reporting period, a total of 80,158,900 gallons of groundwater had been recovered and treated by the system since it became operational in February 1998.

Table 1 summarizes influent and effluent analytical data for water samples collected on September 24, 2010. **Effluent limitations were not exceeded for any analyte.** A copy of the analytical laboratory report is attached. Table 2 and Table 3 summarize selected operational data and quarterly groundwater levels, respectively, as recorded on the sampling date. Monitoring well locations are shown on Figure 1.

AECOM made one site visit during the period to conduct the required system inspection, perform scheduled and/or unscheduled maintenance, perform groundwater level measurements, and to collect water samples. The August 26 service visit was described in the previous report. Details for the current period follow:

September 24 – Monthly O&M service visit. Took building readings, collected influent and effluent samples, inspected TW-1 transducer, and measured groundwater levels in select monitoring wells.

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.

A handwritten signature in cursive script, reading "Stephen R. Choiniere".

Stephen R. Choiniere
Project Manager

TABLES

Table 1
Summary of Influent and Effluent Data
Sampling Date: September 24, 2010
NOW Corporation Site
Town of Clinton, New York

Analytes/ Parameters	Total Influent	Effluent	Recovery Wells			Effluent Limitations	
			TW-1	TW-2A	TW-3	(units)	
Quantity treated, per day		8,048				Monitor	gpd
pH	6.9	7.1				6.5 to 8.5	standard units
Oil and Grease	<0.5	<5.0	NA	NA	NA	15	mg/L
Total Cyanide	<10	<10	NA	NA	NA	10	ug/L
TDS	400	340	NA	NA	NA	1000	mg/L
TSS	18	<10	NA	NA	NA	50	mg/L
Aluminum, Total	<200	<200	NA	NA	NA	2000	ug/L
Arsenic, Total	<20	<20	NA	NA	NA	50	ug/L
Barium, Total	110 J	99 J	NA	NA	NA	2000	ug/L
Chromium	<20	<20	NA	NA	NA	100	ug/L
Copper	<25	<25	NA	NA	NA	24	ug/L
Iron	83 J	<200	NA	NA	NA	600	ug/L
Mercury	<0.20	<0.20	NA	NA	NA	0.8	ug/L
Manganese	260	51	NA	NA	NA	600	ug/L
Nickel	2.7 J	2.3 J	NA	NA	NA	200	ug/L
Zinc	11 J	9.7 J	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	750	<0.50	0.98 J	1200	22	5	ug/L
1,1,2-Trichloroethane	<10	<0.50	<1.0	<20	<0.50	1.2	ug/L
1,1-Dichloroethane	290	<0.50	59	420	33	5	ug/L
1,1-Dichloroethene	95	<0.50	13	130	4.1	0.5	ug/L
1,2-Dichloroethane	<10	<0.50	<1.0	<20	<0.50	1.6	ug/L
Benzene	<10	<0.50	<1.0	<20	<0.50	0.8	ug/L
Chlorobenzene	<10	<0.50	<1.0	<20	<0.50	5	ug/L
Chloroethane	<10	<0.50	<1.0	<20	<0.50	5	ug/L
cis -1,2-Dichloroethene	19	<0.50	3.3	29	<0.50	5	ug/L
Ethylbenzene	<10	<0.50	<1.0	<20	<0.50	5	ug/L
Methyl tert-butyl ether	<10	<0.50	<1.0	<20	<0.50	5	ug/L
o-Xylene	<10	<0.50	<1.0	<20	<0.50	5	ug/L
p&m-Xylene	<10	<0.50	<1.0	<20	<0.50	10	ug/L
Tetrachloroethene	<10	<0.50	<1.0	<20	<0.50	1.4	ug/L
Toluene	<10	<0.50	<1.0	<20	<0.50	5	ug/L
trans -1,2-Dichloroethene	<10	<0.50	<1.0	<20	<0.50	5	ug/L
Trichloroethene	440	<0.50	48	660	10	5	ug/L
Vinyl Chloride	<10	<0.50	<1.0	<20	<0.50	0.6	ug/L

Notes:

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

Table 2
Summary of September 2010 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		9/24/10	Units
<i>TW-1</i>			
	Pumping Rate	3	GPM
	Water Level Above Transducer	15.45	feet
	Flow Meter Reading	5,713,300	gallons
	Pump Pressure	75	psi
<i>TW-2A</i>			
	Pumping Rate	~14	GPM
	Water Level Above Transducer	24.00	feet
	Flow Meter Reading	18,260,900	gallons
	Pump Pressure	20	psi
<i>TW-3</i>			
	Pumping Rate	2	GPM
	Water Level Above Transducer	15.62	feet
	Flow Meter Reading	8,223,500	gallons
	Pump Pressure	75	psi
<i>Air Stripper</i>			
	Stripper Blower Pressure	18	inches H ₂ O
	Air Temperature in Stripper	52	°F
	Pressure Gauge - Left Leg	1.8	inches H ₂ O
	Pressure Gauge - Right Leg	0.5	inches H ₂ O
<i>Effluent Flow</i>			
	Effluent Flow this period (calculated)	233,400	gallons
	Total Effluent Flow (calculated)	80,158,900	gallons

Table 3
September 2010 Groundwater Levels

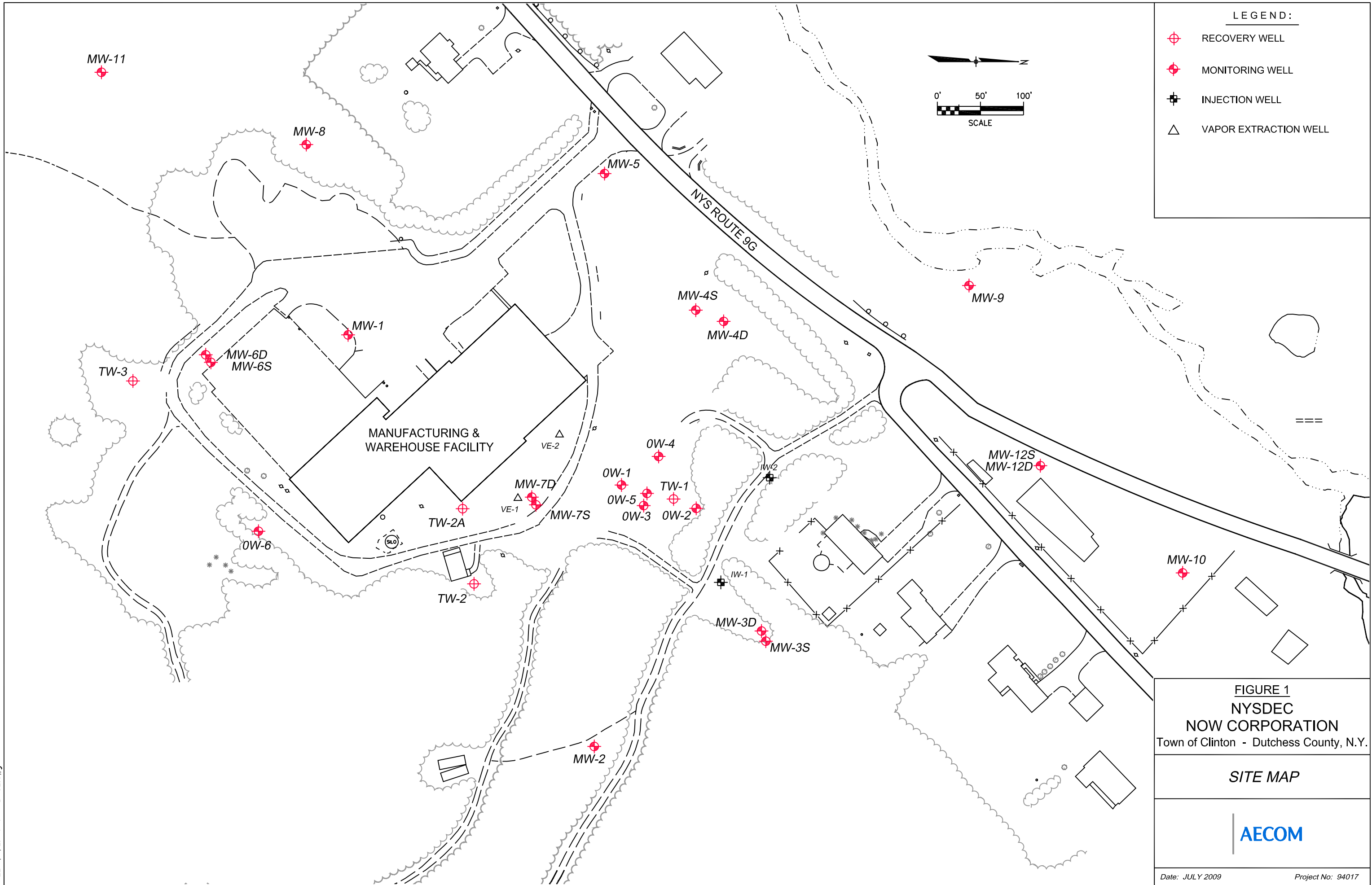
NOW Corporation Site
Town of Clinton, New York

Well ID	MP Elevation	9/24/10	
		Depth to Water (Ft below MP)	GW Elevation
MW-1	289.50	20.10	269.40
MW-2	332.51	40.00	292.51
MW-3	312.83	36.78	276.05
MW-3S	312.51	32.72	279.79
MW-4	298.29	28.55	269.74
MW-4D	298.16	28.40	269.76
MW-5	285.48	21.19	264.29
MW-6S	287.90	24.12	263.78
MW-6D	287.25	17.88	269.37
MW-7S	292.12	31.68	260.44
MW-7D	292.54	77.45	215.09
OW-1	307.75	59.48	248.27
OW-2	305.96	69.87	236.09
OW-6	294.81	17.83	276.98
IW-1	312.46	43.59	268.87
IW-2	306.56	44.38	262.18

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

FIGURES

FILE NAME: 94017-BASE.dwg



**INFLUENT & EFFLUENT WATER
ANALYTICAL REPORT**

Report Date:
13-Oct-10 10:42



- ☒ 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

Work Order: J1859
Project: NOW Corp. Site
Project #:

Attn: Stephen Choiniere

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
J1859-01	EFF 92410	Aqueous	24-Sep-10 10:15	25-Sep-10 08:50
J1859-02	INF 92410	Aqueous	24-Sep-10 10:25	25-Sep-10 08:50
J1859-03	TW-1	Aqueous	24-Sep-10 10:35	25-Sep-10 08:50
J1859-04	TW-2A	Aqueous	24-Sep-10 10:40	25-Sep-10 08:50
J1859-05	TW-3	Aqueous	24-Sep-10 10:40	25-Sep-10 08:50
J1859-06	TRIP BLANK	Aqueous	24-Sep-10 00:00	25-Sep-10 08:50

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

All applicable NELAC or USEPA CLP requirements have been met.

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

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

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



Authorized by:

A handwritten signature in black ink.

Yihai Ding
Laboratory Director

Technical Reviewer's Initials:

Handwritten initials 'YD' in black ink.

Report of Laboratory Analyses for AECOM Technical Services

Client Project: NOW Corp. 94017.02, 09/10

Mitkem Work Order ID: J1859

October 13, 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, 09/10

Lab Work Order: J1859

Date samples received: 09/25/10

Project Narrative

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

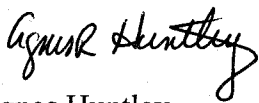
Surrogate recoveries were within the QC limits for volatile organic analyses with the exception of marginally high recovery of 1,2-dichloroethane-d4 in sample TW-2A. Percent recoveries in laboratory control samples were within the QC limits with the exception of marginally high recovery of m,p-xylene in LCS-54454. The following samples were re-analyzed at dilution: INF 92410 (20x), TW-1 (2x) and TW-2A (40x).

Spike recoveries were within the QC limits in the laboratory control samples for oil and grease, metals, total dissolved solids, total suspended solids and cyanide analyses. Matrix spike was performed on sample INF 92410 for cyanide. Spike recovery was within the QC limits. Duplicate analysis was performed on sample INF 92410 for cyanide, total dissolved solids and total suspended solids. Percent RPD was within the QC limits for all analyses.

No other unusual occurrences were noted during sample analysis.

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

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



Agnes Huntley
CLP Project Manager

Mitkem Laboratories

Date: 05-Oct-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF 92410

Lab ID: J1859-01

Project: NOW Corp. Site

Collection Date: 09/24/10 10:15

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	09/30/2010 14:56	54454
Chloroethane	ND		0.50	µg/L	1	09/30/2010 14:56	54454
1,1-Dichloroethene	ND		0.50	µg/L	1	09/30/2010 14:56	54454
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	09/30/2010 14:56	54454
Methyl tert-butyl ether	ND		0.50	µg/L	1	09/30/2010 14:56	54454
1,1-Dichloroethane	ND		0.50	µg/L	1	09/30/2010 14:56	54454
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	09/30/2010 14:56	54454
1,1,1-Trichloroethane	ND		0.50	µg/L	1	09/30/2010 14:56	54454
1,2-Dichloroethane	ND		0.50	µg/L	1	09/30/2010 14:56	54454
Benzene	ND		0.50	µg/L	1	09/30/2010 14:56	54454
Trichloroethene	ND		0.50	µg/L	1	09/30/2010 14:56	54454
Toluene	ND		0.50	µg/L	1	09/30/2010 14:56	54454
1,1,2-Trichloroethane	ND		0.50	µg/L	1	09/30/2010 14:56	54454
Tetrachloroethene	ND		0.50	µg/L	1	09/30/2010 14:56	54454
Chlorobenzene	ND		0.50	µg/L	1	09/30/2010 14:56	54454
Ethylbenzene	ND		0.50	µg/L	1	09/30/2010 14:56	54454
m,p-Xylene	ND		0.50	µg/L	1	09/30/2010 14:56	54454
o-Xylene	ND		0.50	µg/L	1	09/30/2010 14:56	54454
Surrogate: Dibromofluoromethane	114		88-124	%REC	1	09/30/2010 14:56	54454
Surrogate: 1,2-Dichloroethane-d4	110		79-115	%REC	1	09/30/2010 14:56	54454
Surrogate: Toluene-d8	100		80-114	%REC	1	09/30/2010 14:56	54454
Surrogate: Bromofluorobenzene	107		60-123	%REC	1	09/30/2010 14:56	54454

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

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

Mitkem Laboratories

Date: 05-Oct-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF 92410

Lab ID: J1859-02

Project: NOW Corp. Site

Collection Date: 09/24/10 10:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		10	µg/L		20 09/30/2010 16:42	54454
Chloroethane	ND		10	µg/L		20 09/30/2010 16:42	54454
1,1-Dichloroethene	95		10	µg/L		20 09/30/2010 16:42	54454
trans-1,2-Dichloroethene	ND		10	µg/L		20 09/30/2010 16:42	54454
Methyl tert-butyl ether	ND		10	µg/L		20 09/30/2010 16:42	54454
1,1-Dichloroethane	290		10	µg/L		20 09/30/2010 16:42	54454
cis-1,2-Dichloroethene	19		10	µg/L		20 09/30/2010 16:42	54454
1,1,1-Trichloroethane	750		10	µg/L		20 09/30/2010 16:42	54454
1,2-Dichloroethane	ND		10	µg/L		20 09/30/2010 16:42	54454
Benzene	ND		10	µg/L		20 09/30/2010 16:42	54454
Trichloroethene	440		10	µg/L		20 09/30/2010 16:42	54454
Toluene	ND		10	µg/L		20 09/30/2010 16:42	54454
1,1,2-Trichloroethane	ND		10	µg/L		20 09/30/2010 16:42	54454
Tetrachloroethene	ND		10	µg/L		20 09/30/2010 16:42	54454
Chlorobenzene	ND		10	µg/L		20 09/30/2010 16:42	54454
Ethylbenzene	ND		10	µg/L		20 09/30/2010 16:42	54454
m,p-Xylene	ND		10	µg/L		20 09/30/2010 16:42	54454
o-Xylene	ND		10	µg/L		20 09/30/2010 16:42	54454
Surrogate: Dibromofluoromethane	117		88-124	%REC		20 09/30/2010 16:42	54454
Surrogate: 1,2-Dichloroethane-d4	111		79-115	%REC		20 09/30/2010 16:42	54454
Surrogate: Toluene-d8	98.2		80-114	%REC		20 09/30/2010 16:42	54454
Surrogate: Bromofluorobenzene	106		60-123	%REC		20 09/30/2010 16:42	54454

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

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

Mitkem Laboratories

Date: 05-Oct-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-1

Lab ID: J1859-03

Project: NOW Corp. Site

Collection Date: 09/24/10 10:35

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		1.0	µg/L		2 09/30/2010 19:47	54454
Chloroethane	ND		1.0	µg/L		2 09/30/2010 19:47	54454
1,1-Dichloroethene	13		1.0	µg/L		2 09/30/2010 19:47	54454
trans-1,2-Dichloroethene	ND		1.0	µg/L		2 09/30/2010 19:47	54454
Methyl tert-butyl ether	ND		1.0	µg/L		2 09/30/2010 19:47	54454
1,1-Dichloroethane	59		1.0	µg/L		2 09/30/2010 19:47	54454
cis-1,2-Dichloroethene	3.3		1.0	µg/L		2 09/30/2010 19:47	54454
1,1,1-Trichloroethane	0.98	J	1.0	µg/L		2 09/30/2010 19:47	54454
1,2-Dichloroethane	ND		1.0	µg/L		2 09/30/2010 19:47	54454
Benzene	ND		1.0	µg/L		2 09/30/2010 19:47	54454
Trichloroethene	48		1.0	µg/L		2 09/30/2010 19:47	54454
Toluene	ND		1.0	µg/L		2 09/30/2010 19:47	54454
1,1,2-Trichloroethane	ND		1.0	µg/L		2 09/30/2010 19:47	54454
Tetrachloroethene	ND		1.0	µg/L		2 09/30/2010 19:47	54454
Chlorobenzene	ND		1.0	µg/L		2 09/30/2010 19:47	54454
Ethylbenzene	ND		1.0	µg/L		2 09/30/2010 19:47	54454
m,p-Xylene	ND		1.0	µg/L		2 09/30/2010 19:47	54454
o-Xylene	ND		1.0	µg/L		2 09/30/2010 19:47	54454
Surrogate: Dibromofluoromethane	118		88-124	%REC		2 09/30/2010 19:47	54454
Surrogate: 1,2-Dichloroethane-d4	113		79-115	%REC		2 09/30/2010 19:47	54454
Surrogate: Toluene-d8	103		80-114	%REC		2 09/30/2010 19:47	54454
Surrogate: Bromofluorobenzene	111		60-123	%REC		2 09/30/2010 19:47	54454

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

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

Mitkem Laboratories

Date: 05-Oct-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-2A

Lab ID: J1859-04

Project: NOW Corp. Site

Collection Date: 09/24/10 10:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		20	µg/L	40	09/30/2010 17:35	54454
Chloroethane	ND		20	µg/L	40	09/30/2010 17:35	54454
1,1-Dichloroethene	130		20	µg/L	40	09/30/2010 17:35	54454
trans-1,2-Dichloroethene	ND		20	µg/L	40	09/30/2010 17:35	54454
Methyl tert-butyl ether	ND		20	µg/L	40	09/30/2010 17:35	54454
1,1-Dichloroethane	420		20	µg/L	40	09/30/2010 17:35	54454
cis-1,2-Dichloroethene	29		20	µg/L	40	09/30/2010 17:35	54454
1,1,1-Trichloroethane	1200		20	µg/L	40	09/30/2010 17:35	54454
1,2-Dichloroethane	ND		20	µg/L	40	09/30/2010 17:35	54454
Benzene	ND		20	µg/L	40	09/30/2010 17:35	54454
Trichloroethene	660		20	µg/L	40	09/30/2010 17:35	54454
Toluene	ND		20	µg/L	40	09/30/2010 17:35	54454
1,1,2-Trichloroethane	ND		20	µg/L	40	09/30/2010 17:35	54454
Tetrachloroethene	ND		20	µg/L	40	09/30/2010 17:35	54454
Chlorobenzene	ND		20	µg/L	40	09/30/2010 17:35	54454
Ethylbenzene	ND		20	µg/L	40	09/30/2010 17:35	54454
m,p-Xylene	ND		20	µg/L	40	09/30/2010 17:35	54454
o-Xylene	ND		20	µg/L	40	09/30/2010 17:35	54454
Surrogate: Dibromofluoromethane	114		88-124	%REC	40	09/30/2010 17:35	54454
Surrogate: 1,2-Dichloroethane-d4	115	S	79-115	%REC	40	09/30/2010 17:35	54454
Surrogate: Toluene-d8	101		80-114	%REC	40	09/30/2010 17:35	54454
Surrogate: Bromofluorobenzene	105		60-123	%REC	40	09/30/2010 17:35	54454

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

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

Mitkem Laboratories

Date: 05-Oct-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-3

Lab ID: J1859-05

Project: NOW Corp. Site

Collection Date: 09/24/10 10:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		0.50	µg/L		109/30/2010 15:22	54454
Chloroethane	ND		0.50	µg/L		109/30/2010 15:22	54454
1,1-Dichloroethene	4.1		0.50	µg/L		109/30/2010 15:22	54454
trans-1,2-Dichloroethene	ND		0.50	µg/L		109/30/2010 15:22	54454
Methyl tert-butyl ether	ND		0.50	µg/L		109/30/2010 15:22	54454
1,1-Dichloroethane	33		0.50	µg/L		109/30/2010 15:22	54454
cis-1,2-Dichloroethene	ND		0.50	µg/L		109/30/2010 15:22	54454
1,1,1-Trichloroethane	22		0.50	µg/L		109/30/2010 15:22	54454
1,2-Dichloroethane	ND		0.50	µg/L		109/30/2010 15:22	54454
Benzene	ND		0.50	µg/L		109/30/2010 15:22	54454
Trichloroethene	10		0.50	µg/L		109/30/2010 15:22	54454
Toluene	ND		0.50	µg/L		109/30/2010 15:22	54454
1,1,2-Trichloroethane	ND		0.50	µg/L		109/30/2010 15:22	54454
Tetrachloroethene	ND		0.50	µg/L		109/30/2010 15:22	54454
Chlorobenzene	ND		0.50	µg/L		109/30/2010 15:22	54454
Ethylbenzene	ND		0.50	µg/L		109/30/2010 15:22	54454
m,p-Xylene	ND		0.50	µg/L		109/30/2010 15:22	54454
o-Xylene	ND		0.50	µg/L		109/30/2010 15:22	54454
Surrogate: Dibromofluoromethane	114		88-124	%REC		109/30/2010 15:22	54454
Surrogate: 1,2-Dichloroethane-d4	114		79-115	%REC		109/30/2010 15:22	54454
Surrogate: Toluene-d8	101		80-114	%REC		109/30/2010 15:22	54454
Surrogate: Bromofluorobenzene	111		60-123	%REC		109/30/2010 15:22	54454

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

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

Mitkem Laboratories

Date: 05-Oct-10

Client: AECOM Technical Services, Inc.

Client Sample ID: TRIP BLANK

Lab ID: J1859-06

Project: NOW Corp. Site

Collection Date: 09/24/10 0:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260C -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		0.50	µg/L	1	09/30/2010 14:29	54454
Chloroethane	ND		0.50	µg/L	1	09/30/2010 14:29	54454
1,1-Dichloroethene	ND		0.50	µg/L	1	09/30/2010 14:29	54454
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	09/30/2010 14:29	54454
Methyl tert-butyl ether	ND		0.50	µg/L	1	09/30/2010 14:29	54454
1,1-Dichloroethane	ND		0.50	µg/L	1	09/30/2010 14:29	54454
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	09/30/2010 14:29	54454
1,1,1-Trichloroethane	ND		0.50	µg/L	1	09/30/2010 14:29	54454
1,2-Dichloroethane	ND		0.50	µg/L	1	09/30/2010 14:29	54454
Benzene	ND		0.50	µg/L	1	09/30/2010 14:29	54454
Trichloroethene	ND		0.50	µg/L	1	09/30/2010 14:29	54454
Toluene	ND		0.50	µg/L	1	09/30/2010 14:29	54454
1,1,2-Trichloroethane	ND		0.50	µg/L	1	09/30/2010 14:29	54454
Tetrachloroethene	ND		0.50	µg/L	1	09/30/2010 14:29	54454
Chlorobenzene	ND		0.50	µg/L	1	09/30/2010 14:29	54454
Ethylbenzene	ND		0.50	µg/L	1	09/30/2010 14:29	54454
m,p-Xylene	ND		0.50	µg/L	1	09/30/2010 14:29	54454
o-Xylene	ND		0.50	µg/L	1	09/30/2010 14:29	54454
Surrogate: Dibromofluoromethane	115		88-124	%REC	1	09/30/2010 14:29	54454
Surrogate: 1,2-Dichloroethane-d4	111		79-115	%REC	1	09/30/2010 14:29	54454
Surrogate: Toluene-d8	88.7		80-114	%REC	1	09/30/2010 14:29	54454
Surrogate: Bromofluorobenzene	104		60-123	%REC	1	09/30/2010 14:29	54454

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

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

0008

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: J1859

SW8260_25_W

Project: NOW Corp. Site

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

Sample ID: MB-54454	SampType: MBLK	TestCode: SW8260_25_W	Prep Date: 09/30/10 10:47	Run ID: V2_100930B	
Client ID: MB-54454	Batch ID: 54454	Units: µg/L	Analysis Date: 09/30/10 12:55	SeqNo: 1382460	
Analyte	Result	MDL	SPK value	SPK Ref Val	%RPD RPDLimit Qual
Vinyl chloride	ND	0.15	0.50		
Chloroethane	ND	0.24	0.50		
1,1-Dichloroethene	ND	0.19	0.50		
trans-1,2-Dichloroethene	ND	0.14	0.50		
Methyl tert-butyl ether	ND	0.13	0.50		
1,1-Dichloroethane	ND	0.18	0.50		
cis-1,2-Dichloroethene	ND	0.19	0.50		
1,1,1-Trichloroethane	ND	0.11	0.50		
1,2-Dichloroethane	ND	0.16	0.50		
Benzene	ND	0.12	0.50		
Trichloroethene	ND	0.13	0.50		
Toluene	ND	0.14	0.50		
1,1,2-Trichloroethane	ND	0.20	0.50		
Tetrachloroethene	ND	0.17	0.50		
Chlorobenzene	ND	0.13	0.50		
Ethylbenzene	ND	0.13	0.50		
m,p-Xylene	ND	0.22	0.50		
o-Xylene	ND	0.17	0.50		
Surrogate:	11.18		10.00	0	112 88 124 0
Dibromofluoromethane					
Surrogate: 1,2-	10.47		10.00	0	105 79 115 0
Dichloroethane-d4					
Surrogate: Toluene-d8	10.02		10.00	0	100 80 114 0
Surrogate:	10.54		10.00	0	105 60 123 0
Bromofluorobenzene					

Qualifiers: ND - Not Detected at the Reporting Limit S - Recovery outside accepted recovery limits MDL - Method Detection Limit

m10.08.12.A J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits RL - Reporting Limit

B - Analyte detected in the associated Method Blank

CLIENT: AECOM Technical Services, Inc.

Work Order: J1859

Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: LCS-54454	SampType: LCS	TestCode: SW8260_25_W	Prep Date: 09/30/10 10:47	Run ID: V2_100930B								
Client ID: LCS-54454	Batch ID: 54454	Units: µg/L	Analysis Date: 09/30/10 11:34	SeqNo: 1382458								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	11.73	0.15	0.50	10.00	0	117	77	120	0			
Chloroethane	8.561	0.24	0.50	10.00	0	85.6	75	135	0			
1,1-Dichloroethene	12.28	0.19	0.50	10.00	0	123	81	125	0			
trans-1,2-Dichloroethene	11.42	0.14	0.50	10.00	0	114	60	137	0			
Methyl tert-butyl ether	12.70	0.13	0.50	10.00	0	127	61	134	0			
1,1-Dichloroethane	11.10	0.18	0.50	10.00	0	111	82	120	0			
cis-1,2-Dichloroethene	11.36	0.19	0.50	10.00	0	114	84	116	0			
1,1,1-Trichloroethane	10.59	0.11	0.50	10.00	0	106	80	124	0			
1,2-Dichloroethane	11.53	0.16	0.50	10.00	0	115	86	117	0			
Benzene	11.11	0.12	0.50	10.00	0	111	81	121	0			
Trichloroethene	10.84	0.13	0.50	10.00	0	108	74	123	0			
Toluene	11.02	0.14	0.50	10.00	0	110	88	117	0			
1,1,2-Trichloroethane	9.853	0.20	0.50	10.00	0	98.5	83	121	0			
Tetrachloroethene	11.01	0.17	0.50	10.00	0	110	74	115	0			
Chlorobenzene	11.13	0.13	0.50	10.00	0	111	83	112	0			
Ethylbenzene	10.98	0.13	0.50	10.00	0	110	87	110	0			
m,p-Xylene	22.88	0.22	0.50	20.00	0	114	87	114	0			S
o-Xylene	11.21	0.17	0.50	10.00	0	112	84	114	0			
Surrogate:	10.96		0.50	10.00	0	110	88	124	0			
Dibromofluoromethane												
Surrogate: 1,2-	10.28		0.50	10.00	0	103	79	115	0			
Dichloroethane-d4												
Surrogate: Toluene-d8	10.00		0.50	10.00	0	100	80	114	0			
Surrogate:	10.85		0.50	10.00	0	109	60	123	0			
Bromofluorobenzene												

0010

Qualifiers: ND - Not Detected at the Reporting Limit S - Recovery outside accepted recovery limits MDL - Method Detection Limit

m10.08.12 A

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

RL - Reporting Limit

B - Analyte detected in the associated Method Blank

CLIENT: AECOM Technical Services, Inc.

ANALYTICAL QC SUMMARY REPORT

Work Order: J1859

SW8260_25_W

Project: NOW Corp. Site

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

Sample ID: LCSD-54454		SampType: LCSD	TestCode: SW8260_25_W		Prep Date: 09/30/10 10:47		Run ID: V2_100930B					
Client ID: LCSD-54454		Batch ID: 54454	Units: µg/L		Analysis Date: 09/30/10 12:02		SeqNo: 1382459					
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	10.65	0.15	0.50	10.00	0	106	77	120	11.73	9.7	40	
Chloroethane	7.881	0.24	0.50	10.00	0	78.8	75	135	8.561	8.27	40	
1,1-Dichloroethene	10.68	0.19	0.50	10.00	0	107	81	125	12.28	14	40	
trans-1,2-Dichloroethene	10.43	0.14	0.50	10.00	0	104	60	137	11.42	9.09	40	
Methyl tert-butyl ether	11.56	0.13	0.50	10.00	0	116	61	134	12.70	9.4	40	
1,1-Dichloroethane	10.08	0.18	0.50	10.00	0	101	82	120	11.10	9.58	40	
cis-1,2-Dichloroethene	10.63	0.19	0.50	10.00	0	106	84	116	11.36	6.64	40	
1,1,1-Trichloroethane	10.08	0.11	0.50	10.00	0	101	80	124	10.59	4.95	40	
1,2-Dichloroethane	10.86	0.16	0.50	10.00	0	109	86	117	11.53	5.94	40	
Benzene	10.25	0.12	0.50	10.00	0	103	81	121	11.11	7.99	40	
Trichloroethene	10.01	0.13	0.50	10.00	0	100	74	123	10.84	7.92	40	
Toluene	10.37	0.14	0.50	10.00	0	104	88	117	11.02	6.09	40	
1,1,2-Trichloroethane	9.537	0.20	0.50	10.00	0	95.4	83	121	9.853	3.25	40	
Tetrachloroethene	9.778	0.17	0.50	10.00	0	97.8	74	115	11.01	11.8	40	
Chlorobenzene	10.01	0.13	0.50	10.00	0	100	83	112	11.13	10.6	40	
Ethylbenzene	10.08	0.13	0.50	10.00	0	101	87	110	10.98	8.59	40	
m,p-Xylene	20.89	0.22	0.50	20.00	0	104	87	114	22.88	9.09	40	
o-Xylene	10.22	0.17	0.50	10.00	0	102	84	114	11.21	9.32	40	
Surrogate:	10.80		0.50	10.00	0	108	88	124	0			
Dibromofluoromethane												
Surrogate: 1,2-Dichloroethane-d4	10.25		0.50	10.00	0	102	79	115	0			
Surrogate: Toluene-d8	10.09		0.50	10.00	0	101	80	114	0			
Surrogate: Bromofluorobenzene	10.83		0.50	10.00	0	108	60	123	0			

0011

Qualifiers: ND - Not Detected at the Reporting Limit S - Recovery outside accepted recovery limits MDL - Method Detection Limit

m10.08.12.A

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

B - Analyte detected in the associated Method Blank

Mitkem Laboratories

Date: 12-Oct-10

Client: AECOM Technical Services, Inc.
Client Sample ID: EFF 92410
Lab ID: J1859-01

Project: NOW Corp. Site
Collection Date: 09/24/10 10:15

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	10/12/2010 0:00	54657

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

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

Mitkem Laboratories

Date: 12-Oct-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF 92410

Lab ID: J1859-02

Project: NOW Corp. Site

Collection Date: 09/24/10 10:25

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	10/12/2010 0:00	54657

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

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: J1859

E1664

Project: NOW Corp. Site

EPA 1664A -- Oil & Grease, HEM

Sample ID: MB-54657	SampType: MBLK	TestCode: E1664	Prep Date: 10/08/10 14:21	Run ID: MANUAL_101012A
Client ID: MB-54657	Batch ID: 54657	Units: mg/L	Analysis Date: 10/12/10 0:00	SeqNo: 1388908
Analyte	Result	MDL	SPK Ref Val	SPK value
Oil & Grease, Total Recoverable	ND	1.2	%REC LowLimit HighLimit	RPD Ref Val %RPD RPDLimit Qual
		5.0		

Sample ID: LCS-54657	SampType: LCS	TestCode: E1664	Prep Date: 10/08/10 14:21	Run ID: MANUAL_101012A
Client ID: LCS-54657	Batch ID: 54657	Units: mg/L	Analysis Date: 10/12/10 0:00	SeqNo: 1388906
Analyte	Result	MDL	SPK Ref Val	SPK value
Oil & Grease, Total Recoverable	34.50	1.2	0	40.00
		5.0	86.3	78
			0	114
			RPD Ref Val	%RPD RPDLimit Qual
				0

Sample ID: LCSD-54657	SampType: LCSD	TestCode: E1664	Prep Date: 10/08/10 14:21	Run ID: MANUAL_101012A
Client ID: LCSD-54657	Batch ID: 54657	Units: mg/L	Analysis Date: 10/12/10 0:00	SeqNo: 1388907
Analyte	Result	MDL	SPK Ref Val	SPK value
Oil & Grease, Total Recoverable	36.20	1.2	0	40.00
		5.0	90.5	78
			0	114
			RPD Ref Val	%RPD RPDLimit Qual
				34.50
				4.81
				18

0014

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

m10.08.12.A J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits RL - Reporting Limit

Mitkem Laboratories**Date:** 05-Oct-10**Client:** AECOM Technical Services, Inc.**Client Sample ID:** EFF 92410**Lab ID:** J1859-01**Project:** NOW Corp. Site**Collection Date:** 09/24/10 10:15

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 6010C -- Metals by ICP				SW6010_W
Aluminum	ND	200 µg/L	1 09/30/2010 18:06	54418
Arsenic	ND	20 µg/L	1 09/30/2010 18:06	54418
Barium	99 J	200 µg/L	1 09/30/2010 18:06	54418
Chromium	ND	20 µg/L	1 09/30/2010 18:06	54418
Copper	ND	25 µg/L	1 09/30/2010 18:06	54418
Iron	ND	200 µg/L	1 09/30/2010 18:06	54418
Manganese	51	50 µg/L	1 09/30/2010 18:06	54418
Nickel	2.3 J	50 µg/L	1 09/30/2010 18:06	54418
Zinc	9.7 J	50 µg/L	1 09/30/2010 18:06	54418
SW846 7470A -- Mercury by FIA				SW7470
Mercury	ND	0.20 µg/L	1 10/04/2010 17:42	54520

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

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

Mitkem Laboratories

Date: 05-Oct-10

Client: AECOM Technical Services, Inc.

Client Sample ID: INF 92410

Lab ID: J1859-02

Project: NOW Corp. Site

Collection Date: 09/24/10 10:25

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SW846 6010C -- Metals by ICP				SW6010_W
Aluminum	ND	200 µg/L	1 09/30/2010 18:09	54418
Arsenic	ND	20 µg/L	1 09/30/2010 18:09	54418
Barium	110 J	200 µg/L	1 09/30/2010 18:09	54418
Chromium	ND	20 µg/L	1 09/30/2010 18:09	54418
Copper	ND	25 µg/L	1 09/30/2010 18:09	54418
Iron	83 J	200 µg/L	1 09/30/2010 18:09	54418
Manganese	260	50 µg/L	1 09/30/2010 18:09	54418
Nickel	2.7 J	50 µg/L	1 09/30/2010 18:09	54418
Zinc	11 J	50 µg/L	1 09/30/2010 18:09	54418
SW846 7470A -- Mercury by FIA				SW7470
Mercury	ND	0.20 µg/L	1 10/04/2010 17:46	54520

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

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: J1859

SW6010_W

Project: NOW Corp. Site

SW846 6010C -- Metals by ICP

Sample ID: MB-54418	SampType: MBLK	TestCode: SW6010_W	Prep Date: 09/29/10 11:20	Run ID: OPTIMA3_101001A								
Client ID: MB-54418	Batch ID: 54418	Units: µg/L	Analysis Date: 09/30/10 17:56	SeqNo: 1382272								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	66	200									
Arsenic	ND	4.3	20									
Barium	ND	1.1	200									
Chromium	ND	0.64	20									
Copper	ND	3.6	30									
Iron	ND	31	200									
Manganese	ND	10	50									
Nickel	ND	0.85	50									
Zinc	ND	4.9	50									

Sample ID: LCS-54418	SampType: LCS	TestCode: SW6010_W	Prep Date: 09/29/10 11:20	Run ID: OPTIMA3_101001A								
Client ID: LCS-54418	Batch ID: 54418	Units: µg/L	Analysis Date: 09/30/10 18:00	SeqNo: 1382273								
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9356	66	200	9100	0	103	80	120	0			
Arsenic	498.2	4.3	20	455.0	0	110	80	120	0			
Barium	9660	1.1	200	9100	0	106	80	120	0			
Chromium	967.5	0.64	20	910.0	0	106	80	120	0			
Copper	1174	3.6	30	1130	0	104	80	120	0			
Iron	4898	31	200	4550	0	108	80	120	0			
Manganese	2388	10	50	2270	0	105	80	120	0			
Nickel	2430	0.85	50	2270	0	107	80	120	0			
Zinc	2421	4.9	50	2270	0	107	80	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Recovery outside accepted recovery limits MDL - Method Detection Limit B - Analyte detected in the associated Method Blank
 ml0.08.12.A J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: J1859

SW6010_W

Project: NOW Corp. Site

SW846 6010C -- Metals by ICP

Sample ID: LCSD-54418	SampType: LCSD	TestCode: SW6010_W			Prep Date: 09/29/10 11:20	Run ID: OPTIMA3_101001A						
Client ID: LCSD-54418	Batch ID: 54418	Units: µg/L			Analysis Date: 09/30/10 18:03	SeqNo: 1382274						
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9335	66	200	9100	0	103	80	120	9356	0.224	20	
Arsenic	492.3	4.3	20	455.0	0	108	80	120	498.2	1.2	20	
Barium	9661	1.1	200	9100	0	106	80	120	9660	0.0152	20	
Chromium	963.1	0.64	20	910.0	0	106	80	120	967.5	0.462	20	
Copper	1179	3.6	30	1130	0	104	80	120	1174	0.409	20	
Iron	4907	31	200	4550	0	108	80	120	4898	0.194	20	
Manganese	2394	10	50	2270	0	105	80	120	2388	0.255	20	
Nickel	2425	0.85	50	2270	0	107	80	120	2430	0.231	20	
Zinc	2411	4.9	50	2270	0	106	80	120	2421	0.409	20	

0018

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Recovery outside accepted recovery limits	MDL - Method Detection Limit	B - Analyte detected in the associated Method Blank
m10.08.12.A	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	RL - Reporting Limit	

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: J1859

Project: NOW Corp. Site

SW7470

SW846 7470A -- Mercury by FIA

Sample ID: MB-54520	SampType: MBLK	TestCode: SW7470	Prep Date: 10/04/10 10:45	Run ID: FIMS1_101004A	
Client ID: MB-54520	Batch ID: 54520	Units: µg/L	Analysis Date: 10/04/10 17:16	SeqNo: 1383900	
Analyte	Result	MDL	SPK value	SPK Ref Val	RPD Ref Val
Mercury	0.05983	0.028	0.20	0	0
Sample ID: LCS-54520	SampType: LCS	TestCode: SW7470	Prep Date: 10/04/10 10:45	Run ID: FIMS1_101004A	
Client ID: LCS-54520	Batch ID: 54520	Units: µg/L	Analysis Date: 10/04/10 17:18	SeqNo: 1383901	
Analyte	Result	MDL	SPK value	SPK Ref Val	RPD Ref Val
Mercury	4.687	0.028	0.20	0	0
Sample ID: LCSD-54520	SampType: LCSD	TestCode: SW7470	Prep Date: 10/04/10 10:45	Run ID: FIMS1_101004A	
Client ID: LCSD-54520	Batch ID: 54520	Units: µg/L	Analysis Date: 10/04/10 17:19	SeqNo: 1383902	
Analyte	Result	MDL	SPK value	SPK Ref Val	RPD Ref Val
Mercury	4.609	0.028	0.20	0	0

Qualifiers: NID - Not Detected at the Reporting Limit S - Recovery outside accepted recovery limits MDL - Method Detection Limit B - Analyte detected in the associated Method Blank
 ml0.08.12.A J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits RL - Reporting Limit

Mitkem Laboratories

Date: 05-Oct-10

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF 92410

Lab ID: J1859-01

Project: NOW Corp. Site

Collection Date: 09/24/10 10:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							SM2540_TDS
Total Dissolved Solids	340		10	mg/L	1	09/29/2010 22:54	54430
SM 2540D -- TOTAL SUSPENDED SOLIDS							SM2540_TSS
Total Suspended Solids	ND		10	mg/L	1	09/29/2010 22:54	54431
SW846 9012B -- Total Cyanide							SW9012_W
Cyanide	ND		10	ug/L	1	09/30/2010 16:08	54432

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

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

Mitkem Laboratories**Date:** 05-Oct-10**Client:** AECOM Technical Services, Inc.**Client Sample ID:** INF 92410**Lab ID:** J1859-02**Project:** NOW Corp. Site**Collection Date:** 09/24/10 10:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							SM2540_TDS
Total Dissolved Solids	400		10	mg/L	1	09/30/2010 2:06	54430
SM 2540D -- TOTAL SUSPENDED SOLIDS							SM2540_TSS
Total Suspended Solids	18		10	mg/L	1	09/30/2010 2:06	54431
SW846 9012B -- Total Cyanide							SW9012_W
Cyanide	ND		10	ug/L	1	09/30/2010 16:11	54432

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

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: J1859

SM2540_TDS

Project: NOW Corp. Site

SM 2540C -- TOTAL DISSOLVED SOLIDS

Sample ID: MB-54430	SampType: MBLK	TestCode: SM2540_TDS	Prep Date: 09/29/10 16:30	Run ID: MANUAL_100929B	
Client ID: MB-54430	Batch ID: 54430	Units: mg/L	Analysis Date: 09/29/10 16:30	SeqNo: 1382373	
Analyte	Result	MDL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Dissolved Solids	ND	10			
Sample ID: LCS-54430	SampType: LCS	TestCode: SM2540_TDS	Prep Date: 09/29/10 16:30	Run ID: MANUAL_100929B	
Client ID: LCS-54430	Batch ID: 54430	Units: mg/L	Analysis Date: 09/29/10 19:42	SeqNo: 1382374	
Analyte	Result	MDL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Dissolved Solids	570.0	10	527.0	0	108 80 120 0
Sample ID: J1859-02BDUP	SampType: DUP	TestCode: SM2540_TDS	Prep Date: 09/29/10 16:30	Run ID: MANUAL_100929B	
Client ID: INF 92410	Batch ID: 54430	Units: mg/L	Analysis Date: 09/30/10 5:18	SeqNo: 1382377	
Analyte	Result	MDL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Dissolved Solids	413.0	10	0	0	0 0 0 404.0 2.2 20

0022

Qualifiers: ND - Not Detected at the Reporting Limit S - Recovery outside accepted recovery limits MDL - Method Detection Limit B - Analyte detected in the associated Method Blank
 ml0.08.12.A J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: J1859

SM2540_TSS

Project: NOW Corp. Site

SM 2540D -- TOTAL SUSPENDED SOLIDS

Sample ID: MB-54431	SampType: MBLK	TestCode: SM2540_TSS	Prep Date: 09/29/10 16:30	Run ID: MANUAL_100929C
Client ID: MB-54431	Batch ID: 54431	Units: mg/L	Analysis Date: 09/29/10 16:30	SeqNo: 1382383
Analyte	Result	MDL	SPK value	SPK Ref Val
	ND	10	RL	RPD Ref Val
Total Suspended Solids		10		%RPD RPDLimit
				Qual

Sample ID: LCS-54431	SampType: LCS	TestCode: SM2540_TSS	Prep Date: 09/29/10 16:30	Run ID: MANUAL_100929C
Client ID: LCS-54431	Batch ID: 54431	Units: mg/L	Analysis Date: 09/29/10 19:42	SeqNo: 1382384
Analyte	Result	MDL	SPK value	SPK Ref Val
	54.00	10	50.40	RPD Ref Val
Total Suspended Solids		10	107	%RPD RPDLimit
			0	Qual
			80	
			120	

Sample ID: J1859-02BDUP	SampType: DUP	TestCode: SM2540_TSS	Prep Date: 09/29/10 16:30	Run ID: MANUAL_100929C
Client ID: INF 92410	Batch ID: 54431	Units: mg/L	Analysis Date: 09/30/10 5:18	SeqNo: 1382387
Analyte	Result	MDL	SPK value	SPK Ref Val
	17.00	10	0	RPD Ref Val
Total Suspended Solids		10	0	%RPD RPDLimit
			0	Qual
			0	
			18.00	5.71
			20	

0029

Qualifiers: ND - Not Detected at the Reporting Limit S - Recovery outside accepted recovery limits MDL - Method Detection Limit B - Analyte detected in the associated Method Blank
m10.08.12.A J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits RL - Reporting Limit

CLIENT: AECOM Technical Services, Inc.
Work Order: J1859
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW9012_W
SW846 9012B -- Total Cyanide

Sample ID: MB-54432	SampType: MBLK	TestCode: SW9012_W	Prep Date: 09/29/10 14:30	Run ID: LACHAT1_100930A
Client ID: MB-54432	Batch ID: 54432	Units: ug/L	Analysis Date: 09/30/10 15:58	SeqNo: 1382499
Analyte	Result	MDL	SPK value	SPK Ref Val
Cyanide	ND	7.5	RL	RPD Ref Val
				%RPD RPDLimit
				Qual

Sample ID: LCS-54432	SampType: LCS	TestCode: SW9012_W	Prep Date: 09/29/10 14:30	Run ID: LACHAT1_100930A
Client ID: LCS-54432	Batch ID: 54432	Units: ug/L	Analysis Date: 09/30/10 16:00	SeqNo: 1382500
Analyte	Result	MDL	SPK value	SPK Ref Val
Cyanide	120.1	7.5	RL	RPD Ref Val
				%RPD RPDLimit
				Qual

Sample ID: J1859-02DDUP	SampType: DUP	TestCode: SW9012_W	Prep Date: 09/29/10 14:30	Run ID: LACHAT1_100930A
Client ID: INF 92410	Batch ID: 54432	Units: ug/L	Analysis Date: 09/30/10 16:13	SeqNo: 1382505
Analyte	Result	MDL	SPK value	SPK Ref Val
Cyanide	ND	2.5	RL	RPD Ref Val
				%RPD RPDLimit
				Qual

Sample ID: J1859-02DMS	SampType: MS	TestCode: SW9012_W	Prep Date: 09/29/10 14:30	Run ID: LACHAT1_100930A
Client ID: INF 92410	Batch ID: 54432	Units: ug/L	Analysis Date: 09/30/10 16:16	SeqNo: 1382506
Analyte	Result	MDL	SPK value	SPK Ref Val
Cyanide	118.1	2.5	RL	RPD Ref Val
				%RPD RPDLimit
				Qual

0024

Qualifiers: ND - Not Detected at the Reporting Limit S - Recovery outside accepted recovery limits MDL - Method Detection Limit B - Analyte detected in the associated Method Blank
ml0.08.12.A J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits RL - Reporting Limit

WorkOrder: J1859**10/13/2010 10:32****Mitkem Laboratories**

Client ID: EARTH_NY

Project: NOW Corp. Site

WO Name: NOW Corp. Site

Location: NOW_CORP,

Comments: N/A

Case:

SDG:

PO: 94017.02

HC Due: 10/13/10

Fax Due:

Fax Report: ☐

EDD:

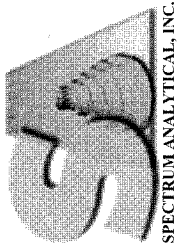
Report Level: LEVEL 2

Special Program:

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J1859-01A	EFF 92410	09/24/2010 10:15	09/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1859-01B	EFF 92410	09/24/2010 10:15	09/25/2010	Aqueous	SM2540_TDS	/					B2
J1859-01B	EFF 92410	09/24/2010 10:15	09/25/2010	Aqueous	SM2540_TSS	/					B2
J1859-01C	EFF 92410	09/24/2010 10:15	09/25/2010	Aqueous	SW6010_W	/ See SEL list				Y	M6
J1859-01C	EFF 92410	09/24/2010 10:15	09/25/2010	Aqueous	SW7470	/ See SEL list					M6
J1859-01D	EFF 92410	09/24/2010 10:15	09/25/2010	Aqueous	SW9012_W	/				Y	B2
J1859-01E	EFF 92410	09/24/2010 10:15	09/25/2010	Aqueous	E1664	/					B2
J1859-02A	INF 92410	09/24/2010 10:25	09/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1859-02B	INF 92410	09/24/2010 10:25	09/25/2010	Aqueous	SM2540_TDS	/					B2
J1859-02B	INF 92410	09/24/2010 10:25	09/25/2010	Aqueous	SM2540_TSS	/					B2
J1859-02C	INF 92410	09/24/2010 10:25	09/25/2010	Aqueous	SW6010_W	/ See SEL list				Y	M6
J1859-02C	INF 92410	09/24/2010 10:25	09/25/2010	Aqueous	SW7470	/ See SEL list					M6
J1859-02D	INF 92410	09/24/2010 10:25	09/25/2010	Aqueous	SW9012_W	/				Y	B2
J1859-02E	INF 92410	09/24/2010 10:25	09/25/2010	Aqueous	E1664	/					B2
J1859-03A	TW-1	09/24/2010 10:35	09/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1859-04A	TW-2A	09/24/2010 10:40	09/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1859-05A	TW-3	09/24/2010 10:40	09/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
J1859-06A	TRIP BLANK	09/24/2010 00:00	09/25/2010	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA

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

HT = Test logged in but has been placed on hold



SPECTRUM ANALYTICAL, INC.
Featuring
HAMBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

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

Report To: Steve Choiniere
AE COM
40 British American Blvd
Latham NY 12110
Telephone #: (518) 951 2200
Project Mgr. Steve Choiniere

Invoice To: Steve Choiniere
40 British American Blvd
Latham NY 12110
AE COM
P.O. No.: _____ RQN: _____

Project No.: 60135676.02
Site Name: New Corp
Location: Statensburg State: NY
Sampler(s): Steve Gray and Mark Howard

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
8=NaHSO₄ 9= None 10= _____ 11= _____

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

List preservative code below:

2 4 9 2 5

QA/QC Reporting Notes:
(check as needed)

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

G=Grab C=Composite

Matrix

Type

Time:

Date:

Sample Id:

Lab Id:

J1859					
01	EFF 92410	9/24/10	1015	G	GW
02	INF 92410		1025		
03	TW-1		1035		
04	TW-2A		1040		
05	TW-3		1045		
06	Tip Blank				

Containers:

of VOA Vials

of Amber Glass

of Clear Glass

of Plastic

Analyses:

Metals *

8260

TD5/TSS

Oil & Gas

Cyanide

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

State specific reporting standards:

Relinquished by:

Received by:

Date:

Time:

Temp °C

☐ EDD Format

☐ E-mail to _____

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

MITKEM LABORATORIES

Sample Condition Form

Page 1 of 1

Received By: <u>CAD</u>		Reviewed By: <u>PN</u>		Date: <u>9/27/10</u>		Mitkem Work Order #: <u>J1859</u>		
Client Project: <u>New Corp</u>				Client: <u>Earthdy</u>				
				Soil Headspace or Air Bubble ≥ 1/4"				
		Lab Sample ID		Preservation (pH)				VOA Matrix
				HNO ₃	H ₂ SO ₄	HCl	NaOH	H ₃ PO ₄
1) Cooler Sealed	<u>Yes</u> / No	<u>J1859</u>	<u>02</u>	<u>52</u>				<u>H</u>
2) Custody Seal(s)	<u>Present</u> / Absent <u>Coolers</u> / Bottles <u>Intact</u> / Broken	<u>J1859</u>	<u>03</u>	<u>52</u>				<u>H</u>
3) Custody Seal Number(s)	<u>NA</u>	<u>J1859</u>	<u>04</u>					<u>H</u>
4) Chain-of-Custody	<u>Present</u> / Absent	<u>J1859</u>	<u>05</u>					<u>H</u>
5) Cooler Temperature	<u>5°C</u>	<u>J1859</u>	<u>06</u>					<u>H</u>
IR Temp Gun ID	<u>MT-1</u>							
Coolant Condition	<u>ICC</u>							
6) Airbill(s)	<u>Present</u> / Absent							
Airbill Number(s)	<u>FedEx</u> <u>869079238615</u>							
7) Samples Bottles	<u>Intact</u> / Broken / Leaking							
8) Date Received	<u>9/25/10</u>							
9) Time Received	<u>8:50</u>							
Preservative Name/Lot No.:								

VOA Matrix Key:

US = Unpreserved Soil A = Air

UA = Unpreserved Aqueous H = HCl

M = MeOH E = Encore

N = NaHSO₄ F = Freeze

See Sample Condition Notification/Corrective Action Form yes / noRad OK yes / no

0027

Last Page of Data Report