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SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 222279

Prepared For:

SECOR
446 Eisenhower Lane North
Lombard, IL 60148

Project: SE Rockford Area 9/10

Attention: Dave Curnock

Date: 11/26/2003

Signature

Name: Richard C. Wright

Title: Project Manager

E-Mail: rwright@stl-inc.com

11-26-03
Date

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2417 Bond Street
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This Report Contains (29) Pages

DEC 01 2003

Severn Trent Laboratories Chicago
GC/MS Case Narrative

Secor
SE Rockford
Job Number: 222279
VOA DATA

1. The samples were properly prepared and analyses within the recommended hold time from the date of collection.

2. All Method Blanks had all target compounds below reporting limits.

3. The LCS (Laboratory Control Samples) had all controlled spike recoveries within the in-house generated QC limits.

4. Matrix Spike/Matrix Spike Duplicate analyses were not performed on this sample set.

5. The volatile samples had all surrogate recoveries within the in-house generated QC limits.

6. The water samples were prepared using Method 5030. The soil samples were prepared using Method 5035 low level. All samples were analyzed following SW846 Method 8260B and 8000B. All calibration criteria are met per method or SOP (for minimum R values for certain compounds). The low point in the initial calibration verifies the base reporting limits. The target compounds were quantitated using the initial calibration.

7. The samples had all internal standard areas and retention times within the SOP acceptance limits as compared to the corresponding calibration verification standard.

8. The water sample was analyzed using a 25mL purge volume. The soil samples were using the low-level soil procedure. The soil results and reporting limits were adjusted for sample weights and the analytical procedure on a dry weight basis.

John Nagel
GC/MS Dept.

11 26 03
Date

STL Chicago
JP-4 Case Narrative

Secor
SE Rockford Area 9/10
Job #: 222279-1, 2, and 3
JP-4

1. These samples were extracted based on SW846 method 3550. The extracts were analyzed for JP-4 Range Organics based on a modified SW846 method 8015B. An HP5890 gas chromatograph equipped with a flame ionization detector and a Xti-5 column was used for the analysis.

2. All required hold times were met for the extraction and for the analysis.

3. The method blank was below the reporting limit for JP-4.

4. Statistical limits for surrogate recoveries derived from DRO analyses were applied to the JP-4 analysis and are advisory until enough data points can be collected for statistical control limits.

5. The surrogate compounds used for this analysis were 2-Fluorobiphenyl and o-Terphenyl. All surrogate recoveries were within statistical control limits except o-Terphenyl in the sample (233%), matrix spike (133%), and matrix spike duplicate (144%), which were above control limits and flagged "I". The biased high recoveries could be attributed to a hydrocarbon in the sample that is not JP4.

6. The blank spike recovery for JP4 was within statistical control limits. A solution of JP-4 was used for spiking.

7. A matrix spike and a matrix spike duplicate were performed on sample 222279-1 [RD-SB-S10(10-11)-01]. All matrix spike duplicate and matrix spike duplicate recoveries and RPDs were within non-statistical control limits of 50%-150%.

8. The initial calibration for this analysis consisted of a six-point curve of JP-4. The average calibration factor from the JP-4 curve was used to quantify the JP-4 results. An alkane standard ranging from C8 through C36 was used for qualitative purposes to determine the retention time range to be used for the JP-4. The total peak area from C8-C12 was used to quantify JP-4 results.

9. All initial and continuing standard calibrations associated with these samples were in control.

10. JP4 was not detected in these samples.

Patti Gibson

Patti Gibson
Organics Section Manager

11/21/03
Date

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SAMPLE INFORMATION

Date: 11/26/2003

Job Number.: 222279
Customer...: SECOR
Attn.....: Dave Curnock

Project Number.....: 20003080
Customer Project ID....: SE ROCKFORD
Project Description....: SE Rockford Area 9/10

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
222279-1	RD-SB-S10(10-11)-01	Soil	11/12/2003	11:00	11/13/2003	12:30
222279-2	RD-SB-S10(22-23)-01	Soil	11/12/2003	11:25	11/13/2003	12:30
222279-3	RD-SB-S9(17.5-18.5)-01	Soil	11/12/2003	11:40	11/13/2003	12:30
222279-4	TRIP BLANK	Water	11/12/2003	11:00	11/13/2003	12:30

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LABORATORY TEST RESULTS

Job Number: 222279

Date:11/26/2003

CUSTOMER: SECOR

PROJECT: SE ROCKFORD

ATTN: Dave Curnock

Customer Sample ID: RD-SB-S10(10-11)-01
Date Sampled.....: 11/12/2003
Time Sampled.....: 11:00
Sample Matrix.....: Soil

Laboratory Sample ID: 222279-1
Date Received.....: 11/13/2003
Time Received.....: 12:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	95.2			0.10	0.10	1	%	102133		11/19/03 1950	clb
	% Moisture, Solid	4.8			0.10	0.10	1	%	102133		11/19/03 1950	clb
8015B MDRO	TPH - Diesel Range Organics (DRO)											
	TPH - Jet Fuel (JP4), Solid*	4.3	U		4.3	4.3	1.00000	mg/Kg	102287		11/20/03 1732	mgk
8260B	Volatile Organics											
	Chloromethane, Solid*	0.0044	U		0.00082	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Vinyl chloride, Solid*	0.0044	U		0.00065	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Bromomethane, Solid*	0.0044	U	*	0.0025	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Chloroethane, Solid*	0.0044	U		0.0014	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	1,1-Dichloroethene, Solid*	0.0044	U		0.00088	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Carbon disulfide, Solid*	0.0044	U		0.0018	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Acetone, Solid*	0.032			0.0036	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Methylene chloride, Solid*	0.0044	U		0.0016	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	1,1-Dichloroethane, Solid*	0.0044	U		0.00077	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	2-Butanone (MEK), Solid*	0.0091			0.0037	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Chloroform, Solid*	0.0044	U		0.00054	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	1,1,1-Trichloroethane, Solid*	0.0044	U		0.00053	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Carbon tetrachloride, Solid*	0.0044	U		0.00073	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	1,2-Dichloroethene (total), Solid*	0.0044	U		0.0017	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Benzene, Solid*	0.0044	U		0.00058	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	1,2-Dichloroethane, Solid*	0.0044	U		0.00051	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Trichloroethene, Solid*	0.0044	U		0.00052	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	1,2-Dichloropropane, Solid*	0.0044	U		0.00084	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Bromodichloromethane, Solid*	0.0044	U		0.00060	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	cis-1,3-Dichloropropene, Solid*	0.0044	U		0.00069	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	4-Methyl-2-pentanone (MIBK), Solid*	0.0044	U		0.0026	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 222279

Date: 11/26/2003

CUSTOMER: SECOR

PROJECT: SE ROCKFORD

ATTN: Dave Curnock

Customer Sample ID: RD-SB-S10(10-11)-01
Date Sampled.....: 11/12/2003
Time Sampled.....: 11:00
Sample Matrix.....: Soil

Laboratory Sample ID: 222279-1
Date Received.....: 11/13/2003
Time Received.....: 12:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Toluene, Solid*	0.0076			0.00088	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	trans-1,3-Dichloropropene, Solid*	0.0044	U		0.00074	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	1,1,2-Trichloroethane, Solid*	0.0044	U		0.00062	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Tetrachloroethene, Solid*	0.024			0.00059	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	2-Hexanone, Solid*	0.0044	U		0.0015	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Dibromochloromethane, Solid*	0.0044	U		0.00060	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Chlorobenzene, Solid*	0.0044	U		0.00080	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Ethylbenzene, Solid*	0.0044	U		0.00096	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Styrene, Solid*	0.0044	U		0.00088	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Bromoform, Solid*	0.0044	U	*	0.00080	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	1,1,2,2-Tetrachloroethane, Solid*	0.0044	U		0.00056	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn
	Xylenes (total), Solid*	0.0044	U		0.0025	0.0044	1.00000	mg/Kg	102830		11/18/03 0404	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 222279

Date:11/26/2003

CUSTOMER: SECOR

PROJECT: SE ROCKFORD

ATTN: Dave Curnock

Customer Sample ID: RD-SB-S10(22-23)-01
Date Sampled.....: 11/12/2003
Time Sampled.....: 11:25
Sample Matrix.....: Soil

Laboratory Sample ID: 222279-2
Date Received.....: 11/13/2003
Time Received.....: 12:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	95.1			0.10	0.10	1	%	102133		11/19/03 1950	clb
	% Moisture, Solid	4.9			0.10	0.10	1	%	102133		11/19/03 1950	clb
8015B MDRO	TPH - Diesel Range Organics (DRO)											
	TPH - Jet Fuel (JP4), Solid*	4.4	U		4.4	4.4	1.00000	mg/Kg	102287		11/20/03 2210	mgk
8260B	Volatile Organics											
	Chloromethane, Solid*	0.0050	U		0.00093	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Vinyl chloride, Solid*	0.0050	U		0.00073	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Bromomethane, Solid*	0.0050	U	*	0.0029	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Chloroethane, Solid*	0.0050	U		0.0016	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	1,1-Dichloroethene, Solid*	0.0050	U		0.00099	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Carbon disulfide, Solid*	0.0050	U		0.0020	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Acetone, Solid*	0.019			0.0041	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Methylene chloride, Solid*	0.0050	U		0.0018	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	1,1-Dichloroethane, Solid*	0.0050	U		0.00087	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	2-Butanone (MEK), Solid*	0.0052			0.0042	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Chloroform, Solid*	0.0050	U		0.00062	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	1,1,1-Trichloroethane, Solid*	0.0050	U		0.00061	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Carbon tetrachloride, Solid*	0.0050	U		0.00082	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	1,2-Dichloroethene (total), Solid*	0.0050	U		0.0019	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Benzene, Solid*	0.0050	U		0.00065	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	1,2-Dichloroethane, Solid*	0.0050	U		0.00058	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Trichloroethene, Solid*	0.0050	U		0.00059	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	1,2-Dichloropropane, Solid*	0.0050	U		0.00095	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Bromodichloromethane, Solid*	0.0050	U		0.00067	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	cis-1,3-Dichloropropene, Solid*	0.0050	U		0.00078	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	4-Methyl-2-pentanone (MIBK), Solid*	0.0050	U		0.0030	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 222279

Date:11/26/2003

CUSTOMER: SECOR

PROJECT: SE ROCKFORD

ATTN: Dave Curnock

Customer Sample ID: RD-SB-S10(22-23)-01
Date Sampled.....: 11/12/2003
Time Sampled.....: 11:25
Sample Matrix.....: Soil

Laboratory Sample ID: 222279-2
Date Received.....: 11/13/2003
Time Received.....: 12:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Toluene, Solid*	0.0097			0.00099	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	trans-1,3-Dichloropropene, Solid*	0.0050	U		0.00083	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	1,1,2-Trichloroethane, Solid*	0.0050	U		0.00070	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Tetrachloroethene, Solid*	0.0046	J	a	0.00066	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	2-Hexanone, Solid*	0.0050	U		0.0017	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Dibromochloromethane, Solid*	0.0050	U		0.00068	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Chlorobenzene, Solid*	0.0050	U		0.00090	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Ethylbenzene, Solid*	0.0050	U		0.0011	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Styrene, Solid*	0.0050	U		0.00099	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Bromoform, Solid*	0.0050	U	*	0.00090	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	1,1,2,2-Tetrachloroethane, Solid*	0.0050	U		0.00063	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn
	Xylenes (total), Solid*	0.0050	U		0.0029	0.0050	1.00000	mg/Kg	102830		11/18/03 0429	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 222279

Date:11/26/2003

CUSTOMER: SECOR

PROJECT: SE ROCKFORD

ATTN: Dave Curnock

Customer Sample ID: RD-SB-S9(17.5-18.5)-01
Date Sampled.....: 11/12/2003
Time Sampled.....: 11:40
Sample Matrix.....: Soil

Laboratory Sample ID: 222279-3
Date Received.....: 11/13/2003
Time Received.....: 12:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
Method	% Solids Determination											
	% Solids, Solid	97.0			0.10	0.10	1	%	102133		11/19/03 1950	clb
	% Moisture, Solid	3.0			0.10	0.10	1	%	102133		11/19/03 1950	clb
8015B MDRO	TPH - Diesel Range Organics (DRO)											
	TPH - Jet Fuel (JP4), Solid*	4.3	U		4.3	4.3	1.00000	mg/Kg	102287		11/20/03 2257	mgk
8260B	Volatile Organics											
	Chloromethane, Solid*	0.0051	U		0.00097	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Vinyl chloride, Solid*	0.0051	U		0.00076	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Bromomethane, Solid*	0.0051	U	*	0.0030	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Chloroethane, Solid*	0.0051	U		0.0016	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	1,1-Dichloroethene, Solid*	0.0051	U		0.0010	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Carbon disulfide, Solid*	0.0051	U		0.0021	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Acetone, Solid*	0.019			0.0042	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Methylene chloride, Solid*	0.0051	U		0.0019	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	1,1-Dichloroethane, Solid*	0.0051	U		0.00091	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	2-Butanone (MEK), Solid*	0.0060			0.0043	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Chloroform, Solid*	0.0051	U		0.00064	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	1,1,1-Trichloroethane, Solid*	0.0051	U		0.00063	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Carbon tetrachloride, Solid*	0.0051	U		0.00085	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	1,2-Dichloroethene (total), Solid*	0.0051	U		0.0020	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Benzene, Solid*	0.0051	U		0.00068	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	1,2-Dichloroethane, Solid*	0.0051	U		0.00060	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Trichloroethene, Solid*	0.0051	U		0.00061	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	1,2-Dichloropropane, Solid*	0.0051	U		0.00099	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Bromodichloromethane, Solid*	0.0051	U		0.00070	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	cis-1,3-Dichloropropene, Solid*	0.0051	U		0.00081	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	4-Methyl-2-pentanone (MIBK), Solid*	0.0051	U		0.0031	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 222279

Date:11/26/2003

CUSTOMER: SECOR

PROJECT: SE ROCKFORD

ATTN: Dave Curnock

Customer Sample ID: RD-SB-S9(17.5-18.5)-01
Date Sampled.....: 11/12/2003
Time Sampled.....: 11:40
Sample Matrix.....: Soil

Laboratory Sample ID: 222279-3
Date Received.....: 11/13/2003
Time Received.....: 12:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Toluene, Solid*	0.0096			0.0010	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	trans-1,3-Dichloropropene, Solid*	0.0051	U		0.00086	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	1,1,2-Trichloroethane, Solid*	0.0051	U		0.00073	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Tetrachloroethene, Solid*	0.0057			0.00069	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	2-Hexanone, Solid*	0.0051	U		0.0017	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Dibromochloromethane, Solid*	0.0051	U		0.00071	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Chlorobenzene, Solid*	0.0051	U		0.00094	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Ethylbenzene, Solid*	0.0051	U		0.0011	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Styrene, Solid*	0.0051	U		0.0010	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Bromoform, Solid*	0.0051	U	*	0.00094	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	1,1,2,2-Tetrachloroethane, Solid*	0.0051	U		0.00066	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn
	Xylenes (total), Solid*	0.0051	U		0.0030	0.0051	1.00000	mg/Kg	102830		11/18/03 0454	jdn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 222279

Date:11/26/2003

CUSTOMER: SECOR

PROJECT: SE ROCKFORD

ATTN: Dave Curnock

Customer Sample ID: TRIP BLANK
Date Sampled.....: 11/12/2003
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 222279-4
Date Received.....: 11/13/2003
Time Received.....: 12:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics											
	Chloromethane	0.0010	U	*	0.00016	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	Vinyl chloride	0.0010	U		0.00018	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	Bromomethane	0.0010	U	*	0.00018	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	Chloroethane	0.0010	U		0.00021	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	1,1-Dichloroethene	0.0010	U		0.00019	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	Carbon disulfide	0.0050	U		0.00040	0.0050	1.00000	mg/L	102273		11/19/03 1635	jso
	Acetone	0.0050	U		0.0015	0.0050	1.00000	mg/L	102273		11/19/03 1635	jso
	Methylene chloride	0.00055	J		0.00019	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	1,1-Dichloroethane	0.0010	U		0.00020	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	2-Butanone (MEK)	0.0050	U		0.0017	0.0050	1.00000	mg/L	102273		11/19/03 1635	jso
	Chloroform	0.0010	U		0.00023	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	1,1,1-Trichloroethane	0.0010	U		0.00022	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	Carbon tetrachloride	0.0010	U		0.00024	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	1,2-Dichloroethene (total)	0.0010	U		0.00042	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	Benzene	0.0010	U		0.00020	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	1,2-Dichloroethane	0.0010	U		0.00025	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	Trichloroethene	0.0010	U		0.00021	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	1,2-Dichloropropane	0.0010	U		0.00022	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	Bromodichloromethane	0.0010	U		0.00023	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	cis-1,3-Dichloropropene	0.0010	U		0.00022	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	4-Methyl-2-pentanone (MIBK)	0.0050	U		0.00092	0.0050	1.00000	mg/L	102273		11/19/03 1635	jso
	Toluene	0.0010	U		0.00021	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	trans-1,3-Dichloropropene	0.0010	U		0.00024	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	1,1,2-Trichloroethane	0.0010	U		0.00033	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	Tetrachloroethene	0.0010	U		0.00020	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	2-Hexanone	0.0050	U		0.0012	0.0050	1.00000	mg/L	102273		11/19/03 1635	jso
	Dibromochloromethane	0.0010	U		0.00023	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	Chlorobenzene	0.0010	U		0.00022	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 222279

Date:11/26/2003

CUSTOMER: SECOR

PROJECT: SE ROCKFORD

ATTN: Dave Curnock

Customer Sample ID: TRIP BLANK
Date Sampled.....: 11/12/2003
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 222279-4
Date Received.....: 11/13/2003
Time Received.....: 12:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Ethylbenzene	0.0010	U		0.00020	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	Styrene	0.0010	U		0.00023	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	Bromoform	0.0010	U		0.00022	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	1,1,2,2-Tetrachloroethane	0.0010	U		0.00025	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso
	Xylenes (total)	0.0010	U		0.00028	0.0010	1.00000	mg/L	102273		11/19/03 1635	jso

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 222279 Date: 11/26/2003

CUSTOMER: SECOR PROJECT: SE ROCKFORD ATTN: Dave Curnock

Lab ID: 222279-1 Client ID: RD-SB-S10(10-11)-01 Date Recvd: 11/13/2003 Sample Date: 11/12/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	102133		11/19/2003	1950	
5035	5035 Archon Closed Purge & Trap	1	101927		11/18/2003	0404	
5035	5035 Preservation High (Methanol)	1	102828		11/12/2003	1100	
5035	5035 Preservation Low	1	102825		11/12/2003	1100	
5035	5035 Preservation Low	2	102825		11/12/2003	1100	
EDD	Electronic Data Deliverable	1					
3550B	Extraction Ultrasonic (JP4)	1	102060		11/19/2003	1100	
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	102287	102060	11/20/2003	1732	1.00000
8260B	Volatile Organics	1	102830	102825-101927	11/18/2003	0404	1.00000

Lab ID: 222279-2 Client ID: RD-SB-S10(22-23)-01 Date Recvd: 11/13/2003 Sample Date: 11/12/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	102133		11/19/2003	1950	
5035	5035 Archon Closed Purge & Trap	1	101927		11/18/2003	0429	
5035	5035 Preservation High (Methanol)	1	102828		11/12/2003	1125	
5035	5035 Preservation Low	1	102825		11/12/2003	1125	
5035	5035 Preservation Low	2	102825		11/12/2003	1125	
3550B	Extraction Ultrasonic (JP4)	1	102060		11/19/2003	1100	
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	102287	102060	11/20/2003	2210	1.00000
8260B	Volatile Organics	1	102830	102825-101927	11/18/2003	0429	1.00000

Lab ID: 222279-3 Client ID: RD-SB-S9(17.5-18.5)-01 Date Recvd: 11/13/2003 Sample Date: 11/12/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	102133		11/19/2003	1950	
5035	5035 Archon Closed Purge & Trap	1	101927		11/18/2003	0454	
5035	5035 Preservation High (Methanol)	1	102828		11/12/2003	1140	
5035	5035 Preservation Low	1	102825		11/12/2003	1140	
5035	5035 Preservation Low	2	102825		11/12/2003	1140	
3550B	Extraction Ultrasonic (JP4)	1	102060		11/19/2003	1100	
8015B MDRO	TPH - Diesel Range Organics (DRO)	1	102287	102060	11/20/2003	2257	1.00000
8260B	Volatile Organics	1	102830	102825-101927	11/18/2003	0454	1.00000

Lab ID: 222279-4 Client ID: TRIP BLANK Date Recvd: 11/13/2003 Sample Date: 11/12/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030B	5030 25 mL Purge Prep	1	102158		11/19/2003	1635	
8260B	Volatile Organics	1	102273	102158	11/19/2003	1635	1.00000

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SURROGATE RECOVERIES REPORT

Job Number.: 222279 Report Date.: 11/26/2003

CUSTOMER: SECOR PROJECT: SE ROCKFORD ATTN: Dave Curnock

Method.....: TPH - Diesel Range Organics (DRO) Test Matrix...: Solid Prep Batch..: 101338
Method Code...: 8015D Batch(s).....: 102287

Lab ID	DT	Sample ID	Date	2FLUBP	OTERPH
LCS			11/14/2003	88	83
MB			11/14/2003	89	84

Test	Test Description	Limits
2FLUBP	2-Fluorobiphenyl (surr)	48 - 103
OTERPH	o-Terphenyl (surr)	44 - 128

Method.....: TPH - Diesel Range Organics (DRO) Test Matrix...: Solid Prep Batch..: 102060
Method Code...: 8015D Batch(s).....: 102287

Lab ID	DT	Sample ID	Date	2FLUBP	OTERPH
LCS			11/20/2003	91	93
MB			11/20/2003	99	97
222279- 1		RD-SB-S10(10-11)-01	11/20/2003	101	223*I
222279- 1	MS	RD-SB-S10(10-11)-01	11/20/2003	92	133*I
222279- 1	MSD	RD-SB-S10(10-11)-01	11/20/2003	90	144*I
222279- 2		RD-SB-S10(22-23)-01	11/20/2003	90	91
222279- 3		RD-SB-S9(17.5-18.5)-01	11/20/2003	91	90

Test	Test Description	Limits
2FLUBP	2-Fluorobiphenyl (surr)	48 - 103
OTERPH	o-Terphenyl (surr)	44 - 128

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SURROGATE RECOVERIES REPORT

Job Number.: 222279 Report Date.: 11/26/2003

CUSTOMER: SECOR PROJECT: SE ROCKFORD ATTN: Dave Curnock

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 102830
Prep Batch..: 101927

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/17/2003	78	100	105	108
MB			11/17/2003	81	100	103	105

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	50 - 145
BRFLBE	4-Bromofluorobenzene (surr)	60 - 140
DBRFLM	Dibromofluoromethane (surr)	60 - 140
TOLD8	Toluene-d8 (surr)	66 - 141

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Water
Batch(s).....: 102273
Prep Batch..: 102158

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS			11/19/2003	98	93	103	100
MB			11/19/2003	92	91	101	100
222279-	4	TRIP BLANK	11/19/2003	99	92	106	100

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	61 - 131
BRFLBE	4-Bromofluorobenzene (surr)	73 - 122
DBRFLM	Dibromofluoromethane (surr)	66 - 132
TOLD8	Toluene-d8 (surr)	78 - 128

Method.....: Volatile Organics
Method Code...: 8260B
Test Matrix...: Solid
Batch(s).....: 102830
Prep Batch..: 102825

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
222279-	1	RD-SB-S10(10-11)-01	11/18/2003	107	110	115	117
222279-	2	RD-SB-S10(22-23)-01	11/18/2003	102	112	114	115
222279-	3	RD-SB-S9(17.5-18.5)-01	11/18/2003	106	114	116	118

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	50 - 145
BRFLBE	4-Bromofluorobenzene (surr)	60 - 140
DBRFLM	Dibromofluoromethane (surr)	60 - 140
TOLD8	Toluene-d8 (surr)	66 - 141

QUALITY CONTROL RESULTS

Job Number.: 222279

Report Date.: 11/26/2003

CUSTOMER: SECOR

PROJECT: SE ROCKFORD

ATTN: Dave Curnock

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8015B MDRO
Method Description.: TPH - Diesel Range Organics (DRO)

Equipment Code....: INST09
Batch.....: 102287

Analyst...: mgk

LCS	Laboratory Control Sample	003JWLJP4A	101338-002		11/14/2003	1740

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
TPH - Jet Fuel (JP4), Solid	mg/Kg	50.213		66.670	50.213	75	%	50-150	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222279

Report Date.: 11/26/2003

CUSTOMER: SECOR

PROJECT: SE ROCKFORD

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8015B MDRO
Method Description.: TPH - Diesel Range Organics (DRO)

Equipment Code....: INST09
Batch.....: 102287

Analyst...: mgk

LCS	Laboratory Control Sample	003JWLJP4A	102060-002		11/20/2003	1512

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
TPH - Jet Fuel (JP4), Solid	mg/Kg	40.015		66.670	4.199 U	60	%	50-150	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222279

Report Date.: 11/26/2003

CUSTOMER: SECOR

PROJECT: SE ROCKFORD

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		101338-001		11/14/2003	1654

Test Method.....: 8015B MDRO
Method Description.: TPH - Diesel Range Organics (DRO)

Equipment Code....: INST09
Batch.....: 102287

Analyst...: mgk

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
TPH - Jet Fuel (JP4), Solid	mg/Kg	4.199	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222279

Report Date.: 11/26/2003

CUSTOMER: SECOR

PROJECT: SE ROCKFORD

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: *8015B MDRO*
Method Description.: TPH - Diesel Range Organics (DRO)

Equipment Code....: INST09
Batch.....: 102287

Analyst...: mgk

MB	Method Blank		102060-001		11/20/2003	1426

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
TPH - Jet Fuel (JP4), Solid	mg/Kg	4.199	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222279

Report Date.: 11/26/2003

CUSTOMER: SECOR

PROJECT: SE ROCKFORD

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8015B MDRO
Method Description.: TPH - Diesel Range Organics (DRO)

Equipment Code....: INST09
Batch.....: 102287

Analyst...: mgk

MS	Matrix Spike	003JWLJP4A	222279-1		11/20/2003	1905

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
TPH - Jet Fuel (JP4), Solid	mg/Kg	49.533		69.150	4.355 U	72	%	50-150	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222279

Report Date.: 11/26/2003

CUSTOMER: SECOR

PROJECT: SE ROCKFORD

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8015B MDRO
Method Description.: TPH - Diesel Range Organics (DRO)

Equipment Code....: INST09
Batch.....: 102287

Analyst...: mgk

MSD	Matrix Spike Duplicate	003JWLJP4A	222279-1		11/20/2003	2038

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
TPH - Jet Fuel (JP4), Solid	mg/Kg	52.124	49.533	69.820	4.398 U	75	%	50-150	
						4	R	30	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222279

Report Date.: 11/26/2003

CUSTOMER: SECOR | PROJECT: SE ROCKFORD | ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V03K190SE	102158-020		11/19/2003	1047

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL9
Batch.....: 102273

Analyst...: jso

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	mg/L	0.005171		0.010000	0.001000 U	52	%	56-129	*
Vinyl chloride	mg/L	0.009148		0.010000	0.001000 U	91	%	67-137	
Bromomethane	mg/L	0.003812		0.010000	0.001000 U	38	%	51-152	*
Chloroethane	mg/L	0.009856		0.010000	0.001000 U	99	%	68-135	
1,1-Dichloroethene	mg/L	0.010027		0.010000	0.001000 U	100	%	54-127	
Carbon disulfide	mg/L	0.008640		0.010000	0.005000 U	86	%	29-136	
Acetone	mg/L	0.009868		0.010000	0.005000 U	99	%	43-150	
Methylene chloride	mg/L	0.009865		0.010000	0.001000 U	99	%	52-133	
1,1-Dichloroethane	mg/L	0.010695		0.010000	0.001000 U	107	%	69-127	
2-Butanone (MEK)	mg/L	0.013316		0.010000	0.005000 U	133	%	54-145	
Chloroform	mg/L	0.010701		0.010000	0.001000 U	107	%	74-128	
1,1,1-Trichloroethane	mg/L	0.010423		0.010000	0.001000 U	104	%	66-129	
Carbon tetrachloride	mg/L	0.010332		0.010000	0.001000 U	103	%	66-136	
1,2-Dichloroethene (total)	mg/L	0.021112		0.020000	0.001000 U	106	%	72-121	
Benzene	mg/L	0.010108		0.010000	0.001000 U	101	%	74-116	
1,2-Dichloroethane	mg/L	0.009960		0.010000	0.001000 U	100	%	63-133	
Trichloroethene	mg/L	0.010483		0.010000	0.001000 U	105	%	70-120	
1,2-Dichloropropane	mg/L	0.010408		0.010000	0.001000 U	104	%	71-132	
Bromodichloromethane	mg/L	0.010970		0.010000	0.001000 U	110	%	76-129	
cis-1,3-Dichloropropene	mg/L	0.010771		0.010400	0.001000 U	104	%	75-123	
4-Methyl-2-pentanone (MIBK)	mg/L	0.010616		0.010000	0.005000 U	106	%	66-147	
Toluene	mg/L	0.010147		0.010000	0.001000 U	101	%	71-122	
trans-1,3-Dichloropropene	mg/L	0.009911		0.009600	0.001000 U	103	%	76-126	
1,1,2-Trichloroethane	mg/L	0.010798		0.010000	0.001000 U	108	%	69-138	
Tetrachloroethene	mg/L	0.010075		0.010000	0.001000 U	101	%	69-128	
2-Hexanone	mg/L	0.010597		0.010000	0.005000 U	106	%	70-144	
Dibromochloromethane	mg/L	0.010186		0.010000	0.001000 U	102	%	74-137	
Chlorobenzene	mg/L	0.009951		0.010000	0.001000 U	100	%	76-124	
Ethylbenzene	mg/L	0.010496		0.010000	0.001000 U	105	%	74-121	
Styrene	mg/L	0.010811		0.010000	0.001000 U	108	%	80-125	
Bromoform	mg/L	0.009009		0.010000	0.001000 U	90	%	73-139	
1,1,2,2-Tetrachloroethane	mg/L	0.010284		0.010000	0.001000 U	103	%	72-127	
Xylenes (total)	mg/L	0.033725		0.030000	0.001000 U	112	%	76-138	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222279 | Report Date.: 11/26/2003

CUSTOMER: SECOR | PROJECT: SE ROCKFORD | ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		102158-019		11/19/2003	1018

Test Method.....: 8260B
Method Description.: Volatile Organics
Equipment Code....: GCL9
Batch.....: 102273
Analyst...: jso

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	mg/L	0.001000 U							
Vinyl chloride	mg/L	0.001000 U							
Bromomethane	mg/L	0.001000 U							
Chloroethane	mg/L	0.001000 U							
1,1-Dichloroethene	mg/L	0.001000 U							
Carbon disulfide	mg/L	0.005000 U							
Acetone	mg/L	0.005000 U							
Methylene chloride	mg/L	0.001000 U							
1,1-Dichloroethane	mg/L	0.001000 U							
2-Butanone (MEK)	mg/L	0.005000 U							
Chloroform	mg/L	0.001000 U							
1,1,1-Trichloroethane	mg/L	0.001000 U							
Carbon tetrachloride	mg/L	0.001000 U							
1,2-Dichloroethene (total)	mg/L	0.001000 U							
Benzene	mg/L	0.001000 U							
1,2-Dichloroethane	mg/L	0.001000 U							
Trichloroethene	mg/L	0.001000 U							
1,2-Dichloropropane	mg/L	0.001000 U							
Bromodichloromethane	mg/L	0.001000 U							
cis-1,3-Dichloropropene	mg/L	0.001000 U							
4-Methyl-2-pentanone (MIBK)	mg/L	0.005000 U							
Toluene	mg/L	0.001000 U							
trans-1,3-Dichloropropene	mg/L	0.001000 U							
1,1,2-Trichloroethane	mg/L	0.001000 U							
Tetrachloroethene	mg/L	0.001000 U							
2-Hexanone	mg/L	0.005000 U							
Dibromochloromethane	mg/L	0.001000 U							
Chlorobenzene	mg/L	0.001000 U							
Ethylbenzene	mg/L	0.001000 U							
Styrene	mg/L	0.001000 U							
Bromoform	mg/L	0.001000 U							
1,1,2,2-Tetrachloroethane	mg/L	0.001000 U							
Xylenes (total)	mg/L	0.001000 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222279 | Report Date.: 11/26/2003

CUSTOMER: SECOR | PROJECT: SE ROCKFORD | ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL16
Batch.....: 102830

Analyst...: jdn

LCS	Laboratory Control Sample	V03K17DSB	101927-002		11/17/2003	2138

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Chloromethane, Solid	mg/Kg	0.059		0.050	0.005	U	119	%	45-141	
Vinyl chloride, Solid	mg/Kg	0.057		0.050	0.005	U	114	%	58-140	
Bromomethane, Solid	mg/Kg	0.078		0.050	0.005	U	155	%	48-127	*
Chloroethane, Solid	mg/Kg	0.069		0.050	0.005	U	138	%	59-163	
1,1-Dichloroethene, Solid	mg/Kg	0.051		0.050	0.005	U	101	%	51-132	
Carbon disulfide, Solid	mg/Kg	0.052		0.050	0.005	U	105	%	23-138	
Acetone, Solid	mg/Kg	0.034		0.050	0.005	U	68	%	46-167	
Methylene chloride, Solid	mg/Kg	0.049		0.050	0.005	U	98	%	58-143	
1,1-Dichloroethane, Solid	mg/Kg	0.054		0.050	0.005	U	107	%	63-133	
2-Butanone (MEK), Solid	mg/Kg	0.052		0.050	0.005	U	104	%	50-150	
Chloroform, Solid	mg/Kg	0.047		0.050	0.005	U	94	%	73-135	
1,1,1-Trichloroethane, Solid	mg/Kg	0.044		0.050	0.005	U	88	%	63-133	
Carbon tetrachloride, Solid	mg/Kg	0.039		0.050	0.005	U	79	%	67-127	
1,2-Dichloroethene (total), Solid	mg/Kg	0.109		0.100	0.005	U	109	%	63-144	
Benzene, Solid	mg/Kg	0.051		0.050	0.005	U	102	%	72-128	
1,2-Dichloroethane, Solid	mg/Kg	0.038		0.050	0.005	U	76	%	69-125	
Trichloroethene, Solid	mg/Kg	0.046		0.050	0.005	U	93	%	75-129	
1,2-Dichloropropane, Solid	mg/Kg	0.053		0.050	0.005	U	106	%	76-132	
Bromodichloromethane, Solid	mg/Kg	0.042		0.050	0.005	U	84	%	74-128	
cis-1,3-Dichloropropene, Solid	mg/Kg	0.047		0.052	0.005	U	90	%	80-124	
4-Methyl-2-pentanone (MIBK), Solid	mg/Kg	0.049		0.050	0.005	U	98	%	68-134	
Toluene, Solid	mg/Kg	0.049		0.050	0.005	U	98	%	75-125	
trans-1,3-Dichloropropene, Solid	mg/Kg	0.040		0.048	0.005	U	83	%	75-134	
1,1,2-Trichloroethane, Solid	mg/Kg	0.051		0.050	0.005	U	102	%	71-143	
Tetrachloroethene, Solid	mg/Kg	0.045		0.050	0.005	U	89	%	75-129	
2-Hexanone, Solid	mg/Kg	0.049		0.050	0.005	U	99	%	69-140	
Dibromochloromethane, Solid	mg/Kg	0.043		0.050	0.005	U	87	%	77-127	
Chlorobenzene, Solid	mg/Kg	0.049		0.050	0.005	U	97	%	83-125	
Ethylbenzene, Solid	mg/Kg	0.051		0.050	0.005	U	101	%	79-123	
Styrene, Solid	mg/Kg	0.049		0.050	0.005	U	97	%	85-126	
Bromoform, Solid	mg/Kg	0.038		0.050	0.005	U	77	%	78-132	*
1,1,2,2-Tetrachloroethane, Solid	mg/Kg	0.052		0.050	0.005	U	104	%	68-139	
Xylenes (total), Solid	mg/Kg	0.137		0.150	0.005	U	91	%	82-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222279 | Report Date.: 11/26/2003

CUSTOMER: SECOR | PROJECT: SE ROCKFORD | ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		101927-001		11/17/2003	2051

Test Method.....: 8260B
Method Description.: Volatile Organics

Equipment Code....: GCL16
Batch.....: 102830

Analyst...: jdn

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane, Solid	mg/Kg	0.005	U							
Vinyl chloride, Solid	mg/Kg	0.005	U							
Bromomethane, Solid	mg/Kg	0.005	U							
Chloroethane, Solid	mg/Kg	0.005	U							
1,1-Dichloroethene, Solid	mg/Kg	0.005	U							
Carbon disulfide, Solid	mg/Kg	0.005	U							
Acetone, Solid	mg/Kg	0.005	U							
Methylene chloride, Solid	mg/Kg	0.005	U							
1,1-Dichloroethane, Solid	mg/Kg	0.005	U							
2-Butanone (MEK), Solid	mg/Kg	0.005	U							
Chloroform, Solid	mg/Kg	0.005	U							
1,1,1-Trichloroethane, Solid	mg/Kg	0.005	U							
Carbon tetrachloride, Solid	mg/Kg	0.005	U							
1,2-Dichloroethene (total), Solid	mg/Kg	0.005	U							
Benzene, Solid	mg/Kg	0.005	U							
1,2-Dichloroethane, Solid	mg/Kg	0.005	U							
Trichloroethene, Solid	mg/Kg	0.005	U							
1,2-Dichloropropane, Solid	mg/Kg	0.005	U							
Bromodichloromethane, Solid	mg/Kg	0.005	U							
cis-1,3-Dichloropropene, Solid	mg/Kg	0.005	U							
4-Methyl-2-pentanone (MIBK), Solid	mg/Kg	0.005	U							
Toluene, Solid	mg/Kg	0.005	U							
trans-1,3-Dichloropropene, Solid	mg/Kg	0.005	U							
1,1,2-Trichloroethane, Solid	mg/Kg	0.005	U							
Tetrachloroethene, Solid	mg/Kg	0.005	U							
2-Hexanone, Solid	mg/Kg	0.005	U							
Dibromochloromethane, Solid	mg/Kg	0.005	U							
Chlorobenzene, Solid	mg/Kg	0.005	U							
Ethylbenzene, Solid	mg/Kg	0.005	U							
Styrene, Solid	mg/Kg	0.005	U							
Bromoform, Solid	mg/Kg	0.005	U							
1,1,2,2-Tetrachloroethane, Solid	mg/Kg	0.005	U							
Xylenes (total), Solid	mg/Kg	0.005	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 222279

Report Date.: 11/26/2003

CUSTOMER: SECOR

PROJECT: SE ROCKFORD

ATTN: Dave Curnock

Test Method.....: Method
Method Description.: % Solids Determination
Parameter.....: % Solids

Batch.....: 102133
Equipment Code....:

Analyst...: clb
Test Code.: %SOLID

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	102133-001		%	0.1000 U								11/19/2003	1950

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U Analyte was not detected at or above the stated limit.
< Not detected at or above the reporting limit.
. Result is less than the RL, but greater than or equal to the method detection limit.
E Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S Result was determined by the Method of Standard Additions.
F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

' ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+ MSA correlation coefficient is less than 0.995.
4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E SD: Serial dilution exceeds the control limits.
F MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N MS, MSD: Spike recovery exceeds the upper or lower control limits.
W AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U Analyte was not detected at or above the stated limit.
ND Compound not detected.
. Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q Result was qualitatively confirmed, but not quantified.
C Pesticide identification was confirmed by GC/MS.
Y The chromatographic response resembles a typical fuel pattern.
Z The chromatographic response does not resemble a typical fuel pattern.
E Result exceeded calibration range, secondary dilution required.
F AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B MB: Batch QC is greater than reporting limit.
* LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
' EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A Concentration exceeds the instrument calibration range
a Concentration is below the method Reporting Limit (RL)
B Compound was found in the blank and sample.
D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H Alternate peak selection upon analytical review
I Indicates the presence of an interfence, recovery is not calculated.
M Manually integrated compound.
P The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
R1	Re-analysis of D1
R2	Re-analysis of D2
R3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

SEVERN TRENT **STL**

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NORTH, LOMBARD, IL. 60148
Phone: 630.792.1680
Fax: 630.792.1691
PO#: 013.01410 Quote:

Shaded Areas For Internal Use Only

Lab Lot# 222279

Package Sealed? Yes (No)	Samples Sealed Yes (No)
Received on Ice (Yes) No	Samples Intact (Yes) No
Temperature °C of Cooler 4.0	
Within Hold Time (Yes) No	Preserv. Indicated (Yes) No NA
pH Check OK Yes No (NA)	Res Cl_2 Check OK Yes No (NA)
Sample Labels and COC Agree (Yes) No COC not present	

Sampler Name: KELLI McDONALD
Signature: Kelli McDonald
Project Name: SOUTHEAST ROCKFORD
Project Number: 13UN.02072.02.0001
Project Location: SER AREA 9/10
Date Required Hard Copy: __/__/__ Fax: __/__/__
Lab PM: RICHARD WRIGHT

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	VOCs 5035/8260B	DRO 8015	Additional Analyses / Remarks
1		RD-SB-S10(10-11)-01	11/12/03	1100	S	G	X	X	STANDARD TURNAROUND
2		RD-SB-S10(22-23)-01	11/12/03	1125	S	G	X	X	TIME
3		RD-SB-S17(17.5-18.5)-01	11/12/03	1140	S	G	X	X	
4		TRIP BLANK					X		

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	SECOR	11/13/03	10:20	[signature]	STL	11/13/03	1020
				[signature]	STL	11/13/03	1230

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
O = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Wide mouth Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
COOLER CUSTODY SEAL NO!
496177

Date Received 11/13/03
Courier: SDL Hand Delivered N
Bill of Lading