Illinois Environmental Protection Agency

Technical Memorandum
Southeast Rockford Groundwater Contamination Superfund Site
Source Area 7 Pre-Design Field Study

Appendices

September 7, 2005

US EPA RECORDS CENTER REGION 5
521533

Technical Memorandum

Appendix A

Appendix A
Soil Gas Analytical Reports

New Age/Landmark
Mobile Laboratory Services
667 West Main Street
Benton Harbor, MI 49002
Phone (616) 927-3004 Fax (616) 927-3411

ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9008
Analysis Date: 24-Aug-04
Preservation Date: N.A
Operator: LEW
Sample ID: A7-SG-01A
Lab ID: 04098-01
Matrix: Soil Gas
Date Sampled: 24-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	15400
1,1-Dichloroethene	5,200		ppbv	4960
trans-1,2-Dichloroethene	5,200		ppbv	4960
1,1-Dichloroethane	36,000		ppbv	4860
cis-1,2-Dichloroethene	230,000		ppbv	4960
Chloroform	ND		ppbv	4030
1,1,1-Trichloroethane	630,000		ppbv	3600
Benzene	ND		ppbv	6160
1,2-Dichloroethane	ND		ppbv	4860
Trichloroethene	9,800		ppbv	3660
Toluene	ND		ppbv	5220
Tetrachloroethene	9,000		ppbv	2900
Ethylbenzene	ND		ppbv	4540
Xylenes (total)	ND		ppbv	4540

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	52	50	104%
1,2-Dichloroethane d4	50	50	100%
Toluene d8	49	50	98%
Bromofluorobenzene	58	50	116%

Volume Injected	0 25	mL

Reporting Limit is adjusted for sample volume
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9010
Analysis Date: 24-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-02A
Lab ID: 04098-03
Matrix: Soil Gas
Date Sampled: 24-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	15400
1,1-Dichloroethene	ND		ppbv	4960
trans-1,2-Dichloroethene	ND		ppbv	4960
1,1-Dichloroethane	11,000		ppbv	4860
cis-1,2-Dichloroethene	34,000		ppbv	4960
Chloroform	ND		ppbv	4030
1,1,1-Trichloroethane	280,000		ppbv	3600
Benzene	ND		ppbv	6160
1,2-Dichloroethane	ND		ppbv	4860
Trichloroethene	ND		ppbv	3660
Toluene	ND		ppbv	5220
Tetrachloroethene	ND		ppbv	2900
Ethylbenzene	ND		ppbv	4540
Xylenes (total)	ND		ppbv	4540

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	52	50	104%
1,2-Dichloroethane d4	49	50	98%
Toluene d8	48	50	96%
Bromofluorobenzene	53	50	106%

Volume Injected	0.25	mL

Reporting Limit is adjusted for sample volume
Analytical results meet all requirements of NELAC Standards

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125 So. Wacker Dr., Ste. 600
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ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9006
Analysis Date: 24-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: LCS
Lab ID:
Matrix: Soil Gas
Date Sampled: NA
Method: 8260

ANALYTES	RESULTS	UNITS	SPIKE AMOUNT	% Rec
Vinyl chloride	49	ug/L	50	98%
1,1-Dichloroethene	56	ug/L	50	112%
trans-1,2-Dichloroethene	53	ug/L	50	106%
1,1-Dichloroethane	53	ug/L	50	106%
cis-1,2-Dichloroethene	54	ug/L	50	108%
Chloroform	55	ug/L	50	110%
1,1,1-Trichloroethane	55	ug/L	50	110%
Benzene	52	ug/L	50	104%
1,2-Dichloroethane	51	ug/L	50	102%
Trichloroethene	54	ug/L	50	108%
Toluene	54	ug/L	50	108%
Tetrachloroethene	52	ug/L	50	104%
Ethylbenzene	50	ug/L	50	100%
Xylenes (total)	150	ug/L	150	100%
Surrogates			**Spike Amount**	**% Rec**
Dibromofluoromethane	51	ug/L	50	102%
1,2-Dichloroethane d4	50	ug/L	50	100%
Toluene d8	51	ug/L	50	102%
Bromofluorobenzene	49	ug/L	50	98%
Volume Injected	25	mL		

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9013
Analysis Date: 24-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: LCSD
Lab ID:
Matrix: Soil Gas
Date Sampled: NA
Method: 8260

ANALYTES	RESULTS	UNITS	SPIKE AMOUNT	% Rec	% RSD
Vinyl chloride	51	ug/L	50	102%	4%
1,1-Dichloroethene	56	ug/L	50	112%	0%
trans-1,2-Dichloroethene	52	ug/L	50	104%	-2%
1,1-Dichloroethane	54	ug/L	50	108%	2%
cis-1,2-Dichloroethene	54	ug/L	50	108%	0%
Chloroform	57	ug/L	50	114%	4%
1,1,1-Trichloroethane	59	ug/L	50	118%	7%
Benzene	52	ug/L	50	104%	0%
1,2-Dichloroethane	53	ug/L	50	106%	4%
Trichloroethene	54	ug/L	50	108%	0%
Toluene	52	ug/L	50	104%	-4%
Tetrachloroethene	51	ug/L	50	102%	-2%
Ethylbenzene	45	ug/L	50	90%	-11%
Xylenes (total)	140	ug/L	150	93%	-7%
Surrogates			**Spike Amount**	**% Rec**	**% RSD**
Dibromofluoromethane	52	ug/L	50	104%	2%
1,2-Dichloroethane d4	55	ug/L	50	110%	10%
Toluene d8	52	ug/L	50	104%	2%
Bromofluorobenzene	50	ug/L	50	100%	2%
Volume Injected	25	mL			

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9005
Analysis Date: 24-Aug-04
Preservation Date: N.A
Operator: LEW
Sample ID: CCV @ 50 NG
Lab ID:
Matrix: Soil Gas
Date Sampled: NA
Method: 8260

ANALYTES	RESULTS	UNITS	SPIKE AMOUNT	% Rec
Vinyl chloride	51	ug/L	50	102%
1,1-Dichloroethene	54	ug/L	50	108%
trans-1,2-Dichloroethene	50	ug/L	50	100%
1,1-Dichloroethane	48	ug/L	50	96%
cis-1,2-Dichloroethene	52	ug/L	50	104%
Chloroform	54	ug/L	50	108%
1,1,1-Trichloroethane	55	ug/L	50	110%
Benzene	51	ug/L	50	102%
1,2-Dichloroethane	50	ug/L	50	100%
Trichloroethene	53	ug/L	50	106%
Toluene	52	ug/L	50	104%
Tetrachloroethene	50	ug/L	50	100%
Ethylbenzene	44	ug/L	50	88%
Xylenes (total)	132	ug/L	150	88%
Surrogates			**Spike Amount**	**% Rec**
Dibromofluoromethane	52	ug/L	50	104%
1,2-Dichloroethane d4	52	ug/L	50	104%
Toluene d8	53	ug/L	50	106%
Bromofluorobenzene	49	ug/L	50	98%

Volume Injected

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9007
Analysis Date: 24-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: Method Blank
Lab ID: N/A
Matrix: Soil Gas
Date Sampled: NA
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	52	50	104%
1,2-Dichloroethane d4	48	50	96%
Toluene d8	49	50	98%
Bromofluorobenzene	54	50	108%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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125 So. Wacker Dr., Ste. 600
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ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9019
Analysis Date: 25-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-01B RERUN DIL
Lab ID: 04098-02
Matrix: Soil Gas
Date Sampled: 24-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	1540
1,1-Dichloroethene	960		ppbv	496
trans-1,2-Dichloroethene	ND		ppbv	496
1,1-Dichloroethane	3,800		ppbv	486
cis-1,2-Dichloroethene	17,000		ppbv	496
Chloroform	ND		ppbv	403
1,1,1-Trichloroethane	33,000		ppbv	360
Benzene	ND		ppbv	616
1,2-Dichloroethane	ND		ppbv	486
Trichloroethene	ND		ppbv	366
Toluene	ND		ppbv	522
Tetrachloroethene	390		ppbv	290
Ethylbenzene	ND		ppbv	454
Xylenes (total)	ND		ppbv	454

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	53	50	106%
1,2-Dichloroethane d4	52	50	104%
Toluene d8	49	50	98%
Bromofluorobenzene	48	50	96%

Volume Injected	2.5	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9020
Analysis Date: 25-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-03A RERUN DIL
Lab ID: 04098-04
Matrix: Soil Gas
Date Sampled: 24-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	160		ppbv	49
cis-1,2-Dichloroethene	120		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	150		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	54	50	108%
1,2-Dichloroethane d4	52	50	104%
Toluene d8	48	50	96%
Bromofluorobenzene	48	50	96%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9021
Analysis Date: 25-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-04A RERUN DIL
Lab ID: 04098-05
Matrix: Soil Gas
Date Sampled: 24-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	53		ppbv	49
cis-1,2-Dichloroethene	60		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	1,200		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	48		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	56	50	112%
1,2-Dichloroethane d4	54	50	108%
Toluene d8	48	50	96%
Bromofluorobenzene	49	50	98%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9022
Analysis Date: 25-Aug-04
Preservation Date: N.A
Operator: LEW
Sample ID: A7-SG-05A
Lab ID: 04098-06
Matrix: Soil Gas
Date Sampled: 25-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	55	50	110%
1,2-Dichloroethane d4	53	50	106%
Toluene d8	50	50	100%
Bromofluorobenzene	47	50	94%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9023
Analysis Date: 25-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-06A
Lab ID: 04098-07
Matrix: Soil Gas
Date Sampled: 25-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	54	50	108%
1,2-Dichloroethane d4	54	50	108%
Toluene d8	49	50	98%
Bromofluorobenzene	56	50	112%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9024
Analysis Date: 25-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-07A
Lab ID: 04098-08
Matrix: Soil Gas
Date Sampled: 25-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	55	50	110%
1,2-Dichloroethane d4	54	50	108%
Toluene d8	48	50	96%
Bromofluorobenzene	53	50	106%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9025
Analysis Date: 25-Aug-04
Preservation Date: N A
Operator: LEW
Sample ID: A7-SG-08A
Lab ID: 04098-09
Matrix: Soil Gas
Date Sampled: 25-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	53	50	106%
1,2-Dichloroethane d4	52	50	104%
Toluene d8	49	50	98%
Bromofluorobenzene	51	50	102%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume
Analytical results meet all requirements of NELAC Standards

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125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9026
Analysis Date: 25-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-09A
Lab ID: 04098-10
Matrix: Soil Gas
Date Sampled: 25-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates			Spike Amount	%Rec
Dibromofluoromethane	55		50	110%
1,2-Dichloroethane d4	53		50	106%
Toluene d8	49		50	98%
Bromofluorobenzene	53		50	106%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

New Age/Landmark
Mobile Laboratory Services
667 West Main Street
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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9027
Analysis Date: 25-Aug-04
Preservation Date: N A
Operator: LEW
Sample ID: A7-SG-10A
Lab ID: 04098-11
Matrix: Soil Gas
Date Sampled: 25-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	96		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates			Spike Amount	%Rec
Dibromofluoromethane	55		50	110%
1,2-Dichloroethane d4	53		50	106%
Toluene d8	49		50	98%
Bromofluorobenzene	54		50	108%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9031
Analysis Date: 25-Aug-04
Preservation Date: N A
Operator: LEW
Sample ID: A7-SG-15A
Lab ID: 04098-12
Matrix: Soil Gas
Date Sampled: 25-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates			Spike Amount	%Rec
Dibromofluoromethane	54		50	108%
1,2-Dichloroethane d4	54		50	108%
Toluene d8	49		50	98%
Bromofluorobenzene	53		50	106%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

New Age/Landmark
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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
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ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9032
Analysis Date: 25-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-16A
Lab ID: 04098-13
Matrix: Soil Gas
Date Sampled: 25-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	57	50	114%
1,2-Dichloroethane d4	60	50	120%
Toluene d8	49	50	98%
Bromofluorobenzene	54	50	108%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

New Age/Landmark
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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
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ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9033
Analysis Date: 25-Aug-04
Preservation Date: N.A
Operator: LEW
Sample ID: A7-SG-17A
Lab ID: 04098-14
Matrix: Soil Gas
Date Sampled: 25-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	59	50	118%
1,2-Dichloroethane d4	62	50	124%
Toluene d8	48	50	96%
Bromofluorobenzene	59	50	118%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

New Age/Landmark
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ANALYTICAL REPORT

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125 So. Wacker Dr., Ste. 600
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ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9034
Analysis Date: 25-Aug-04
Preservation Date: N A.
Operator: LEW
Sample ID: A7-SG-19A
Lab ID: 04098-15
Matrix: Soil Gas
Date Sampled: 25-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	74		ppbv	50
trans-1,2-Dichloroethene	260		ppbv	50
1,1-Dichloroethane	3,400		ppbv	49
cis-1,2-Dichloroethene	7,200		ppbv	50
Chloroform	40		ppbv	40
1,1,1-Trichloroethane	6,300		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	71		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	100		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	54	50	108%
1,2-Dichloroethane d4	53	50	106%
Toluene d8	49	50	98%
Bromofluorobenzene	55	50	110%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9039
Analysis Date: 26-Aug-04
Preservation Date: N.A
Operator: LEW
Sample ID: A7-SG-20A
Lab ID: 04098-16
Matrix: Soil Gas
Date Sampled: 25-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	56	50	112%
1,2-Dichloroethane d4	56	50	112%
Toluene d8	49	50	98%
Bromofluorobenzene	55	50	110%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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125 So. Wacker Dr., Ste. 600
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Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9038
Analysis Date: 25-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-20B
Lab ID: 04098-17
Matrix: Soil Gas
Date Sampled: 25-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates			Spike Amount	%Rec
Dibromofluoromethane	54		50	108%
1,2-Dichloroethane d4	56		50	112%
Toluene d8	48		50	96%
Bromofluorobenzene	54		50	108%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9037
Analysis Date: 25-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-21A
Lab ID: 04098-18
Matrix: Soil Gas
Date Sampled: 25-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	55	50	110%
1,2-Dichloroethane d4	55	50	110%
Toluene d8	49	50	98%
Bromofluorobenzene	55	50	110%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
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Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9036
Analysis Date: 25-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-22A
Lab ID: 04098-19
Matrix: Soil Gas
Date Sampled: 25-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	77		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	58	50	116%
1,2-Dichloroethane d4	63	50	126%
Toluene d8	48	50	96%
Bromofluorobenzene	51	50	102%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9035
Analysis Date: 25-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-23A
Lab ID: 04098-20
Matrix: Soil Gas
Date Sampled: 25-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	300		ppbv	50
trans-1,2-Dichloroethene	72		ppbv	50
1,1-Dichloroethane	760		ppbv	49
cis-1,2-Dichloroethene	2,000		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	830		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	54	50	108%
1,2-Dichloroethane d4	55	50	110%
Toluene d8	48	50	96%
Bromofluorobenzene	54	50	108%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

New Age/Landmark
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ANALYTICAL REPORT

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125 So. Wacker Dr., Ste. 600
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Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9041
Analysis Date: 26-Sep-04
Preservation Date: N/A
Operator: LEW
Sample ID: A7-SG-20A (MS)
Lab ID: 04098-16
Matrix: Soil Gas
Date Sampled: 25-Sep-04
Method: 8260

ANALYTES	RESULTS	SAMPLE RESULTS	UNITS	SPIKE AMOUNT	% Rec
Vinyl chloride	50	0	ug/L	50	100%
1,1-Dichloroethene	55	0	ug/L	50	110%
trans-1,2-Dichloroethene	50	0	ug/L	50	100%
1,1-Dichloroethane	53	0	ug/L	50	106%
cis-1,2-Dichloroethene	52	0	ug/L	50	104%
Chloroform	56	0	ug/L	50	112%
1,1,1-Trichloroethane	56	0	ug/L	50	112%
Benzene	50	0	ug/L	50	100%
1,2-Dichloroethane	54	0	ug/L	50	108%
Trichloroethene	52	0	ug/L	50	104%
Toluene	50	0	ug/L	50	100%
Tetrachloroethene	47	0	ug/L	50	94%
Ethylbenzene	39	0	ug/L	50	78%
Xylenes (total)	137	0	ug/L	150	91%

Surrogates			Spike Amount	% Rec
Dibromofluoromethane	55	ug/L	50	110%
1,2-Dichloroethane d4	57	ug/L	50	114%
Toluene d8	50	ug/L	50	100%
Bromofluorobenzene	49	ug/L	50	98%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9042
Analysis Date: 26-Sep-04
Preservation Date: N/A
Operator: LEW
Sample ID: A7-SG-20A (MSD)
Lab ID: 04098-16
Matrix: Soil Gas
Date Sampled: 25-Sep-04
Method: 8260

ANALYTES	RESULTS	SAMPLE RESULTS	UNITS	SPIKE AMOUNT	% Rec	% RSD
Vinyl chloride	50	0	ug/L	50	100%	0%
1,1-Dichloroethene	55	0	ug/L	50	110%	0%
trans-1,2-Dichloroethene	51	0	ug/L	50	102%	2%
1,1-Dichloroethane	55	0	ug/L	50	110%	4%
cis-1,2-Dichloroethene	56	0	ug/L	50	112%	7%
Chloroform	60	0	ug/L	50	120%	7%
1,1,1-Trichloroethane	55	0	ug/L	50	110%	-2%
Benzene	52	0	ug/L	50	104%	4%
1,2-Dichloroethane	64	0	ug/L	50	128%	17%
Trichloroethene	53	0	ug/L	50	106%	2%
Toluene	50	0	ug/L	50	100%	0%
Tetrachloroethene	44	0	ug/L	50	88%	-7%
Ethylbenzene	41	0	ug/L	50	82%	5%
Xylenes (total)	138	0	ug/L	150	92%	1%

Surrogates			Spike Amount	% Rec	% RSD
Dibromofluoromethane	58	ug/L	50	116%	5%
1,2-Dichloroethane d4	65	ug/L	50	130%	13%
Toluene d8	58	ug/L	50	116%	15%
Bromofluorobenzene	58	ug/L	50	116%	17%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

New Age/Landmark
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ANALYTICAL REPORT

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125 So. Wacker Dr., Ste. 600
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ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9016
Analysis Date: 25-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: LCS
Lab ID:
Matrix: Soil Gas
Date Sampled: NA
Method: 8260

ANALYTES	RESULTS	UNITS	SPIKE AMOUNT	% Rec
Vinyl chloride	54	ug/L	50	108%
1,1-Dichloroethene	59	ug/L	50	118%
trans-1,2-Dichloroethene	52	ug/L	50	104%
1,1-Dichloroethane	50	ug/L	50	100%
cis-1,2-Dichloroethene	54	ug/L	50	108%
Chloroform	56	ug/L	50	112%
1,1,1-Trichloroethane	57	ug/L	50	114%
Benzene	52	ug/L	50	104%
1,2-Dichloroethane	53	ug/L	50	106%
Trichloroethene	54	ug/L	50	108%
Toluene	55	ug/L	50	110%
Tetrachloroethene	52	ug/L	50	104%
Ethylbenzene	45	ug/L	50	90%
Xylenes (total)	141	ug/L	150	94%
Surrogates			**Spike Amount**	**% Rec**
Dibromofluoromethane	53	ug/L	50	106%
1,2-Dichloroethane d4	53	ug/L	50	106%
Toluene d8	51	ug/L	50	102%
Bromofluorobenzene	47	ug/L	50	94%
Volume Injected	25	mL		

Reporting Limit is adjusted for sample volume
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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125 So. Wacker Dr., Ste. 600
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ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9017
Analysis Date: 25-Aug-04
Preservation Date: N.A
Operator: LEW
Sample ID: LCSD
Lab ID:
Matrix: Soil Gas
Date Sampled: NA
Method: 8260

ANALYTES	RESULTS	UNITS	SPIKE AMOUNT	% Rec	% RSD
Vinyl chloride	54	ug/L	50	108%	0%
1,1-Dichloroethene	58	ug/L	50	116%	-2%
trans-1,2-Dichloroethene	53	ug/L	50	106%	2%
1,1-Dichloroethane	50	ug/L	50	100%	0%
cis-1,2-Dichloroethene	55	ug/L	50	110%	2%
Chloroform	56	ug/L	50	112%	0%
1,1,1-Trichloroethane	57	ug/L	50	114%	0%
Benzene	52	ug/L	50	104%	0%
1,2-Dichloroethane	52	ug/L	50	104%	-2%
Trichloroethene	54	ug/L	50	108%	0%
Toluene	56	ug/L	50	112%	2%
Tetrachloroethene	54	ug/L	50	108%	4%
Ethylbenzene	46	ug/L	50	92%	2%
Xylenes (total)	143	ug/L	150	95%	1%
Surrogates			**Spike Amount**	**% Rec**	**% RSD**
Dibromofluoromethane	53	ug/L	50	106%	0%
1,2-Dichloroethane d4	53	ug/L	50	106%	0%
Toluene d8	53	ug/L	50	106%	4%
Bromofluorobenzene	47	ug/L	50	94%	0%
Volume Injected	25	mL			

Reporting Limit is adjusted for sample volume
Analytical results meet all requirements of NELAC Standards

New Age/Landmark
Mobile Laboratory Services
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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9015
Analysis Date: 25-Aug-04
Preservation Date: N A
Operator: LEW
Sample ID: CCV @ 50 NG
Lab ID:
Matrix: Soil Gas
Date Sampled: NA
Method: 8260

ANALYTES	RESULTS	UNITS	SPIKE AMOUNT	% Rec
Vinyl chloride	50	ug/L	50	100%
1,1-Dichloroethene	53	ug/L	50	106%
trans-1,2-Dichloroethene	48	ug/L	50	96%
1,1-Dichloroethane	48	ug/L	50	96%
cis-1,2-Dichloroethene	51	ug/L	50	102%
Chloroform	53	ug/L	50	106%
1,1,1-Trichloroethane	55	ug/L	50	110%
Benzene	49	ug/L	50	98%
1,2-Dichloroethane	50	ug/L	50	100%
Trichloroethene	51	ug/L	50	102%
Toluene	53	ug/L	50	106%
Tetrachloroethene	52	ug/L	50	104%
Ethylbenzene	44	ug/L	50	88%
Xylenes (total)	140	ug/L	150	93%
Surrogates			**Spike Amount**	**% Rec**
Dibromofluoromethane	53	ug/L	50	106%
1,2-Dichloroethane d4	54	ug/L	50	108%
Toluene d8	54	ug/L	50	108%
Bromofluorobenzene	49	ug/L	50	98%

Volume Injected

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9029
Analysis Date: 25-Aug-04
Preservation Date: N A
Operator: LEW
Sample ID: CCV @ 50 NG
Lab ID:
Matrix: Soil Gas
Date Sampled: NA
Method: 8260

ANALYTES	RESULTS	UNITS	SPIKE AMOUNT	% Rec
Vinyl chloride	47	ug/L	50	94%
1,1-Dichloroethene	54	ug/L	50	108%
trans-1,2-Dichloroethene	48	ug/L	50	96%
1,1-Dichloroethane	51	ug/L	50	102%
cis-1,2-Dichloroethene	50	ug/L	50	100%
Chloroform	54	ug/L	50	108%
1,1,1-Trichloroethane	54	ug/L	50	108%
Benzene	48	ug/L	50	96%
1,2-Dichloroethane	51	ug/L	50	102%
Trichloroethene	50	ug/L	50	100%
Toluene	48	ug/L	50	96%
Tetrachloroethene	46	ug/L	50	92%
Ethylbenzene	42	ug/L	50	84%
Xylenes (total)	127	ug/L	150	85%
Surrogates			**Spike Amount**	**% Rec**
Dibromofluoromethane	54	ug/L	50	108%
1,2-Dichloroethane d4	56	ug/L	50	112%
Toluene d8	51	ug/L	50	102%
Bromofluorobenzene	50	ug/L	50	100%

Volume Injected

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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125 So. Wacker Dr., Ste. 600
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Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9017
Analysis Date: 25-Aug-04
Preservation Date: N.A
Operator: LEW
Sample ID: Method Blank
Lab ID: N/A
Matrix: Soil Gas
Date Sampled: NA
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates			Spike Amount	%Rec
Dibromofluoromethane	53		50	106%
1,2-Dichloroethane d4	51		50	102%
Toluene d8	49		50	98%
Bromofluorobenzene	48		50	96%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9030
Analysis Date: 25-Sep-04
Preservation Date: N.A
Operator: LEW
Sample ID: Method Blank
Lab ID: N/A
Matrix: Soil Gas
Date Sampled: NA
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates			Spike Amount	%Rec
Dibromofluoromethane	54		50	108%
1,2-Dichloroethane d4	53		50	106%
Toluene d8	49		50	98%
Bromofluorobenzene	52		50	104%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9049
Analysis Date: 26-Aug-04
Preservation Date: N A.
Operator: LEW
Sample ID: A7-SG-24A
Lab ID: 04098-21
Matrix: Soil Gas
Date Sampled: 26-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	220		ppbv	49
cis-1,2-Dichloroethene	840		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	420		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates			Spike Amount	%Rec
Dibromofluoromethane	53		50	106%
1,2-Dichloroethane d4	51		50	102%
Toluene d8	49		50	98%
Bromofluorobenzene	48		50	96%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9050
Analysis Date: 26-Aug-04
Preservation Date: N A.
Operator: LEW
Sample ID: A7-SG-32A
Lab ID: 04098-22
Matrix: Soil Gas
Date Sampled: 26-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	120		ppbv	49
cis-1,2-Dichloroethene	300		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	200		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	56	50	112%
1,2-Dichloroethane d4	54	50	108%
Toluene d8	48	50	96%
Bromofluorobenzene	48	50	96%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9051
Analysis Date: 26-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-33A
Lab ID: 04098-23
Matrix: Soil Gas
Date Sampled: 26-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates			Spike Amount	%Rec
Dibromofluoromethane	57		50	114%
1,2-Dichloroethane d4	57		50	114%
Toluene d8	47		50	94%
Bromofluorobenzene	47		50	94%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9052
Analysis Date: 26-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-34A
Lab ID: 04098-24
Matrix: Soil Gas
Date Sampled: 26-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	54	50	108%
1,2-Dichloroethane d4	53	50	106%
Toluene d8	49	50	98%
Bromofluorobenzene	48	50	96%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

New Age/Landmark
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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9053
Analysis Date: 26-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-35A
Lab ID: 04098-25
Matrix: Soil Gas
Date Sampled: 26-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates			Spike Amount	%Rec
Dibromofluoromethane	54		50	108%
1,2-Dichloroethane d4	52		50	104%
Toluene d8	49		50	98%
Bromofluorobenzene	49		50	98%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9054
Analysis Date: 26-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-36A
Lab ID: 04098-26
Matrix: Soil Gas
Date Sampled: 26-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	53	50	106%
1,2-Dichloroethane d4	53	50	106%
Toluene d8	48	50	96%
Bromofluorobenzene	47	50	94%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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125 So. Wacker Dr., Ste. 600
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ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9055
Analysis Date: 26-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-37A
Lab ID: 04098-27
Matrix: Soil Gas
Date Sampled: 26-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates			Spike Amount	%Rec
Dibromofluoromethane	55		50	110%
1,2-Dichloroethane d4	55		50	110%
Toluene d8	48		50	96%
Bromofluorobenzene	47		50	94%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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125 So. Wacker Dr., Ste. 600
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ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9056
Analysis Date: 26-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-38A
Lab ID: 04098-28
Matrix: Soil Gas
Date Sampled: 26-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates			Spike Amount	%Rec
Dibromofluoromethane	54		50	108%
1,2-Dichloroethane d4	55		50	110%
Toluene d8	49		50	98%
Bromofluorobenzene	49		50	98%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

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125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9059
Analysis Date: 26-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-18A
Lab ID: 04098-29
Matrix: Soil Gas
Date Sampled: 26-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	3850
1,1-Dichloroethene	ND		ppbv	1240
trans-1,2-Dichloroethene	ND		ppbv	1240
1,1-Dichloroethane	12,000		ppbv	1215
cis-1,2-Dichloroethene	10,000		ppbv	1240
Chloroform	ND		ppbv	1008
1,1,1-Trichloroethane	140,000		ppbv	900
Benzene	ND		ppbv	1540
1,2-Dichloroethane	ND		ppbv	1215
Trichloroethene	ND		ppbv	915
Toluene	ND		ppbv	1305
Tetrachloroethene	ND		ppbv	725
Ethylbenzene	ND		ppbv	1135
Xylenes (total)	ND		ppbv	1135

Surrogates			Spike Amount	%Rec
Dibromofluoromethane	56		50	112%
1,2-Dichloroethane d4	55		50	110%
Toluene d8	49		50	98%
Bromofluorobenzene	48		50	96%

Volume Injected	1	mL

Reporting Limit is adjusted for sample volume
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.	Data file: NALJ9058
125 So. Wacker Dr., Ste. 600	Analysis Date: 26-Aug-04
Chicago, IL 60606	Preservation Date: N A
ATTN: John Grabs	Operator: LEW
	Sample ID: A7-SG-25A
	Lab ID: 04098-30
Project #: NAL04-098	Matrix: Soil Gas
Project Site: Rockford, IL	Date Sampled: 26-Aug-04
	Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates		Spike Amount	%Rec
Dibromofluoromethane	56	50	112%
1,2-Dichloroethane d4	57	50	114%
Toluene d8	47	50	94%
Bromofluorobenzene	47	50	94%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

New Age/Landmark
Mobile Laboratory Services
667 West Main Street
Benton Harbor, MI 49002
Phone (616) 927-3004 Fax (616) 927-3411

ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9057
Analysis Date: 26-Aug-04
Preservation Date: N.A.
Operator: LEW
Sample ID: A7-SG-39A
Lab ID: 04098-31
Matrix: Soil Gas
Date Sampled: 26-Aug-04
Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates			Spike Amount	%Rec
Dibromofluoromethane	55		50	110%
1,2-Dichloroethane d4	53		50	106%
Toluene d8	48		50	96%
Bromofluorobenzene	48		50	96%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

New Age/Landmark
Laboratory Services
667 West Main Street
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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9046
Analysis Date: 26-Aug-04
Preservation Date: N/A
Operator: LEW
Sample ID: A7-SG-24A (MS)
Lab ID: 04098-21
Matrix: Soil Gas
Date Sampled: 26-Aug-04
Method: 8260

ANALYTES	RESULTS	SAMPLE RESULTS	UNITS	SPIKE AMOUNT	% Rec
Vinyl chloride	51	0	ug/L	50	102%
1,1-Dichloroethene	54	0	ug/L	50	108%
ns-1,2-Dichloroethene	51	0	ug/L	50	102%
1,1-Dichloroethane	52	4.6	ug/L	50	95%
cis-1,2-Dichloroethene	68	17	ug/L	50	102%
Chloroform	54	0	ug/L	50	108%
1,1,1-Trichloroethane	65	12	ug/L	50	106%
Benzene	51	0	ug/L	50	102%
1,2-Dichloroethane	52	0	ug/L	50	104%
Trichloroethene	53	0	ug/L	50	106%
Toluene	53	0	ug/L	50	106%
Tetrachloroethene	48	0	ug/L	50	96%
Ethylbenzene	48	0	ug/L	50	96%
Xylenes (total)	148	0	ug/L	150	99%

Surrogates			Spike Amount	% Rec
Dibromofluoromethane	53	ug/L	50	106%
1,2-Dichloroethane d4	53	ug/L	50	106%
Toluene d8	51	ug/L	50	102%
Bromofluorobenzene	49	ug/L	50	98%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume
Analytical results meet all requirements of NELAC Standards

New Age/Landmark
Mobile Laboratory Services
667 West Main Street
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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9047
Analysis Date: 26-Aug-04
Preservation Date: N/A
Operator: LEW
Sample ID: A7-SG-24A (MSD)
Lab ID: 04098-21
Matrix: Soil Gas
Date Sampled: 26-Aug-04
Method: 8260

ANALYTES	RESULTS	SAMPLE RESULTS	UNITS	SPIKE AMOUNT	% Rec	% RSD
Vinyl chloride	51	0	ug/L	50	102%	0%
1,1-Dichloroethene	52	0	ug/L	50	104%	-4%
ns-1,2-Dichloroethene	53	0	ug/L	50	106%	4%
ı,1-Dichloroethane	55	4.6	ug/L	50	101%	6%
cis-1,2-Dichloroethene	66	17	ug/L	50	98%	-4%
Chloroform	55	0	ug/L	50	110%	2%
1,1,1-Trichloroethane	62	12	ug/L	50	100%	-6%
Benzene	51	0	ug/L	50	102%	0%
1,2-Dichloroethane	52	0	ug/L	50	104%	0%
Trichloroethene	53	0	ug/L	50	106%	0%
Toluene	55	0	ug/L	50	110%	4%
Tetrachloroethene	49	0	ug/L	50	98%	2%
Ethylbenzene	49	0	ug/L	50	98%	2%
Xylenes (total)	148	0	ug/L	150	99%	0%

Surrogates				Spike Amount	% Rec	% RSD
Dibromofluoromethane	53		ug/L	50	106%	0%
1,2-Dichloroethane d4	54		ug/L	50	108%	2%
Toluene d8	53		ug/L	50	106%	4%
Bromofluorobenzene	49		ug/L	50	98%	0%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

New Age/Landmark
Mobile Laboratory Services
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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9044
Analysis Date: 26-Sep-04
Preservation Date: N.A.
Operator: LEW
Sample ID: LCS
Lab ID:
Matrix: Soil Gas
Date Sampled: NA
Method: 8260

ANALYTES	RESULTS	UNITS	SPIKE AMOUNT	% Rec
Vinyl chloride	54	ug/L	50	108%
1,1-Dichloroethene	57	ug/L	50	114%
trans-1,2-Dichloroethene	55	ug/L	50	110%
1,1-Dichloroethane	56	ug/L	50	112%
cis-1,2-Dichloroethene	58	ug/L	50	116%
Chloroform	60	ug/L	50	120%
1,1,1-Trichloroethane	59	ug/L	50	118%
Benzene	54	ug/L	50	108%
1,2-Dichloroethane	56	ug/L	50	112%
Trichloroethene	57	ug/L	50	114%
Toluene	57	ug/L	50	114%
Tetrachloroethene	53	ug/L	50	106%
Ethylbenzene	53	ug/L	50	106%
Xylenes (total)	158	ug/L	150	105%
Surrogates			**Spike Amount**	**% Rec**
Dibromofluoromethane	53	ug/L	50	106%
1,2-Dichloroethane d4	54	ug/L	50	108%
Toluene d8	52	ug/L	50	104%
Bromofluorobenzene	50	ug/L	50	100%
Volume Injected	25	mL		

Reporting Limit is adjusted for sample volume
Analytical results meet all requirements of NELAC Standards

New Age/Landmark
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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9045
Analysis Date: 26-Sep-04
Preservation Date: N.A.
Operator: LEW
Sample ID: LCSD
Lab ID:
Matrix: Soil Gas
Date Sampled: NA
Method: 8260

ANALYTES	RESULTS	UNITS	SPIKE AMOUNT	% Rec	% RSD
Vinyl chloride	55	ug/L	50	110%	2%
1,1-Dichloroethene	57	ug/L	50	114%	0%
trans-1,2-Dichloroethene	55	ug/L	50	110%	0%
1,1-Dichloroethane	53	ug/L	50	106%	-6%
cis-1,2-Dichloroethene	55	ug/L	50	110%	-5%
Chloroform	59	ug/L	50	118%	-2%
1,1,1-Trichloroethane	59	ug/L	50	118%	0%
Benzene	54	ug/L	50	108%	0%
1,2-Dichloroethane	55	ug/L	50	110%	-2%
Trichloroethene	55	ug/L	50	110%	-4%
Toluene	56	ug/L	50	112%	-2%
Tetrachloroethene	53	ug/L	50	106%	0%
Ethylbenzene	49	ug/L	50	98%	-8%
Xylenes (total)	153	ug/L	150	102%	-3%
Surrogates			**Spike Amount**	**% Rec**	**% RSD**
Dibromofluoromethane	54	ug/L	50	108%	2%
1,2-Dichloroethane d4	54	ug/L	50	108%	0%
Toluene d8	53	ug/L	50	106%	2%
Bromofluorobenzene	48	ug/L	50	96%	-4%
Volume Injected	25	mL			

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards

New Age/Landmark
Mobile Laboratory Services
667 West Main Street
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ANALYTICAL REPORT

Camp, Dresser & McKee, Inc.
125 So. Wacker Dr., Ste. 600
Chicago, IL 60606
ATTN: John Grabs

Project #: NAL04-098
Project Site: Rockford, IL

Data file: NALJ9043
Analysis Date: 26-Aug-04
Preservation Date: N.A
Operator: LEW
Sample ID: CCV @ 50 NG
Lab ID:
Matrix: Soil Gas
Date Sampled: NA
Method: 8260

ANALYTES	RESULTS	UNITS	SPIKE AMOUNT	% Rec
Vinyl chloride	56	ug/L	50	112%
1,1-Dichloroethene	58	ug/L	50	116%
trans-1,2-Dichloroethene	54	ug/L	50	108%
1,1-Dichloroethane	52	ug/L	50	104%
cis-1,2-Dichloroethene	55	ug/L	50	110%
Chloroform	56	ug/L	50	112%
1,1,1-Trichloroethane	59	ug/L	50	118%
Benzene	52	ug/L	50	104%
1,2-Dichloroethane	55	ug/L	50	110%
Trichloroethene	55	ug/L	50	110%
Toluene	55	ug/L	50	110%
Tetrachloroethene	51	ug/L	50	102%
Ethylbenzene	50	ug/L	50	100%
Xylenes (total)	153	ug/L	150	102%
Surrogates			**Spike Amount**	**% Rec**
Dibromofluoromethane	54	ug/L	50	108%
1,2-Dichloroethane d4	55	ug/L	50	110%
Toluene d8	52	ug/L	50	104%
Bromofluorobenzene	49	ug/L	50	98%

Volume Injected

Reporting Limit is adjusted for sample volume
Analytical results meet all requirements of NELAC Standards

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ANALYTICAL REPORT

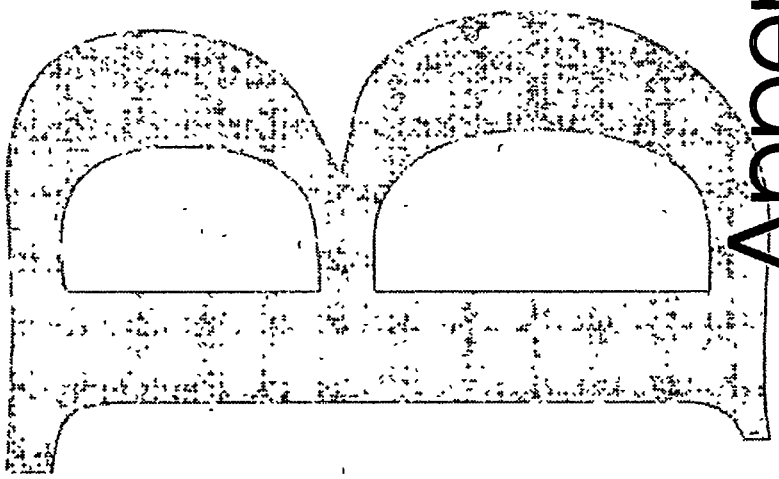
Camp, Dresser & McKee, Inc.	Data file: NALJ9048
125 So. Wacker Dr., Ste. 600	Analysis Date: 26-Aug-04
Chicago, IL 60606	Preservation Date: N.A
ATTN: John Grabs	Operator: LEW
	Sample ID: Method Blank
	Lab ID: N/A
Project #: NAL04-098	Matrix: Soil Gas
Project Site: Rockford, IL	Date Sampled: NA
	Method: 8260

ANALYTES	RESULTS	QC	UNITS	REPORTING LIMIT (a)
Vinyl chloride	ND		ppbv	154
1,1-Dichloroethene	ND		ppbv	50
trans-1,2-Dichloroethene	ND		ppbv	50
1,1-Dichloroethane	ND		ppbv	49
cis-1,2-Dichloroethene	ND		ppbv	50
Chloroform	ND		ppbv	40
1,1,1-Trichloroethane	ND		ppbv	36
Benzene	ND		ppbv	62
1,2-Dichloroethane	ND		ppbv	49
Trichloroethene	ND		ppbv	37
Toluene	ND		ppbv	52
Tetrachloroethene	ND		ppbv	29
Ethylbenzene	ND		ppbv	45
Xylenes (total)	ND		ppbv	45

Surrogates			Spike Amount	%Rec
Dibromofluoromethane	54		50	108%
1,2-Dichloroethane d4	50		50	100%
Toluene d8	48		50	96%
Bromofluorobenzene	49		50	98%

Volume Injected	25	mL

Reporting Limit is adjusted for sample volume.
Analytical results meet all requirements of NELAC Standards



Appendix B

Appendix B
Bore Logs for Direct Push and Monitoring Well Borings

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-01

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-30-04 **End:** 8-30-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 20
Depth to Initial Water Level (ft. BGS): 16
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
			0					Topsoil, brown, soft, moist
GP	1a	24/21		208				Sand, fine to medium grained, yellowish brown, loose, moist, trace silt and gravel
GP	1b	24/21		439				
								Sandy silt, yellowish brown, firm, moist, trace clay
GP	2a	24/20	5	1504				Sand, fine to medium grained, yellowish brown, loose, dry to moist
GP	2b	24/20		1057				Sandy silt, grayish brown, firm, moist, trace clay
GP	3a	24/24		476				Sand, fine to coarse grained, yellowish brown, loose, moist, trace gravel
GP	3b	24/24	10	120				
GP	4a	24/21		>10,000				Sand, orangish brown, loose, moist, solvent-like odor
GP	4b	24/21	15	>10,000				Sand, yellowish brown, loose, moist, solvent-like odor
GP	5a	24/22		1520				Sand, yellowish brown, loose, wet, slight solvent-like odor, little silt
GP	5b	24/22		450				

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-01A from 4 to 6 ft BGS, and A7-GP-01B from 14 to 16 ft BGS, and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: **Date:**

BL AREA7P-1.GPJ CDM_CORP.GDT 8/18/05

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-02

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-30-04 **End:** 8-30-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 12
Depth to Initial Water Level (ft. BGS): 10
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
GP	1a	24/12	0	10.8				Topsoil, dark brown, soft, moist
GP	1b	24/12		18.7				Sandy silt, dark brown, soft, moist, trace clay
GP	2a	24/18	5	1223				Sand, fine to medium grained, dark yellowish brown, loose, saturated with product, strong solvent-like odor
GP	2b	24/18		>10,000				Sand, fine to medium grained, black, loose, saturated with product, strong solvent-like odor
GP	3a	24/18		>10,000				Sandy silt, yellowish brown, soft to firm, moist to wet, strong solvent-like odor Sand, fine to medium grained, black, loose, wet, little silt, free product staining.
GP	3b	24/18	10	>10,000				Sandy silt, yellowish brown, soft to firm, wet, trace clay and gravel, free product staining
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-02A from 6 to 8 ft BGS and submitted to laboratory for analysis of target analyte list VOCs. Free product clear in color, hydrophobic, and has strong solvent-like odor.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-03

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-30-04 **End:** 8-30-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 8
Depth to Initial Water Level (ft. BGS): 5
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
			0					Topsoil, brown, soft, moist
GP	1a	24/24		>10,000				Sandy silt, yellowish brown, moist, soft, some clay
GP	1b	24/24		>10,000				
								Sand, fine grained, yellowish brown, loose, moist, little gravel
GP	2a	24/18	5	1836				Sand, fine to coarse grained, yellowish brown, loose, wet, little gravel
GP	2b	24/18		1551				
			10					
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS.
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES.
AS - Auger/Grab Sample
CS - California Sampler
BX - 1 5" Rock Core
NX - 2 1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-03A from 0 to 2 ft BGS and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-04

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-30-04 **End:** 8-30-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 12
Depth to Initial Water Level (ft. BGS): 7.5
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
			0					
GP	1a	24/21		>10,000				Topsoil, dark brown, soft, moist
GP	1b	24/21		20.8				Sandy silt, yellowish brown, soft, moist, trace gravel
GP	2a	24/24	5	143				Sandy clay, grayish yellow, soft, moist to wet, some gravel
GP	2b	24/24		201				2-inch sand seam at 6.5 ft BGS
								Sandy clay, grayish yellow, soft, wet, some gravel
GP	3a	24/21		105				Sandy silt, grayish yellow, firm, wet, some gravel and clay
GP	3b	24/21	10	113				
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES:
AS - Auger/Grab Sample
CS - California Sampler
8X - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-04A from 0 to 2 ft BGS and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-05

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-30-04 **End:** 8-30-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 12
Depth to Initial Water Level (ft. BGS): 8
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
			0					Topsoil, brown, soft, dry to moist
GP	1a	24/21		2.3				Sandy silt, yellowish brown, soft, moist to wet, some gravel and clay
GP	1b	24/21		1884				
GP	2a	24/18	5	1208				
GP	2b	24/18		130				
GP	3a	24/20		105				Sandy silt, yellowish brown, soft, wet, some gravel and clay
GP	3b	24/20	10	18.2				Sandy silt, yellowish brown, firm, wet, some gravel and clay
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-05A from 2 to 4 ft BGS and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-17

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-31-04 **End:** 8-31-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 8
Depth to Initial Water Level (ft. BGS): 6
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
			0					Topsoil, brown, soft, moist
GP	1a	24/21		5.1				Sand and Gravel Fill, brownish black, loose, moist, asphalt and concrete pieces
GP	1b	24/21		4.9				Sandy silt, yellowish brown, firm, moist, some gravel and clay
								Gravel, light yellowish brown, loose, moist to wet
GP	2a	24/12	5	5.2				Sandy silt, yellowish brown, firm, moist to wet, some gravel and clay
GP	2b	24/12		4.5				Sandy silt, yellowish brown, soft to firm, wet, some gravel and clay
			10					
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES:
AS - Auger/Grab Sample
CS - California Sampler
BX - 1 5" Rock Core
NX - 2 1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER.
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-17A from 4 to 6 ft BGS and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-18

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-30-04 **End:** 8-30-04
Borehole Coordinates:
N E

Surface Elevation (ft.): -
Total Depth (ft.): 4
Depth to Initial Water Level (ft. BGS): 3
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
			0					Topsoil, dark brown, soft, moist
GP	1a	24/22		923				Sand, fine to medium grained, dark orangish brown, loose, moist, solvent-like odor
GP	1b	24/22		4908				Sand, fine to medium grained, yellowish gray, wet, little silt
			5					
			10					
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1 5" Rock Core
NX - 2 1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-18A from 2 to 4 ft BGS and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-19

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-30-04 **End:** 8-30-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 12
Depth to Initial Water Level (ft. BGS): 7
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
			0					Topsoil, brown, soft, moist, organics and glass fragments
GP	1a	24/22		2.8				Silty sand, yellowish brown, soft, moist
GP	1b	24/22		127				
GP	2a	24/24	5	10.9				Sand, fine to medium grained, orangish yellow, loose, moist
								Silty sand, yellowish gray, soft, moist to wet, trace gravel and clay
GP	2b	24/24		20.5				Silty sand, yellowish gray, firm, wet, some gravel
GP	3a	24/22		12.4				
GP	3b	24/22	10	5.3				
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-19A from 2 to 4 ft BGS and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: **Date:**

CAMP DRESSER & McKEE
CDM
125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-20

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-30-04 **End:** 8-30-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 11
Depth to Initial Water Level (ft. BGS):
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
			0					Topsoil, brown, soft, moist
GP	1a	24/22		12.8				Sand and Gravel, fine to coarse grained, yellowish brown, loose, dry to moist
GP	1b	24/22		40.2				
GP	2a	24/18	5	13.7				Sand and Gravel, fine to coarse grained, yellowish brown, loose, moist to wet
GP	2b	24/18		12.8				
GP	3a	24/8		13.2				
GP	3b	12/4	10	NS				
								Refusal at 11' BGS, granite stone in sampler end.
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-20A from 2 to 4 ft BGS and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-23

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-30-04 **End:** 8-30-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 12
Depth to Initial Water Level (ft. BGS): 8.5
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
GP	1a	24/20	0	150				Topsoil, brown, moist, soft
GP	1b	24/20		20.8				Sand, fine to medium grained, orangish brown, loose, dry to moist
GP	2a	24/22	5	18.7				
GP	2b	24/22		17.2				
GP	3a	24/24		11.8				Sand, fine to medium grained, orangish brown, loose, wet
GP	3b	24/24	10	9.7				Sandy silt, yellowish gray, firm, moist to wet, some clay
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1 5" Rock Core
NX - 2 1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-23A from 0 to 2 ft BGS and A7-GP-23A (D) from 0 to 2 ft BGS, and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-24

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-31-04 **End:** 8-31-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 8
Depth to Initial Water Level (ft. BGS): 6
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
GP	1a	24/21	0	430				Topsoil, brown, soft, moist
GP	1b	24/21		3000				Sandy silt, yellowish brown, soft to firm, moist, some gravel, trace clay
GP	2a	24/24	5	200				
GP	2b	24/24		437				Sandy silt, yellowish brown, soft, wet, some gravel, trace clay
			10					
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1 5" Rock Core
NX - 2 1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-24A from 2 to 4 ft BGS and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-25

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-31-04 **End:** 8-31-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 8
Depth to Initial Water Level (ft. BGS): 6
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
			0					Topsoil, brown, soft, moist
GP	1a	24/18		2.3				Sandy silt, brownish gray, soft, moist
GP	1b	24/18		4.0				
GP	2	48/6	5	NS				Sand and Gravel, yellowish brown, loose, wet, low recovery
			10					
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-25A from 2 to 4 ft BGS and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-32

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-31-04 **End:** 8-31-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 8
Depth to Initial Water Level (ft. BGS): 3.5
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
GP	1a	24/20	0	1250				Topsoil, brown, soft, moist
GP	1b	24/20		>10,000				Sand, fine to medium grained, yellowish brown, moist, solvent-like odor
GP	2a	24/18	5	480				Sand silty, yellowish brown, soft to firm, wet, some gravel, little clay
GP	2b	24/18		200				
			10					
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS.
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES·
AS - Auger/Grab Sample
CS - California Sampler
BX - 1 5" Rock Core
NX - 2 1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-32A from 2 to 4 ft BGS and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-33

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-31-04 **End:** 8-31-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 8
Depth to Initial Water Level (ft. BGS): 4
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
			0					Topsoil, brownish black, soft, moist
GP	1a	24/18		4.3				Sandy silt, orangish brown, soft to firm, moist, slight solvent-like odor, little gravel, trace clay
GP	1b	24/18		50.8				
								Sand, fine grained, orangish gray, loose, wet, trace silt
GP	2a	24/21	5	4.7				Sandy silt, yellowish brown, soft to firm, moist to wet, little clay
GP	2b	24/21		3.2				
			10					
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1 5" Rock Core
NX - 2 1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-33A from 2 to 4 ft BGS and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-34

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-31-04 **End:** 8-31-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 8
Depth to Initial Water Level (ft. BGS): 5
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
			0					Topsoil, brownish black, soft, moist
GP	1a	24/22		2.1				Sandy silt, yellowish brown, soft to firm, moist, little gravel and clay
GP	1b	24/22		4.2				
GP	2a	24/18	5	2.8				Sandy silt, yellowish brown, firm, wet, little gravel and clay
GP	2b	24/18		1.7				Silt, yellowish brown, soft to firm, wet
			10					
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1 5" Rock Core
NX - 2 1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-34A from 2 to 4 ft BGS and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-36

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-31-04 **End:** 8-31-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 8
Depth to Initial Water Level (ft. BGS): 4
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
GP	1a	24/22	0	2.3				Topsoil, brown, soft to firm, moist
GP	1b	24/22		2.8				Sand and Gravel, yellowish brown, loose, moist to wet
GP	2a	24/19	5	1.9				Sand and Gravel, yellowish brown, loose, wet
GP	2b	24/19		1.7				Sand, yellowish brown, loose, wet, trace gravel and silt
			10					
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- HA - Hand Auger
- AR - Air Rotary
- DTR - Dual Tube Rotary
- FR - Foam Rotary
- MR - Mud Rotary
- RC - Reverse Circulation
- CT - Cable Tool
- JET - Jetting
- D - Driving
- DTC - Drill Through Casing

SAMPLING TYPES.
- AS - Auger/Grab Sample
- CS - California Sampler
- BX - 1.5" Rock Core
- NX - 2 1" Rock Core
- GP - Geoprobe
- HP - Hydro Punch
- SS - Split Spoon
- ST - Shelby Tube
- WS - Wash Sample

OTHER
- AGS - Above Ground Surface

REMARKS

Sampled A7-GP-36A from 2 to 4 ft BGS and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-37

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-31-04 **End:** 8-31-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 8
Depth to Initial Water Level (ft. BGS): 4
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
GP	1a	24/20	0	10.8				Topsoil, brownish black, soft, moist
GP	1b	24/20		5.4				Sand and Gravel, light yellowish brown, moist to wet, trace brick
GP	2	48/4	5	-				Sand and Gravel, wet - low recovery due to stone lodged in sample barrel
			10					
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS.
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES·
AS - Auger/Grab Sample
CS - California Sampler
BX - 1 5" Rock Core
NX - 2 1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-37A from 0 to 2 ft BGS and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-40

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Macrocore/Geoprobe
Drillers: Corey Johnson
Drilling Date: Start: 8-31-04 **End:** 8-31-04
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 2.5
Depth to Initial Water Level (ft. BGS): 1
Abandonment Method: Bentonite
Field Screening Instrument: PID - MiniRae
Logged By: David de Courcy-Bower

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
GP	1	30/28	0	2.2				Topsoil, brown, soft, moist Sandy silt, brown, soft, moist, some clay Sandy silt, yellowish brown, soft, wet, little gravel and clay
			5					
			10					
			15					

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS.
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES.
AS - Auger/Grab Sample
CS - California Sampler
BX - 1 5" Rock Core
NX - 2 1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Sampled A7-GP-40A from 0 to 2 ft BGS and submitted to laboratory for analysis of target analyte list VOCs

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-101

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Direct Push/Geoprobe
Drillers: Dave Paulson
Drilling Date: Start: 4-26-05 **End:** 4-26-05
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 20
Depth to Initial Water Level (ft. BGS):
Abandonment Method: Bentonite to Surface
Field Screening Instrument: PID - MiniRae
Logged By: Daniel Cooper

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
GP	1	48/42	0	0.0	—		SM	Silty SAND to sandy SILT, dark brown, moist, no odor, organics 0-.5'
							SP	Fine SAND, moderate yellowish-brown, with trace gravel, some silt, dry to moist, gravel up to 1" subrounded
GP	2	48/48	5	0.0	—		ML	Clayey SILT, yellowish-brown and gray, moist
							SP	Fine SAND, yellowish-brown, moist to wet @ 7', some medium sand @ 8'
GP	3	48/44	10	22.0	—		SM	Silty SAND, yellowish-brown, trace gravel, moist
							SP	Medium to coarse SAND with gravel, yellowish-brown, moist, no visible staining
GP	4	48/42	15	41.9	—			Finer SAND but still few fines
GP	5	48/48		35.0	—		SP	Same as above, wet @ 17', fine SAND, very little gravel, yellowish-brown
								End of boring @ 20 feet bgs.

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES.
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER:
AGS - Above Ground Surface

REMARKS

Located at edge of park property, northeast of MW134 wells.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-102

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Direct Push/Geoprobe
Drillers: Dave Paulson
Drilling Date: Start: 4-26-05 **End:** 4-26-05
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 16
Depth to Initial Water Level (ft. BGS):
Abandonment Method: Bentonite to Surface
Field Screening Instrument: PID - MiniRae
Logged By: Daniel Cooper

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
GP	1	48/48	0	0.0	—		SM	Silty SAND, dark brown, trace gravel, moist, no odor, some iron staining, some pieces of glass
							ML	Clayey SILT, dark brown, trace gravel, moist
GP	2	48/40	5	2000+	—			Fine SAND, yellowish-brown with some gray, trace gravel, strong solvent odor begining @ 5' bgs
GP	3	48/42	10	2000+ 2000+	—			Silty SAND to medium sand, strong odor Staining @ 11' (2" thick)
GP	4	48/45	15	2000+	—			Staining from 12-13', fine SAND, strong odor and sheen, wet @ 13'
								End of boring @ 16 feet bgs.

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES:
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER:
AGS - Above Ground Surface

REMARKS

Sample GP102 from 12-13 feet bgs.

Located: 72 feet east of GP101.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-103

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Direct Push/Geoprobe
Drillers: Dave Paulson
Drilling Date: Start: 4-26-05 End: 4-26-05
Borehole Coordinates:
N E
Surface Elevation (ft.):
Total Depth (ft.): 12
Depth to Initial Water Level (ft. BGS):
Abandonment Method: Bentonite to Surface
Field Screening Instrument: PID - MiniRae
Logged By: Daniel Cooper

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
			0		—		ML-SM	Silty SAND and sandy SILT with organics, moist, poor recovery
GP	1	48/16		0.0				Plastic @ 18-inches - borehole open (no recovery to 4 feet bgs)
GP	2	48/48	5	0.0	—		SP	Fine to medium SAND, moist to wet, trace gravel, no odor Slight odor @ 6'
				0.0			ML	Clayey SILT, silty CLAY, moist, slight odor to no odor
GP	3	48/48	10	0.0	—		SP	Fine SAND, yellowish-brown, trace gravel, no odor
			15					End of boring @ 12 feet bgs.

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS.
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES:
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER.
AGS - Above Ground Surface

REMARKS

Located: 42 feet east of GP102.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-104

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Direct Push/Geoprobe
Drillers: Dave Paulson
Drilling Date: Start: 4-26-05 End: 4-26-05
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 12
Depth to Initial Water Level (ft. BGS):
Abandonment Method: Bentonite to Surface
Field Screening Instrument: PID - MiniRae
Logged By: Daniel Cooper

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
GP	1	48/44	0	0.0	—		SM	Silty SAND, dark brown, some organics, moist, no odor glass pieces present, iron staining @ 3'
							SP	Fine SAND with silt, yellowish-brown
GP	2	48/48	5	1180	—		SM	medium to coarse SAND and GRAVEL, product staining, dark gray
							SM	Silty SAND, light gray, strong odor
GP	3	48/42	10	1265	—		SP	Fine SAND, yellowish-brown, strong odor @ 10.5 feet - dark gray to black staining (6-inches thick)
							ML	SILT 11.5-12'
			15					End of boring @ 12 feet bgs.

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2 1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER:
AGS - Above Ground Surface

REMARKS

Sample GP104 from 5-6' bgs. Duplicate sample taken.

Located: 56 feet east of GP101.

Reviewed by: **Date:**

CAMP DRESSER & McKEE
CDM
125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-105

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Direct Push/Geoprobe
Drillers: Dave Paulson
Drilling Date: Start: 4-26-05 End: 4-26-05
Borehole Coordinates:
N E
Surface Elevation (ft.):
Total Depth (ft.): 24
Depth to Initial Water Level (ft. BGS):
Abandonment Method: Bentonite to Surface
Field Screening Instrument: PID - MiniRae
Logged By: Daniel Cooper

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
GP	1	48/48	0	0.0	—		SM	Silty SAND, dark brown, trace gravel, organics to 1.5' bgs, moist, no odor
GP	2	48/36	5	0.0	—		SP	Medium SAND, gravel up to 1.5" diameter, yellowish-brown, moist, no odor
							ML	Sandy SILT, brown, moist
GP	3	48/48	10	0.0	—		SP	Fine to coarse SAND with gravel, yellowish-brown, moist, no odor
GP	4	48/48	15	0.0	—		SP	same as above
GP	5	48/48		0.0	—		SP	Coarse SAND 17-18' 3" GRAVEL Zone @ 18' Finer SAND 19-20'

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS.
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES:
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER:
AGS - Above Ground Surface

REMARKS

Located:
16 feet west of Tennis Court fence.
15 feet north of south end of court.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-105

Client: IEPA
Project Name: SE Rockford - Area 7
Project Location: Rockford, Illinois
Project Number: 1681-42853

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
			20				SP	
GP	6	48/36		12.0			SP	Wet @ 22' with slight odor
								End of boring @ 12 feet bgs.
			25					
			30					
			35					
			40					
			45					
			50					
			55					

CAMP DRESSER & McKEE
CDM
125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-106

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Direct Push/Geoprobe
Drillers: Dave Paulson
Drilling Date: Start: 4-26-05 **End:** 4-26-05
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 24
Depth to Initial Water Level (ft. BGS):
Abandonment Method: Bentonite to Surface
Field Screening Instrument: PID - MiniRae
Logged By: Daniel Cooper

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
GP	1	48/40	0	0.0	—		SM	Silty SAND, dark brown, moist, no odor
GP	2	48/42	5	0.0	—		SP	Fine to medium SAND, yellowish-brown, trace gravel, moist, no odor
GP	3	48/40	10	0.0	—		SP	same as above
GP	4	48/48	15	0.0	—		SP	same as above
GP	5	48/48		26.0	—		SP	same as above, Fine SAND, with some silt and coarse sand, yellowish-brown Slight odor

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Located:
23 feet north of GP105.
4 feet west of Tennis Court fence.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-106

Client: IEPA
Project Name: SE Rockford - Area 7
Project Location: Rockford, Illinois
Project Number: 1681-42853

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
GP	6	48/48	20		—		SP	Wet @ 21'
			25					End of boring @ 24 feet bgs.
			30					
			35					
			40					
			45					
			50					
			55					

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-107

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Direct Push/Geoprobe
Drillers: Dave Paulson
Drilling Date: Start: 4-26-05 **End:** 4-26-05
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 14
Depth to Initial Water Level (ft. BGS):
Abandonment Method: Bentonite to Surface
Field Screening Instrument: PID - MiniRae
Logged By: Daniel Cooper

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
GP	1	48/36	0	0.0	—		SM	Silty SAND, dark brown, moist, no odor, some organics
							SP	Fine to medium SAND, light yellowish-brown, moist to very moist, no odor
GP	2	48/36	5	0.0	—		SP	same as above
GP	3	48/30	10	705 1200	—			Odor begining @ 9' bgs.
							SP	Gray staining @ 11.5', strong odor
GP	4	24/24						Dark gray to black staining 13-13.5' bgs.
			15					Refusal @ 14 feet bgs. End of boring.

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER:
AGS - Above Ground Surface

REMARKS

Sample GP107 from 12-14 feet bgs.

Located: 36 feet south of Basketball Court.

Reviewed by: **Date:**

CAMP DRESSER & McKEE

CDM

125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-108

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Direct Push/Geoprobe
Drillers: Dave Paulson
Drilling Date: Start: 4-26-05 **End:** 4-26-05
Borehole Coordinates:
N E

Surface Elevation (ft.):
Total Depth (ft.): 16
Depth to Initial Water Level (ft. BGS):
Abandonment Method: Bentonite to Surface
Field Screening Instrument: PID - MiniRae
Logged By: Daniel Cooper

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
GP	1	48/30	0	0.0	—		SM	Silty SAND, dark brown, moist, no odor
							SP	Fine to medium SAND, light yellowish-brown, moist, no odor
GP	2	48/36	5	0.0	—		SP	same as above
GP	3	48/36	10	0.0	—		SP	same as above
GP	4	48/36		28.0	—		SP	dark gray staining from 14.5 to 15 feet bgs. Odor present.
			15				ML	Clayey SILT 15-16'
								End of boring @ 16 feet bgs.

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Located:
33 feet west of GP107.
30 feet south of Basketball Court.

Reviewed by: **Date:**

CAMP DRESSER & McKEE
CDM
125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-109

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Soil Essentials
Drilling Method/Rig: Direct Push/Geoprobe
Drillers: Dave Paulson
Drilling Date: Start: 4-26-05 End: 4-26-05
Borehole Coordinates:
N E
Surface Elevation (ft.):
Total Depth (ft.): 24
Depth to Initial Water Level (ft. BGS):
Abandonment Method: Bentonite to Surface
Field Screening Instrument: PID - MiniRae
Logged By: Daniel Cooper

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 inches	Graphic Log	Stratum Designation	Material Description
GP	1	48/24	0		—		SM/ML	Offset twice due to very poor recovery from 0-12 feet bgs, very loose 3rd boring - better recovery
GP	2	48/18	5		—			
GP	3	48/30	10	271 1624	—		SM/ML	Fine SAND and Silt, dark brown, some odor (8 to 12 feet bgs) Mix of clay, silt, and sand, brownish-gray, strong odor
GP	4	48/36	15	1865	—		SP	Medium coarse SAND with gravel, yellowish-brown to gray, strong odor some staining from 14 to 15 feet bgs.
GP	5	48/42		1991	—			Medium to coarse sand with gravel, very little staining, strong odor

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES:
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER:
AGS - Above Ground Surface

REMARKS

Sample MW109 from 23-24'.

Located:
15 feet south of Tennis Court.
24 feet north of Basketball Court.
3 feet west of eastern edge of Tennis Court.

Reviewed by: **Date:**

CAMP DRESSER & McKEE
CDM
125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

BOREHOLE LOG
GP-109

Client: IEPA
Project Name: SE Rockford - Area 7
Project Location: Rockford, Illinois
Project Number: 1681-42853

Sample Type	Sample Number	Sample Recovery (Inches)	Elev. Depth (ft.)	Field Instrument Reading (ppm)	Blows per 6 Inches	Graphic Log	Stratum Designation	Material Description
			20				SP	same as above, strong odor (odor present from 8' to bottom of borings
GP	6	48/44		1180	–			Black staining @ 23' - Sample Collected 23 to 34 feet bgs
								End of boring @ 24 feet bgs.
			25					
			30					
			35					
			40					
			45					
			50					
			55					

CAMP DRESSER & McKEE
CDM
125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

MONITORING WELL DETAIL
MW-135B

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Boart-Longyear
Drilling Method/Rig: Rotasonic/Sonic Rig
Drillers: Jon Weeks
Drilling Date: Start: 8-30-04 End: 8-30-04
Borehole Coordinates:
N 2,027,884.51 E 2,602,461.12
Development Date: Start 5/24/05 End 5/25/05

Surface Elevation (ft.): 836.76
Total Depth (ft.): 80
Depth to Initial Water Level (ft. BGS): 50
Development Method: Surge and Pump
Field Screening Instrument: PID - MiniRae
Logged By: Brad Cook
Top of Riser Elevation (ft.): 1,676.61

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (in.)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
								836.8	Stick-up; Ground Surface
SN	1	0		60/30	ML	Moderate yellowish-brown SILT, some fine to coarse sand, little fine to medium gravel, trace clay, gravel is subrounded to angular and distributed randomly throughout matrix, moist, no odor Organics (roots, black color) in upper 0.5'		0	Steel protective casing from 0 to 2' bgs; Cement-bentonite grout, 2" PVC riser from +3' to 70' bgs
								831.8 / 5	
SN	2	0		24/9	SP	Moderate yellowish-brown to dark yellowish-orange fine SAND, some silt, trace fine gravel, dry to moist, no odor			
SN	3	0		24/18	SM	Grayish-orange to moderate yellowish-brown SILT, little fine, medium, and coarse sand, little fine to medium gravel, trace clay, gravel is distributed randomly throughout matrix, moist, no odor			
								826.8 / 10	
SN	4	0		72/48	SP	Same as 7-9', moderate yellowish-brown			
					ML	Grayish-orange to moderate yellowish-brown coarse, medium, and fine SAND, little fine gravel, trace fines, moist, no odor			
					SP				
					SM			821.8 / 15	
SN	5	0		60/60	SM	Light gray to medium light gray SILT, trace fine sand, trace fine gravel, moist, no odor			
						Dark yellowish-orange fine SAND, trace silt, moist			
					SW	Pale yellowish-brown to light gray fine SAND, little silt, little fine gravel distributed randomly throughout matrix,			
					SM			816.8	

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- HA - Hand Auger
- AR - Air Rotary
- DTR - Dual Tube Rotary
- FR - Foam Rotary
- MR - Mud Rotary
- RC - Reverse Circulation
- CT - Cable Tool
- JET - Jetting
- D - Driving
- DTC - Drill Through Casing

SAMPLING TYPES:
- AS - Auger/Grab Sample
- CS - California Sampler
- BX - 1.5" Rock Core
- NX - 2.1" Rock Core
- GP - Geoprobe
- HP - Hydro Punch
- SS - Split Spoon
- ST - Shelby Tube
- WS - Wash Sample

OTHER:
- AGS - Above Ground Surface

REMARKS

Boring was grouted with cement-bentonite grout
Drillers noted water circulation loss from 65-80' ; above 65' no water was lost

Sampled A7-MW135B from 43.5 to 44 ft BGS and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: J. Grabs **Date:**

CAMP DRESSER & McKEE
CDM
125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

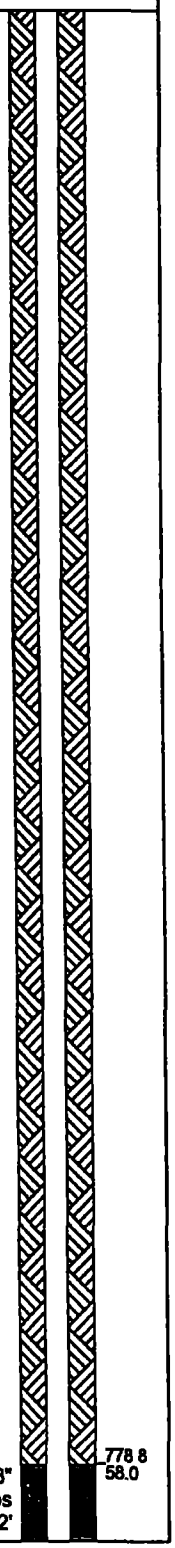
MONITORING WELL DETAIL
MW-135B

Client: IEPA
Project Name: SE Rockford - Area 7
Project Location: Rockford, Illinois
Project Number: 1681-42853

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (in.)	Stratum Designation	Material Description	Elev. Depth (ft.)
							816.8
SN	6	0		60/60	ML	moist, no odor Same as 7-11', but color is grayish-orange to moderate yellowish-brown, moist, no odor Yellowish-orange fine to medium SAND, some fine gravel, trace fines, moist, no odor Same as 15.5-18'	20
							811.8
SN	7	0		60/60	ML	Light gray to medium light gray SILT, little fine sand, little fine to medium gravel distributed randomly throughout matrix, very dense, moist, no odor	25
					ML	Same as 20-25', moist	
					SP	Very light gray to light gray SILT, trace fine sand, wet, no odor Grayish-orange fine SAND, moist, no odor	
							806.8
SN	8	0		60/60	SP	Same as 28-30', moist	30
					ML	Same as 27.5-28', wet, no odor	
					SP	Grayish-orange fine SAND, moist, no odor	
							801.8
SN	9	50		120/96			35
							796.8
							40
					SW	Dark gray fine, medium, and coarse SAND and fine gravel, wet, hydrocarbon odor.	
					ML		
							791.8
SN	10	0		120/11	ML	Collected sample A7-MW135B Light olive-gray SILT, little clay, trace fine to medium gravel, trace fine, medium, and coarse sand, slightly plastic, wet, ~2.5TSF via pocket penetrameter, no odor	45
							786.8
					SP	Light olive-gray SILT, little clay, trace fine to medium gravel, trace fine, medium, and coarse sand, slightly plastic, wet	50
					SM	~2.5 TSF via pocket penetrameter, no odor Grayish-orange to dark yellowish-orange fine to medium SAND, trace rounded fine gravel, wet, no odor	
							781.8
					SM	2" diameter rounded cobble @ 52' Light gray to medium light gray SILT, little fine to medium sand, trace fine gravel, moist to wet, non-plastic, no odor	55
						Light gray to medium gray fine SAND, little to some silt, trace clay, trace subrounded fine gravel, wet, no odor	
							776.8

Graphic Log

Well Construction Detail



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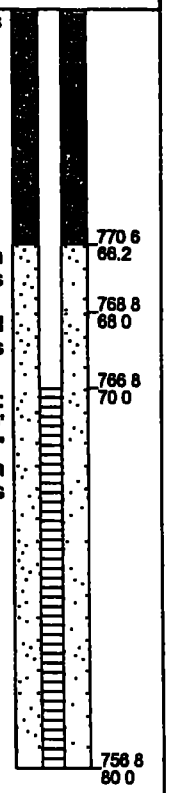
MONITORING WELL DETAIL
MW-135B

Client: IEPA
Project Name: SE Rockford - Area 7
Project Location: Rockford, Illinois
Project Number: 1681-42853

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (in.)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)
								776.8
SN	11	0		20/102	SM			60
					BDR	Dark yellowish-orange, highly weathered dolomite, moist, no odor		
					BDR	Very light gray, dolomite, dry, highly weathered, clay seams and alterations		
								771.8
					BDR	Dark yellowish-orange SAND with dolomite chips, wet		65
					BDR	Dark yellowish-orange SAND, little dolomitic gravel, little fines, wet with saturated zones ~1" thick @ ~66' and 68', highly weathered and altered dolomitic bedrock		
SN	12	0		20/102	BDR	Drillers noted water circulation loss from 65-80'; above 65', no water was lost		766.8 70
						Same as above		
								761.8
					BDR	Same as above		75
SN	13	0		60/108				
								756.8
						End of boring @ 80 feet bgs.		80
								751.8 85
								746.8 90
								741.8 95
								736.8

Well Construction Detail



BB #7 Sand from 66.2' to 68' bgs

Redflint #40 Sand from 68' to 70' bgs

PVC well screen: 2" diameter x 10' length x 0.01" slotted screen from 70' to 80' bgs

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MONITORING WELL DETAIL
MW-143

Client: IEPA
Project Name: SE Rockford - Area 7
Project Location: Rockford, Illinois
Project Number: 1681-42853

Drilling Contractor: Boart-Longyear
Surface Elevation (ft.): 839.28
Drilling Method/Rig: Rotasonic/Sonic Rig
Total Depth (ft.): 75
Drillers: Roy Buckenberger
Depth to Initial Water Level (ft. BGS): 52
Drilling Date: Start: 5-17-05 **End:** 5-17-05
Development Method: Surge and Pump
Borehole Coordinates:
Field Screening Instrument: PID - MiniRae
N 2,027,598.44 E 2,602,234.11
Logged By: Dan Cooper
Development Date: Start 5/24/05 **End** 5/24/05
Top of Riser Elevation (ft.): 1,681.15

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (in.)	Stratum Designation	Material Description	Elev. Depth (ft.)
							839.3
SN	1	0		60/36	ML	SANDY SILT - dark brown (10YR 3/3), trace medium to coarse sand, organic roots, moist, no odor	0
					SP	SAND - medium to fine, light brown, moist, no odor	834.3
SN	2	0		60/60	SM-ML	SILTY SAND - fine sand and silt, trace medium to coarse sand and gravel up to 3" diameter, yellowish-brown, slightly moist, no odor	5
					SM	SAND - fine and medium sand with silt, trace gravel, light yellowish-brown (10YR 6/4), slightly moist to dry, no odor	829.3 10
SN	3	0		60/60			
					SP	SAND - medium sand, no fines, trace gravel, moist, no odor	824.3 15
SN	4	0		60/60	ML	SILT - silt with medium to fine sand and trace gravel, light yellowish-brown (10YR 6/4), moist, no odor	819.3

Well Construction Detail

Stick-up

Ground Surface

Cement to surface from 0 to 3' bgs

Cement-bentonite grout (Portland cement and Aqua-gel Gold Seal bentonite powder)

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
- HSA - Hollow Stem Auger
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- DTR - Dual Tube Rotary
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- MR - Mud Rotary
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- CT - Cable Tool
- JET - Jetting
- D - Driving
- DTC - Drill Through Casing

SAMPLING TYPES:
- AS - Auger/Grab Sample
- CS - California Sampler
- BX - 1.5" Rock Core
- NX - 2.1" Rock Core
- GP - Geoprobe
- HP - Hydro Punch
- SS - Split Spoon
- ST - Shelby Tube
- WS - Wash Sample

OTHER:
- AGS - Above Ground Surface

REMARKS

Reviewed by: J. Grabs **Date:**

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Chicago, Illinois 60606

MONITORING WELL DETAIL
MW-143

Client: IEPA
Project Name: SE Rockford - Area 7
Project Location: Rockford, Illinois
Project Number: 1681-42853

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (in.)	Stratum Designation	Material Description	Elev. Depth (ft.)
							819.3
SN	5	0		60/60	SP	SAND - medium sand, well sorted, little to no fines, trace gravel, orangish-brown, moist, no odor	20
					SM	SILTY SAND - fine to coarse sand with silt and trace gravel, brownish-yellow (10YR 6/6), moist, no odor	814.3
SN	6	0		60/60	SP	Same as 20-22'	25
					ML	SILT with some very fine sand, yellowish-brown	
					SM	Same as 22-25'	809.3
SN	7	0		60/60	SP	SAND - medium sand, little or no fines, trace gravel, moist, no odor	30
					ML	SILT with some very fine sand, no gravel from 34-35', light yellowish-brown (10YR 6/4), moist, no odor	804.3
SN	8	0		60/60	SM	SILTY SAND - fine to coarse sand with silt, trace gravel, brownish-yellow (10YR 6/6), moist, no odor	35
SN	9	0		60/60			799.3 40
							794.3 45
SN	10	0		60/50	BR	Highly weathered dolomite BEDROCK weathered to coarse sand and gravel, dark yellowish-orange, moist no odor Light gray weathered dolomite, dry, no odor	
							789.3
SN	11	0		60/60	BR	Same as 46-48'	50
					ML	SANDY SILT with clay, fine sand and some clay, slightly plastic, trace medium to coarse sand and gravel, wet, no odor, olive-brown (2.5Y 4/4) 55-56' - coarse sand and gravel, loose	
							784.3 55
SN	12	0		60/60			
							779.3

Graphic Log

Well Construction Detail

Bentonite seal (3/8" Bariod chips)

787.3 52.0

779.8 59.5

MW AREA7P-1.GPJ CDM_CORP.GDT 8/18/05

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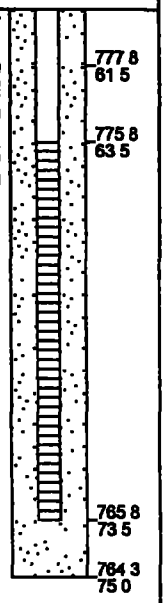
MONITORING WELL DETAIL
MW-143

Client: IEPA
Project Name: SE Rockford - Area 7
Project Location: Rockford, Illinois
Project Number: 1681-42853

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (in.)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)
								779.3 60
SN	13	0		60/60	BR	Highly weathered dolomite BEDROCK weathered to sand and gravel fragment, saturated, no odor		
					BR	Light gray color		774.3 65
SN	14	0		60/60	BR	Same as 60.5-64'		
								769.3 70
SN	15	0		60/60				
					BR	Finer grained, little sand and gravel, tighter packed sediment		764.3 75
						End of boring @ 75 feet bgs.		
								759.3 80
								754.3 85
								749.3 90
								744.3 95
								739.3

Well Construction Detail



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MONITORING WELL DETAIL
MW-X1

Client: IEPA
Project Name: SE Rockford - Area 7
Project Location: Rockford, Illinois
Project Number: 1681-42853

Drilling Contractor: Boart-Longyear
Surface Elevation (ft.):
Drilling Method/Rig: Rotasonic/Sonic Rig
Total Depth (ft.): 85
Drillers: Jon Weeks
Depth to Initial Water Level (ft. BGS): 52
Drilling Date: Start: 8-31-04 **End:** 8-31-04
Development Method:
Borehole Coordinates:
Field Screening Instrument: PID - MiniRae
N E
Logged By: Brad Cook
Development Date: Start End
Top of Riser Elevation (ft.):

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (in.)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
									Ground Surface
SN	1	0		60/50	SM	Dark yellowish-brown fine SAND, little silt, trace fine gravel, organics including roots, moist		0	cement-bentonite grout 0-85' bgs.
					SP	Grayish-orange fine SAND, trace silt, trace fine gravel, moist			
					SP	Moderate reddish-brown fine to medium SAND, trace coarse sand, trace fine gravel, moist, no odor			
SN	2	0		60/48	ML	Moderate brown SILT, some fine to medium sand, trace fine to medium angular to subrounded gravel distributed randomly throughout matrix, trace clay, dry to moist, no odor		5	
SN	3	0		60/54	ML	Same as 5-10', but with little gravel distributed throughout the interval, moist, no odor		10	
SN	4	0		60/54				15	
					SP	Very pale orange to grayish-orange fine SAND, trace fines, moist, no odor			

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS.
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1 5" Rock Core
NX - 2 1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER·
AGS - Above Ground Surface

REMARKS

Boring was abandoned with cement-bentonite grout.

Collected rinsate blank from drill bit. Sample ID = A7-MWX1(R)

Sampled A7-MWX1B from 46 to 46.5 ft BGS and submitted to laboratory for analysis of target analyte list VOCs.

Reviewed by: J. Grabs **Date:**

CAMP DRESSER & McKEE
CDM
125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

MONITORING WELL DETAIL
MW-X1

Client: IEPA
Project Name: SE Rockford - Area 7
Project Location: Rockford, Illinois
Project Number: 1681-42853

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (in.)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
SN	5	0		60/60	SP	Clean fine SAND as described from 17-20', moist		20	
					ML	TILL as described from 10-17', moist, no odor			
					SP	Clean fine SAND as described from 17-20', moist			
					ML	TILL as described from 10-17', moist, no odor			
					SP				
SN	6	0		60/60	SW	Clean fine SAND as described from 17-20'		25	
					SP	Very pale orange to grayish-orange fine, medium, and coarse SAND, trace fine gravel, moist, no odor			
					ML	Very pale orange to grayish-orange fine SAND, trace fines, moist, no odor			
					ML	Yellowish-gray SILT, little fine sand, moist to wet, no odor			
SN	7	0		60/60	SP	Pale yellowish-brown SILT, little clay, little fine sand, trace fine gravel, moist, dense, no odor		30	
					ML	Light gray to medium gray fine SAND, trace silt, moist, no odor			
						Yellowish-gray SILT, little fine sand, trace fine gravel, trace clay, moist, non-plastic, no odor			
SN	8	0		96/90	SP	Grayish-orange to dark yellowish-orange fine SAND, moist, no odor		35	
					ML	Lens with some SILT			
					SP	Grayish-orange to dark yellowish-orange fine SAND, moist, no odor			
					ML	Lens with some SILT		40	
					SP	Grayish-orange to dark yellowish-orange fine SAND, moist, no odor			
SN	9	0		24/24	ML	TILL, as described for 5-10' interval			
					SP	Grayish-orange to dark yellowish-orange fine SAND, moist, no odor		45	
SN	10	0		120/120	ML	Dark yellowish-brown SILT, trace fine sand, moist, no odor (Sample A7-MWX1B)			
					ML	Dark yellowish-brown SILT, little clay, little fine sand, trace fine to medium gravel, moist from 46.5-50', wet and plastic 50-55', no odor		50	
					ML	Same as above with low plasticity, wet		55	

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MONITORING WELL DETAIL
MW-X1

Client: IEPA
Project Name: SE Rockford - Area 7
Project Location: Rockford, Illinois
Project Number: 1681-42853

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (in.)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
SN	11	0		120/98	ML			60	
					SM	Dark yellowish-orange fine to medium SAND, little silt, trace fine to medium gravel, moist to wet, no odor			
SN	12	0		120/109	SW	Moderate yellowish brown fine SAND, trace medium to coarse sand, little fine to medium gravel, lens with some silt @ ~66-66.3', wet, no odor		65	
					ML	Light bluish-gray to moderate yellowish-brown SILT, little fine sand, trace fine to medium gravel, trace clay, moist to wet, non-plastic, no odor		70	
SN	13	0		120/120	BDR	Pinkish-gray to grayish-yellow weathered dolomite BEDROCK. Bedrock has the consistency of sand and gravel, with little cobbles, trace fines, wet		75 80	
						End of boring @ 85 feet bgs.		85 90 95	85.0

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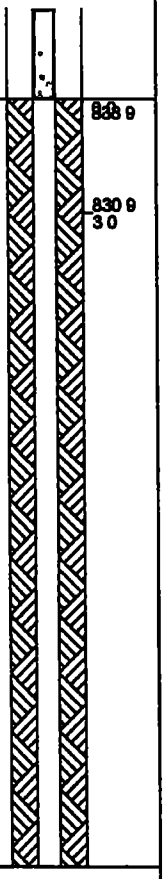
MONITORING WELL DETAIL
MW-144

Client: IEPA
Project Name: SE Rockford - Area 7
Project Location: Rockford, Illinois
Project Number: 1681-42853

Drilling Contractor: Boart-Longyear
Surface Elevation (ft.): 833.89
Drilling Method/Rig: Rotasonic/Sonic Rig
Total Depth (ft.): 85
Drillers: Roy Buckenberger
Depth to Initial Water Level (ft. BGS): 53
Drilling Date: Start: 5-18-05 **End:** 5-18-05
Development Method: Surge and Pump
Borehole Coordinates:
Field Screening Instrument: PID - MiniRae
N 2,027,821.88 E 2,602,214.44
Logged By: Dan Cooper
Development Date: Start 5/24/05 **End** 5/24/05
Top of Riser Elevation (ft.): 1,670.17

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (in.)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
									Stick-up
								833.9	*Ground Surface*
						See Boring Log for MW-X1		0	Cement to surface from 0 to 3' bgs
								828.9 / 5	Cement-bentonite grout (Portland cement and Aqua-gel Gold Seal bentonite powder)
								823.9 / 10	
								818.9 / 15	
								813.9	



EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
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- FR - Foam Rotary
- MR - Mud Rotary
- RC - Reverse Circulation
- CT - Cable Tool
- JET - Jetting
- D - Driving
- DTC - Drill Through Casing

SAMPLING TYPES
- AS - Auger/Grab Sample
- CS - California Sampler
- BX - 1.5" Rock Core
- NX - 2.1" Rock Core
- GP - Geoprobe
- HP - Hydro Punch
- SS - Split Spoon
- ST - Shelby Tube
- WS - Wash Sample

OTHER.
- AGS - Above Ground Surface

REMARKS

Reviewed by: J. Grabs **Date:**

CAMP DRESSER & McKEE

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MONITORING WELL DETAIL
MW-144

Client: IEPA
Project Name: SE Rockford - Area 7
Project Location: Rockford, Illinois
Project Number: 1681-42853

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (in.)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
								813.9 / 20	
								808.9 / 25	
								803.9 / 30	
								798.9 / 35	
								793.9 / 40	
								788.9 / 45	
								783.9 / 50	
								778.9 / 55	
								773.9	

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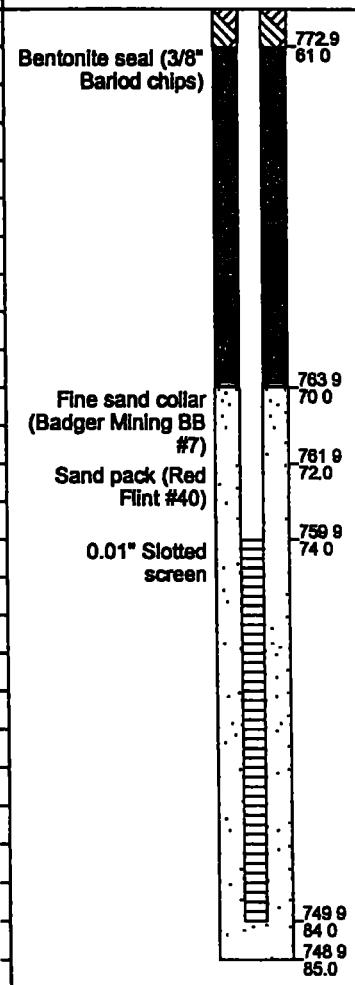
MONITORING WELL DETAIL
MW-144

Client: IEPA
Project Name: SE Rockford - Area 7
Project Location: Rockford, Illinois
Project Number: 1681-42853

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (in.)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
								773.9 60	
								768.9 65	
								763.9 70	
								758.9 75	
								753.9 80	
								748.9 85	
								743.9 90	
								738.9 95	
								733.9	



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MONITORING WELL DETAIL
MW-145

Client: IEPA
Project Location: Rockford, Illinois
Project Name: SE Rockford - Area 7
Project Number: 1681-42853

Drilling Contractor: Boart-Longyear
Drilling Method/Rig: Rotasonic/Sonic Rig
Drillers: Roy Buckenberger
Drilling Date: Start: 5-19-05 **End:** 5-19-05
Borehole Coordinates:
N 2,028,310.31 E 2,602,195.60
Development Date: Start 5/25/05 **End** 5/25/05

Surface Elevation (ft.): 815.48
Total Depth (ft.): 45.5
Depth to Initial Water Level (ft. BGS): 35
Development Method: Surge and Pump
Field Screening Instrument: PID - MiniRae
Logged By: Dan Cooper
Top of Riser Elevation (ft.): 1,633.20

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (in.)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
									Stick-up
								815.5	*Ground Surface*
SN	1	0		60/18	ML	SILT - dark brown, with fine to coarse sand and trace gravel, organics, moist, no odor		0	Cement to surface from 0 to 3' bgs; Cement-bentonite grout (Portland cement and Aqua-gel Gold Seal bentonite powder)
								810.5	
SN	2	0		60/45	SM	Silty fine SAND - with medium sand and trace gravel, light yellowish-brown, moist, no odor		5	
								805.5	
SN	3	0		60/60	ML	SILT - with very fine sand, trace gravel, yellowish-brown (10YR 5/6), dry, no odor		10	
					SP	SAND - medium sand with some fine and coarse sand, yellowish-brown, no gravel, well sorted, moist, no odor			
								800.5	
SN	4	0		60/60				15	
					GP	Light gray, fine to coarse sand and gravel, moist			
					ML	SANDY SILT - with fine to coarse sand		795.5	

Cement-bentonite grout (Portland cement and Aqua-gel Gold Seal bentonite powder) 0 to 30 (815.5 to 812.5)

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER
AGS - Above Ground Surface

REMARKS

Reviewed by: J. Grabs Date:

CAMP DRESSER & McKEE
CDM
125 South Wacker Drive, Suite 600
Chicago, Illinois 60606

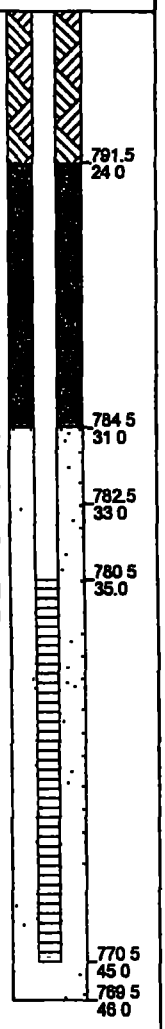
MONITORING WELL DETAIL
MW-145

Client: IEPA
Project Name: SE Rockford - Area 7
Project Location: Rockford, Illinois
Project Number: 1681-42853

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (in.)	Stratum Designation	Material Description	Elev. Depth (ft.)
							795.5
					SP	and trace gravel, moist, no odor Same as 12.5-18'	20
SN	5	0		60/60	ML SP SP	SILT - with fine to coarse sand and trace gravel, some clay, hard, slightly moist, no odor, light olive-brown (2.5Y 5/4) Fine SAND, yellowish-brown, moist	790.5
SN	6	0		60/60		Medium SAND, yellowish-brown, no gravel, well sorted, moist, no odor	25
					ML ML	Very fine SAND and SILT, well sorted, trace gravel, no odor SILT with some fine to coarse sand and trace gravel, dry, no odor	785.5
SN	7	0		60/60	SP ML GP	Medium SAND, yellowish-brown, no gravel, well sorted, moist to wet, no odor SILT - with fine to coarse sand, trace gravel Coarse SAND and GRAVEL mix, subrounded, wet, little or no fines, no odor, orangish-brown	30
SN	8	0		60/60			780.5 35
							775.5 40
SN	9	0		60/60	GP	Slight solvent like odor at 43' bgs., large subrounded gravel	770.5 45
						End of boring @ 46 feet bgs.	765.5 50
							760.5 55
							755.5

Graphic Log

Well Construction Detail



Appendix C

Appendix C
Soil Sampling Analytical and Data Validation Reports

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:_____

SUBJECT: Review of Data
Received for Review on September 15, 2004

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: CDM

We have reviewed the data for the following case:

Site name: Southeast Rockford Groundwater Contamination (IL)

Case number: 33283 SDG Number: E2D35

Number and Type of Samples: 1 water & 19 soil samples

Sample Numbers: E2D35- E2D54

Laboratory: Ceimic Hrs. for Review: _____

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Laboratory: **Ceimic**
Site Name: **Southeast Rockford Groundwater Contamination (IL)**

Case Number : **33283**
SDG Number: **E2D35**

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

One water sample (E2D49) and nineteen soil samples (E2D35-E2D48, E2D50-E2D54) were collected on 08/30-31/2004. The laboratory received the samples on 08/31/2004 and 09/01/2004 in good condition. The samples were analyzed for the list of volatile analytes according to CLP SOW OLM04.3.

Reviewed By: Steffanie Tobin (Alion/ESAT)
Date: September 27, 2004

Laboratory: **Ceimic** Case Number : **33283**
Site Name: **Southeast Rockford Groundwater Contamination (IL)** SDG Number: **E2D35**

1. HOLDING TIME

No problems were found for this qualification.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems were found for this qualification.

3. CALIBRATION

The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

Methylene Chloride
E2D35, E2D36, E2D38, E2D39, E2D40, E2D41, E2D41MS, E2D41MSD, E2D43, E2D44, E2D45, E2D47, E2D48, E2D50, E2D51, E2D52, E2D53, E2D54, VBLKLB, VBLKLC

The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Dichlorodifluoromethane
E2D35, E2D36, E2D37, E2D37RE, E2D38, E2D39, E2D40, E2D41, E2D41MS, E2D41MSD, E2D42, E2D43, E2D44, E2D45, E2D46, E2D46MS, E2D46MSD, E2D47, E2D48, E2D49, E2D50, E2D51, E2D52, E2D53, E2D54, VBLKLB, VBLKLC, VBLKPA, VBLKPT, VBLKPV, VBLKPY, VBLKPZ, VHBLK01

Chloromethane
E2D37, E2D37RE, E2D49, VBLKPA, VBLKPT, VBLKPY, VBLKPZ, VHBLK01

Vinyl Chloride
E2D37, E2D37RE, VBLKPA, VBLKPY, VBLKPZ, VHBLK01

1,1,2-Trichloro-1,2,2-trifluoroethane
E2D35, E2D36, E2D39, E2D40, E2D41, E2D41MS, E2D41MSD, E2D43, E2D44, E2D45, VBLKLB

Acetone
E2D37, VBLKPY

Methylene Chloride
E2D37RE, E2D38, E2D47, E2D48, E2D50, E2D51, E2D52, E2D53, E2D54, VBLKLC, VBLKPA, VBLKPZ, VHBLK01

Cyclohexane
E2D35, E2D36, E2D39, E2D40, E2D41, E2D41MS, E2D41MSD, E2D43, E2D44, E2D45, VBLKLB

1,2-Dibromo-3-chloropropane
E2D38, E2D47, E2D48, E2D50, E2D51, E2D52, E2D53, E2D54, VBLKLC

4. METHOD BLANKS

The following volatile samples have analyte concentrations reported above the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Hits are qualified "U" or "UJ" and non-detects are not flagged.

Acetone
E2D49, E2D54

Methylene Chloride
E2D35, E2D36, E2D38, E2D39, E2D40, E2D41, E2D41MS, E2D41MSD, E2D43, E2D44, E2D45, E2D47, E2D48, E2D49, E2D50, E2D51, E2D52, E2D53, E2D54

The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" or "UJ" and non-detects are not flagged.

Acetone
E2D35, E2D36, E2D37, E2D37RE, E2D38, E2D39, E2D40, E2D41, E2D41MS, E2D41MSD, E2D42, E2D43, E2D44, E2D45, E2D46, E2D46MS, E2D46MSD, E2D47, E2D48, E2D50, E2D51, E2D52, E2D53, VHBLK01

Methylene Chloride
E2D37, E2D37RE, E2D42, E2D46, E2D46MS, E2D46MSD, VHBLK01

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

The following volatile samples have system monitoring compound recoveries above the upper limit of the criteria window. Hits are qualified "J" and non-detects are not flagged.

E2D37, E2D37RE, E2D46, E2D46MS, E2D46MSD

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No matrix spike/matrix spike duplicate were analyzed for the water sample fraction since the water sample is the QC blank.

The following volatile matrix spike/matrix spike duplicate samples have percent recovery below the QC limit. Sample results for the outlier compounds in the unspiked sample E2D41 are estimated "J" and non-detects "UJ".

E2D41MS, E2D41MSD
1,1-Dichloroethene

7. FIELD BLANK AND FIELD DUPLICATE

Sample E2D45 may be a field duplicate of sample E2D44 based on the collection date and time. Neither sample contained any target analytes. Sample E2D49 was identified as the QC blank. The results for the QC blank are summarized in the following table:

Analytes dilution factor =	E2D49
	1.0
Toluene	2 µg/L
Xylene (Total)	1 µg/L

Results are not qualified based upon the results of the QC blanks.

8. INTERNAL STANDARDS

No problems were found for this qualification.

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms, it appears that all VOA compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E2D35
Dichlorodifluoromethane, 1,1-Dichloroethane, Trichloroethene, Toluene

E2D36
Dichlorodifluoromethane, cis-1,2-Dichloroethane, Trichloroethene, Toluene

E2D37
Chloromethane, 1,1-Dichloroethane, Methylcyclohexane, Toluene, Tetrachloroethene

E2D37RE
1,1-Dichloroethane, Methylcyclohexane, Toluene, Tetrachloroethene, Styrene

E2D38
Dichlorodifluoromethane, 1,1,1-Trichloroethane, Toluene

E2D39, E2D47, E2D48, E2D50, E2D51, E2D52, E2D53
Toluene

E2D40, E2D43
Dichlorodifluoromethane, Toluene

E2D41
Dichlorodifluoromethane, 1,1-Dichloroethane, cis-1,2-Dichloroethane, 1,1,1-Trichloroethane, Toluene, Tetrachloroethene

E2D41MS
Dichlorodifluoromethane, 1,1-Dichloroethane, Tetrachloroethene

E2D41MSD
Dichlorodifluoromethane, Methyl Acetate, 1,1-Dichloroethane, cis-1,2-Dichloroethane, 1,1,1-Trichloroethane, Tetrachloroethene

E2D42
1,1,1-Trichloroethane

E2D46
1,1,1-Trichloroethane, Methylcyclohexane, Xylenes (total)

E2D46MS
1,1,1-Trichloroethane, Methylcyclohexane, 4-Methyl-2-pentanone, 1,1,2-Trichloroethane, Xylenes (total)

E2D46MSD
1,1,1-Trichloroethane, Methylcyclohexane, 1,1,2-Trichloroethane, Xylenes (total)

E2D49
Toluene, Xylenes (total)

E2D54
2-Butanone, Toluene, Tetrachloroethene

VBLKLB, VBLKLC
Acetone

VBLKPA
Dichlorodifluoromethane, Acetone, Methylene Chloride

VBLKPT
1,2-Dibromo-3-chloropropane

VBLKPV
Acetone, Methylene Chloride

VBLKPY
Acetone, Methylene Chloride, 2-Butanone

VBLKPZ
Dichlorodifluoromethane, Acetone, Methylene Chloride, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene

11. SYSTEM PERFORMANCE

The GC/MS baseline indicated acceptable performance.

12. ADDITIONAL INFORMATION

The following volatile samples had a volatile target analyte reported as a volatile Tentatively Identified Compound (TIC). Hits for these compounds in the affected volatile samples should be qualified "J" and non-detects flagged "UJ".

Laboratory: **Ceimic** Case Number : **33283**
Site Name: **Southeast Rockford Groundwater Contamination (IL)** SDG Number: **E2D35**

Isopropylbenzene	Cas No. 98-82-8	E2D37

Not all TIC results were reported for VOA samples E2D37 on the CADRE TIC report. CADRE did not report any of the TICs whose CAS Numbers corresponded to target analytes. Please, refer to Forms I VOA-TIC for the complete list of the TICs detected for VOA sample E2D37.

Reviewed By: Steffanie Tobin (Alion/ESAT)
Date: September 27, 2004

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present)
H	Sample result is estimated and biased high.
L	Sample result is estimated and biased low.

Volatile Sample Analysis
Tentatively Identified Compounds

Sample Type:	Routine Sample	Sample No	E2D36
Lab ID.	CEIMIC	Location.	A7-GP-01B
Case No.:	33283	Matrix/Level·	Soil/Low
SDG No.:	E2D35	File Name.	E2D35

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	STRAIGHT-CHAIN ALKANE	5.32	65	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

Sample Type	Routine Sample	Sample No ·	E2D37
Lab ID:	CEIMIC	Location:	A7-GP-02A
Case No :	33283	Matrix/Level	Soil/Med
SDG No ·	E2D35	File Name:	E2D35

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	BRANCHED ALKANE	12 46	8000	J
	BRANCHED ALKANE	12.60	6600	J
	STRAIGHT-CHAIN ALKANE	13.07	31000	J
	CYCLIC ALKANE	13 46	21000	J
	CYCLIC ALKANE	13.75	17000	J
	UNKNOWN KETONE	13 82	42000	J
	C3-BENZENE ISOMER	14 02	43000	J
103651	BENZENE, PROPYL-	14.50	41000	NJ
620144	BENZENE, 1-ETHYL-3-METHYL-	14.61	240000	NJ
95363	1,2,4-TRIMETHYLBENZENE	14.71	92000	NJ
	BRANCHED ALKENE	14.77	6700	J
	CYCLIC ALKANE	14.81	4400	J
	CYCLIC ALKANE	14 86	9000	J
	BRANCHED ALKANE	15.06	4500	J
	STRAIGHT-CHAIN ALKENE	15.08	7600	J
526738	BENZENE, 1,2,3-TRIMETHYL-	15.15	220000	NJ
	BRANCHED ALKANE	15 21	11000	J
538932	BENZENE, (2-METHYLPROPYL)-	15.28	15000	NJ
	CYCLIC ALKANE	15.33	35000	J
535773	BENZENE, 1-METHYL-3-(1-METHYLETHYL)-	15 42	26000	NJ
99876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	15.48	17000	NJ
526738	BENZENE, 1,2,3-TRIMETHYL-	15.63	93000	NJ
	C4-BENZENE ISOMER	15.85	93000	J
135013	BENZENE, 1,2-DIETHYL-	15.92	130000	NJ
135013	BENZENE, 1,2-DIETHYL-	16.06	10000	NJ
135013	BENZENE, 1,2-DIETHYL-	16.24	35000	NJ
527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	16 27	34000	NJ
535773	BENZENE, 1-METHYL-3-(1-METHYLETHYL)-	16.35	50000	NJ
	C4-BENZENE ISOMER	16 49	30000	J
13632945	BENZENE, 1,4-DIETHYL-2-METHYL-	16.59	7000	NJ
527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	16.70	15000	NJ
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	16 81	26000	NJ
933982	BENZENE, 1-ETHYL-2,3-DIMETHYL-	16 87	40000	NJ
	C5-BENZENE ISOMER	16 95	6100	J
	UNKNOWN	17 11	10000	J
824226	1H-INDENE, 2,3-DIHYDRO-4-METHYL-	17.18	13000	NJ
	C4-BENZENE ISOMER	17 26	7000	J
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	17 34	38000	NJ
	C5-BENZENE ISOMER	17.88	6300	J

*Q· Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No	E2D37RE
Sample Type:	Routine Sample		
Lab ID.	CEIMIC	Location·	A7-GP-02A
Case No :	33283	Matrix/Level.	Soil/Med
SDG No.:	E2D35	File Name	E2D35

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	BRANCHED ALKANE	12.47	8800	J
	BRANCHED ALKANE	12.62	6400	J
	STRAIGHT-CHAIN ALKANE	13.08	36000	J
	CYCLIC ALKANE	13.47	23000	J
	CYCLIC ALKANE	13.75	19000	J
	CYCLIC ALKANE	13.82	49000	J
	BRANCHED ALKANE	14.08	50000	J
611143	BENZENE, 1-ETHYL-2-METHYL-	14.62	260000	NJ
526738	BENZENE, 1,2,3-TRIMETHYL-	14.72	92000	NJ
	BRANCHED ALKENE	14 78	11000	J
	CYCLIC ALKANE	14.82	5300	J
	CYCLIC ALKANE	14.86	8600	J
611143	BENZENE, 1-ETHYL-2-METHYL-	14.95	95000	NJ
	CYCLIC ALKANE	15 09	15000	J
526738	BENZENE, 1,2,3-TRIMETHYL-	15 16	240000	NJ
	UNKNOWN	15.27	18000	J
	UNKNOWN	15.32	21000	J
	CYCLIC ALKANE	15.33	36000	J
99876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	15 43	34000	NJ
99876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	15.49	20000	NJ
526738	BENZENE, 1,2,3-TRIMETHYL-	15 64	100000	NJ
	C4-BENZENE ISOMER	15.86	98000	J
934805	BENZENE, 4-ETHYL-1,2-DIMETHYL-	15.93	150000	NJ
141935	BENZENE, 1,3-DIETHYL-	16.06	14000	NJ
527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	16 28	73000	NJ
99876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	16.36	54000	NJ
	C4-BENZENE ISOMER	16.50	32000	J
13632945	BENZENE, 1,4-DIETHYL-2-METHYL-	16 60	6400	NJ
	UNKNOWN KETONE	16.64	7500	J
527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	16 71	17000	NJ
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	16.81	27000	NJ
	C4-BENZENE ISOMER	16.93	6500	J
	C5-BENZENE ISOMER	16.99	6600	J
	UNKNOWN	17.12	11000	J
2039896	BENZENE, 2-ETHENYL-1,4-DIMETHYL-	17.19	16000	NJ
	C4-BENZENE ISOMER	17.26	7400	J
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	17.35	39000	NJ
	C5-BENZENE ISOMER	17 44	6100	J
1758856	BENZENE, 2,4-DIETHYL-1-METHYL-	17.74	8000	NJ
	C5-BENZENE ISOMER	17.77	6700	J
	UNKNOWN	17 88	7700	J
	STRAIGHT-CHAIN ALKANE	18.31	1400	J

*Q Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

Sample No		E2D38	
Sample Type	Routine Sample		
Lab ID	CEIMIC	Location	A7-GP-03A
Case No	33283	Matrix/Level	Soil/Low
SDG No	E2D35	File Name.	E2D35

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	STRAIGHT-CHAIN ALKANE	5.32	30	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2D39
Sample Type:	Routine Sample		
Lab ID.	CEIMIC	Location:	A7-GP-04A
Case No.:	33283	Matrix/Level:	Soil/Low
SDG No.:	E2D35	File Name:	E2D35

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	STRAIGHT-CHAIN ALKANE	5.32	34	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.:		E2D40	
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location	A7-GP-05A
Case No .	33283	Matrix/Level.	Soil/Low
SDG No.:	E2D35	File Name.	E2D35

CAS No	Compound Name	RT	Concentration (UG/KG)	Q*
	STRAIGHT-CHAIN ALKANE	5.32	31	J

*Q. Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No	E2D43
Sample Type:	Routine Sample		
Lab ID·	CEIMIC	Location.	A7-GP-20A
Case No.·	33283	Matrix/Level:	Soil/Low
SDG No :	E2D35	File Name	E2D35

CAS No	Compound Name	RT	Concentration (UG/KG)	Q*
	STRAIGHT-CHAIN ALKANE	5.32	28	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2D44
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location.	A7-GP-23A
Case No.:	33283	Matrix/Level·	Soil/Low
SDG No.:	E2D35	File Name·	E2D35

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	STRAIGHT-CHAIN ALKANE	5.32	26	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.:		E2D45	
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	A7-GP-23D
Case No.:	33283	Matrix/Level:	Soil/Low
SDG No.:	E2D35	File Name:	E2D35

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	STRAIGHT-CHAIN ALKANE	5.32	84	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2D46
Sample Type	Spike Original		
Lab ID.	CEIMIC	Location:	A7-MW-135B
Case No.:	33283	Matrix/Level.	Soil/Med
SDG No.:	E2D35	File Name:	E2D35

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	12 45	3200	J
	BRANCHED ALKANE	12.60	2600	J
	STRAIGHT-CHAIN ALKANE	13.07	10000	J
	CYCLIC ALKANE	13.45	7500	J
	CYCLIC ALKANE	13 55	2600	J
	CYCLIC ALKANE	13.68	2700	J
	CYCLIC ALKANE	13.74	7100	J
	UNKNOWN	13.81	15000	J
	CYCLIC ALKANE	13.92	3100	J
	BRANCHED ALKANE	14.06	4700	J
	UNKNOWN	14.09	4000	J
	BRANCHED ALKANE	14.21	4800	J
	CYCLIC ALKANE	14.33	12000	J
	UNKNOWN	14 48	7200	J
	STRAIGHT-CHAIN ALKANE	14.61	29000	J
	CYCLIC ALKANE	14.66	5500	J
526738	BENZENE, 1,2,3-TRIMETHYL-	14.70	3500	NJ
	UNKNOWN ALKENE	14 76	3500	J
	CYCLIC ALKANE	14.80	2700	J
	CYCLIC ALKANE	14 85	3500	J
	C3-BENZENE ISOMER	14.94	11000	J
	UNKNOWN	15.07	4200	J
95363	1,2,4-TRIMETHYLBENZENE	15.13	6600	NJ
	CYCLIC ALKANE	15.21	4600	J
	CYCLIC ALKANE	15.30	4300	J
	CYCLIC ALKANE	15.33	11000	J
535773	BENZENE, 1-METHYL-3-(1-METHYLETHYL)-	15 41	4500	NJ
535773	BENZENE, 1-METHYL-3-(1-METHYLETHYL)-	15.47	4700	NJ
	UNKOWN ALKYNE	15.55	2400	J
526738	BENZENE, 1,2,3-TRIMETHYL-	15.62	5700	NJ
	CYCLIC ALKANE	15 65	1700	J
1074437	BENZENE, 1-METHYL-3-PROPYL-	15.84	5400	NJ
493027	NAPHTHALENE, DECAHYDRO-, TRANS-	15.90	14000	NJ
	STRAIGHT-CHAIN ALKANE	15.96	6000	J
135013	BENZENE, 1,2-DIETHYL-	16 05	2900	NJ
135988	BENZENE, (1-METHYLPROPYL)-	16 13	3500	NJ
934805	BENZENE, 4-ETHYL-1,2-DIMETHYL-	16.22	2500	NJ
934805	BENZENE, 4-ETHYL-1,2-DIMETHYL-	16.26	4500	NJ
933982	BENZENE, 1-ETHYL-2,3-DIMETHYL-	16.34	4800	NJ
	C4-BENZENE ISOMER	16.49	5300	J
89827	PULEGONE	16.62	2900	NJ
527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	16 69	3000	NJ

95932	BENZENE, 1,2,4,5-TETRAMETHYL-	16.86	4500	NJ
	C5-BENZENE ISOMER	16.91	2700	J
	UNKNOWN	17.11	2100	J
	UNKNOWN	17.18	2200	J
527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	17.33	4800	NJ
4706905	BENZENE, 1,3-DIMETHYL-5-(1-METHYLETHYL)-	18.06	7000	NJ

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2D52
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	A7-GP-36A
Case No.:	33283	Matrix/Level:	Soil/Low
SDG No.:	E2D35	File Name:	E2D35

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
123353	.BETA -MYRCENE	14.12	30	NJ
5989548	CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL	14.77	50	NJ
527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	14.85	15	NJ

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.·	VBLKPY
Sample Type.	Method Blank		
Lab ID.	CEIMIC	Location.	
Case No.:	33283	Matrix/Level·	Soil/Med
SDG No :	E2D35	File Name.	E2D35

CAS No	Compound Name	RT	Concentration (UG/KG)	Q*
	HALOGENATED HYDROCARBON	20 23	9900	J

*Q: Laboratory Qualifier

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D35
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION Number of Soil Samples : 19
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	E2D35		E2D36		E2D37		E2D37RE		E2D38	
Sampling Location :	A7-GP-01A		A7-GP-01B		A7-GP-02A		A7-GP-02A		A7-GP-03A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	8/30/2004		8/30/2004		8/30/2004		8/30/2004		8/30/2004	
Time Sampled :	09:27		09:35		10:15		10:15		11:04	
%Moisture :	13		2		19		19		23	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMET	10	UJ	14	UJ	2200	UJ	2200	UJ	12	UJ
CHLOROMETHANE	10	U	14	U	470	J	2200	UJ	12	U
VINYLCHLORIDE	10	UJ	14	UJ	2200	UJ	2200	UJ	12	UJ
BROMOMETHANE	10	U	14	U	2200	U	2200	U	12	U
CHLOROETHANE	10	UJ	14	UJ	2200	UJ	2200	UJ	12	UJ
TRICHLOROFLUOROMET	10	U	14	U	2200	U	2200	U	12	U
1,1-DICHLOROETHENE	10	UJ	14	UJ	2200	UJ	2200	UJ	12	UJ
1,1,2-TRICHLORO-1,2,2-TF	10	UJ	14	UJ	2200	U	2200	U	12	U
ACETONE	10	UJ	14	UJ	2200	UJ	2200	UJ	12	UJ
CARBON DISULFIDE	10	U	14	U	2200	U	2200	U	12	U
METHYL ACETATE	10	UJ	14	UJ	2200	UJ	2200	UJ	12	UJ
METHYLENE CHLORIDE	20	UJ	32	UJ	2200	U	2200	UJ	19	UJ
TRANS-1,2-DICHLOROET	10	UJ	14	UJ	2200	UJ	2200	UJ	12	UJ
METHYL TERT-BUTYL ET	10	U	14	U	2200	U	2200	U	12	U
1,1-DICHLOROETHANE	10	UJ	14	UJ	2200	UJ	2200	UJ	12	UJ
CIS-1,2-DICHLOROETHEN	14		13	J	2600	J	2600	J	12	U
2-BUTANONE	10	UJ	14	UJ	2200	UJ	2200	UJ	12	UJ
CHLOROFORM	10	U	14	U	2200	U	2200	U	12	U
1,1,1-TRICHLOROETHANE	32		14	U	3000		3000		12	U
CYCLOHEXANE	10	UJ	14	UJ	2200	U	2200	U	12	U
CARBON TETRACHLORID	10	UJ	14	UJ	2200	UJ	2200	UJ	12	UJ
BENZENE	10	U	14	U	2200	U	2200	U	12	U
1,2-DICHLOROETHANE	10	UJ	14	UJ	2200	UJ	2200	UJ	12	UJ
TRICHLOROETHENE	2	J	7	J	2200	U	2200	U	12	U
METHYLCYCLOHEXANE	10	UJ	14	UJ	2200	UJ	2200	UJ	12	UJ
1,2-DICHLOROPROPANE	10	U	14	U	2200	U	2200	U	12	U
BROMODICHLOROMETHA	10	UJ	14	UJ	2200	UJ	2200	UJ	12	UJ
CIS-1,3-DICHLOROPROPE	10	U	14	U	2200	U	2200	U	12	U
4-METHYL-2-PENTANONE	10	UJ	14	UJ	2200	UJ	2200	UJ	12	UJ
TOLUENE	4	J	6	J	1200	J	1200	J	8	J
TRANS-1,3-DICHLOROPR	10	UJ	14	UJ	2200	UJ	2200	UJ	12	UJ
1,1,2-TRICHLOROETHANE	10	U	14	U	2200	U	2200	U	12	U
TETRACHLOROETHENE	12		62		520		520		12	U

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D35
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION Number of Soil Samples : 19
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	E2D35		E2D36		E2D37		E2D37RE		E2D38	
Sampling Location :	A7-GP-01A		A7-GP-01B		A7-GP-02A		A7-GP-02A		A7-GP-03A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	8/30/2004		8/30/2004		8/30/2004		8/30/2004		8/30/2004	
Time Sampled :	09:27		09:35		10:15		10:15		11:04	
%Moisture :	13		2		19		19		23	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U	14	U	2200	U	2200	U	12	U
DIBROMOCHLOROMETHA	10	U	14	U	2200	U	2200	U	12	U
1,2-DIBROMOETHANE	10	U	14	U	2200	U	2200	U	12	U
CHLOROBENZENE	10	U	14	U	2200	U	2200	U	12	U
ETHYLBENZENE	10	U	14	U	7200	J	7200	J	12	U
XYLENES (TOTAL)	10	U	14	U	75000	J	77000	J	12	U
STYRENE	10	U	14	U	2200	U	2200	U	12	U
BROMOFORM	10	U	14	U	2200	U	2200	U	12	U
ISOPROPYLBENZENE	10	U	14	U	2200	U	2200	U	12	U
1,1,2,2-TETRACHLOROET	10	U	14	U	2200	U	2200	U	12	U
1,3-DICHLOROBENZENE	10	U	14	U	2200	U	2200	U	12	U
1,4-DICHLOROBENZENE	10	U	14	U	2200	U	2200	U	12	U
1,2-DICHLOROBENZENE	10	U	14	U	2200	U	2200	U	12	U
1,2-DIBROMO-3-CHLOROP	10	U	14	U	2200	U	2200	U	12	UJ
1,2,4-TRICHLOROBENZEN	10	U	14	U	2200	U	2200	U	12	U

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D35
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION SITE Number of Soil Samples : 19
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	E2D39		E2D40		E2D41		E2D41MS		E2D41MSD	
Sampling Location :	A7-GP-04A		A7-GP-05A		A7-GP-19A		A7-GP-19A		A7-GP-19A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	8/30/2004		8/30/2004		8/30/2004		8/30/2004		8/30/2004	
Time Sampled :	11:32		12:14		14:08		14:08		14:08	
%Moisture :	16		8		8		8		8	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMET	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
CHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
VINYL CHLORIDE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
BROMOMETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROETHANE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
TRICHLOROFLUOROMET	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHENE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
1,1,2-TRICHLORO-1,2,2-TI	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
ACETONE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
CARBON DISULFIDE	10	U	10	U	10	U	10	U	10	U
METHYL ACETATE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
METHYLENE CHLORIDE	18	UJ	12	UJ	18	UJ	27	UJ	24	UJ
TRANS-1,2-DICHLOROETH	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
METHYL TERT-BUTYL ET	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHANE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
CIS-1,2-DICHLOROETHEN	10	U	10	U	5	J	31		8	J
2-BUTANONE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
CHLOROFORM	10	U	10	U	10	U	10	U	10	U
1,1,1-TRICHLOROETHANE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
CYCLOHEXANE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
CARBON TETRACHLORID	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
BENZENE	10	U	10	U	10	U	34		34	
1,2-DICHLOROETHANE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
TRICHLOROETHENE	10	U	10	U	10	U	35		34	
METHYLCYCLOHEXANE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U	10	U
BROMODICHLOROMETHA	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
CIS-1,3-DICHLOROPROPE	10	U	10	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
TOLUENE	4	J	2	J	2	J	37		37	
TRANS-1,3-DICHLOROPR	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TETRACHLOROETHENE	10	UJ	10	UJ	2	J	4	J	2	J

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D35
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION Number of Soil Samples : 19
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	E2D39		E2D40		E2D41		E2D41MS		E2D41MSD	
Sampling Location :	A7-GP-04A		A7-GP-05A		A7-GP-19A		A7-GP-19A		A7-GP-19A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	8/30/2004		8/30/2004		8/30/2004		8/30/2004		8/30/2004	
Time Sampled :	11:32		12:14		14:08		14:08		14:08	
%Moisture :	16		8		8		8		8	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DIBROMOCHLOROMETHA	10	U	10	U	10	U	10	U	10	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CHLOROBENZENE	10	U	10	U	10	U	33		34	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
XYLENES (TOTAL)	10	U	10	U	10	U	10	U	10	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
BROMOFORM	10	U	10	U	10	U	10	U	10	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,1,2,2-TETRACHLOROET	10	U	10	U	10	U	10	U	10	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,4-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2-DIBROMO-3-CHLOROP	10	U	10	U	10	U	10	U	10	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D35
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION Number of Soil Samples : 19
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	E2D42		E2D43		E2D44		E2D45		E2D46	
Sampling Location :	A7-GP-18A		A7-GP-20A		A7-GP-23A		A7-GP-23D		A7-MW-135B	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	8/30/2004		8/30/2004		8/30/2004		8/30/2004		8/30/2004	
Time Sampled :	13:32		14:49		15:35		15:35		15:30	
%Moisture :	13		7		13		14		8	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROME	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ
CHLOROMETHANE	1300	U	10	U	10	U	10	U	1300	U
VINYL CHLORIDE	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ
BROMOMETHANE	1300	U	10	U	10	U	10	U	1300	U
CHLOROETHANE	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ
TRICHLOROFLUOROMET	1300	U	10	U	10	U	10	U	1300	U
1,1-DICHLOROETHENE	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ
1,1,2-TRICHLORO-1,2,2-TI	1300	U	10	UJ	10	UJ	10	UJ	1300	U
ACETONE	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ
CARBON DISULFIDE	1300	U	10	U	10	U	10	U	1300	U
METHYL ACETATE	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ
METHYLENE CHLORIDE	1300	U	18	UJ	17	UJ	24	UJ	1300	U
TRANS-1,2-DICHLOROE	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ
METHYL TERT-BUTYL ET	1300	U	10	U	10	U	10	U	1300	U
1,1-DICHLOROETHANE	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ
CIS-1,2-DICHLOROETHEN	1300	U	10	U	10	U	10	U	1300	U
2-BUTANONE	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ
CHLOROFORM	1300	U	10	U	10	U	10	U	1300	U
1,1,1-TRICHLOROETHANE	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ
CYCLOHEXANE	1300	U	10	UJ	10	UJ	10	UJ	1300	U
CARBON TETRACHLORID	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ
BENZENE	1300	U	10	U	10	U	10	U	1300	U
1,2-DICHLOROETHANE	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ
TRICHLOROETHENE	1300	U	10	U	10	U	10	U	1300	U
METHYLCYCLOHEXANE	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ
1,2-DICHLOROPROPANE	1300	U	10	U	10	U	10	U	1300	U
BROMODICHLOROMETHA	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ
CIS-1,3-DICHLOROPROPE	1300	U	10	U	10	U	10	U	1300	U
4-METHYL-2-PENTANONE	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ
TOLUENE	1300	U	1	J	10	U	10	U	1300	U
TRANS-1,3-DICHLOROPR	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ
1,1,2-TRICHLOROETHANE	1300	U	10	U	10	U	10	U	1300	U
TETRACHLOROETHENE	1300	UJ	10	UJ	10	UJ	10	UJ	1300	UJ

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D35
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION (Phase) Number of Soil Samples : 19
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	E2D42		E2D43		E2D44		E2D45		E2D46	
Sampling Location :	A7-GP-18A		A7-GP-20A		A7-GP-23A		A7-GP-23D		A7-MW-135B	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	8/30/2004		8/30/2004		8/30/2004		8/30/2004		8/30/2004	
Time Sampled :	13:32		14:49		15:35		15:35		15:30	
%Moisture :	13		7		13		14		8	
pH :	7.0		7 0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DIBROMOCHLOROMETHA	1300	U	10	U	10	U	10	U	1300	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CHLOROBENZENE	1300	U	10	U	10	U	10	U	1300	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
XYLENES (TOTAL)	1300	U	10	U	10	U	10	U	97	J
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
BROMOFORM	1300	U	10	U	10	U	10	U	1300	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,1,2,2-TETRACHLOROET	1300	U	10	U	10	U	10	U	1300	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,4-DICHLOROBENZENE	1300	U	10	U	10	U	10	U	1300	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2-DIBROMO-3-CHLOROP	1300	U	10	U	10	U	10	U	1300	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D35
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION SITE Number of Soil Samples : 19
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	E2D46MS		E2D46MSD		E2D47		E2D48		E2D50	
Sampling Location :	A7-MW-135B		A7-MW-135B		A7-GP-24A		A7-GP-32A		A7-GP-33A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	8/30/2004		8/30/2004		8/31/2004		8/31/2004		8/31/2004	
Time Sampled :	15:30		15:30		08:40		09:04		09:41	
%Moisture :	8		8		9		6		8	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROME	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
CHLOROMETHANE	1300	U	1300	U	10	U	10	U	10	U
VINYL CHLORIDE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
BROMOMETHANE	1300	U	1300	U	10	U	10	U	10	U
CHLOROETHANE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
TRICHLOROFLUOROMET	1300	U	1300	U	10	U	10	U	10	U
1,1-DICHLOROETHENE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
1,1,2-TRICHLORO-1,2,2-TI	1300	U	1300	U	10	U	10	U	10	U
ACETONE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
CARBON DISULFIDE	1300	U	1300	U	10	U	10	U	10	U
METHYL ACETATE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
METHYLENE CHLORIDE	1300	U	1300	U	19	UJ	23	UJ	19	UJ
TRANS-1,2-DICHLOROET	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
METHYL TERT-BUTYL ET	1300	U	1300	U	10	U	10	U	10	U
1,1-DICHLOROETHANE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
CIS-1,2-DICHLOROETHEN	1300	U	1300	U	10	U	10	U	10	U
2-BUTANONE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
CHLOROFORM	1300	U	1300	U	10	U	10	U	10	U
1,1,1-TRICHLOROETHANE	1300	UJ	410	J	10	UJ	10	UJ	10	UJ
CYCLOHEXANE	1300	U	1300	U	10	U	10	U	10	U
CARBON TETRACHLORID	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
BENZENE	4700	J	4700	J	10	U	10	U	10	U
1,2-DICHLOROETHANE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
TRICHLOROETHENE	5000	J	5100	J	10	U	10	U	10	U
METHYLCYCLOHEXANE	180	J	180	J	10	UJ	10	UJ	10	UJ
1,2-DICHLOROPROPANE	1300	U	1300	U	10	U	10	U	10	U
BROMODICHLOROMETHA	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
CIS-1,3-DICHLOROPROPE	1300	U	1300	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
TOLUENE	4900	J	4900	J	3	J	3	J	2	J
TRANS-1,3-DICHLOROPR	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
1,1,2-TRICHLOROETHANE	330	J	350	J	10	U	10	U	10	U
TETRACHLOROETHENE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D35
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION SITE Number of Soil Samples : 19
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	E2D46MS		E2D46MSD		E2D47		E2D48		E2D50	
Sampling Location :	A7-MW-135B		A7-MW-135B		A7-GP-24A		A7-GP-32A		A7-GP-33A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	8/30/2004		8/30/2004		8/31/2004		8/31/2004		8/31/2004	
Time Sampled :	15:30		15:30		08:40		09:04		09:41	
%Moisture :	8		8		9		6		8	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
DIBROMOCHLOROMETHA	1300	U	1300	U	10	U	10	U	10	U
1,2-DIBROMOETHANE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
CHLOROBENZENE	5000	J	5000	J	10	U	10	U	10	U
ETHYLBENZENE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
XYLENES (TOTAL)	97	J	99	J	10	U	10	U	10	U
STYRENE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
BROMOFORM	1300	U	1300	U	10	U	10	U	10	U
ISOPROPYLBENZENE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
1,1,2,2-TETRACHLOROET	1300	U	1300	U	10	U	10	U	10	U
1,3-DICHLOROBENZENE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
1,4-DICHLOROBENZENE	1300	U	1300	U	10	U	10	U	10	U
1,2-DICHLOROBENZENE	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ
1,2-DIBROMO-3-CHLOROP	1300	U	1300	U	10	UJ	10	UJ	10	UJ
1,2,4-TRICHLOROBENZEN	1300	UJ	1300	UJ	10	UJ	10	UJ	10	UJ

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D35
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION Number of Soil Samples : 19
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	E2D51		E2D52		E2D53		E2D54		VBLKLB	
Sampling Location :	A7-GP-34A		A7-GP-36A		A7-GP-37A		A7-MW-X1B			
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	8/31/2004		8/31/2004		8/31/2004		8/31/2004			
Time Sampled :	10:24		10:59		11:31		11:45			
%Moisture :	8		13		21		9		N/A	
pH :	7.0		7.0		7.0		7.0			
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMET	10	U	10	U	12	U	10	U	10	U
CHLOROMETHANE	10	U	10	U	12	U	10	U	10	U
VINYL CHLORIDE	10	U	10	U	12	U	10	U	10	U
BROMOMETHANE	10	U	10	U	12	U	10	U	10	U
CHLOROETHANE	10	U	10	U	12	U	10	U	10	U
TRICHLOROFLUOROMET	10	U	10	U	12	U	10	U	10	U
1,1-DICHLOROETHENE	10	U	10	U	12	U	10	U	10	U
1,1,2-TRICHLORO-1,2,2-TF	10	U	10	U	12	U	10	U	10	UJ
ACETONE	10	U	10	U	12	U	10	U	10	U
CARBON DISULFIDE	10	U	10	U	12	U	10	U	10	U
METHYL ACETATE	10	U	10	U	12	U	10	U	10	U
METHYLENE CHLORIDE	22	UJ	35	UJ	23	UJ	16	UJ	17	J
TRANS-1,2-DICHLOROET	10	U	10	U	12	U	10	U	10	U
METHYL TERT-BUTYL ET	10	U	10	U	12	U	10	U	10	U
1,1-DICHLOROETHANE	10	U	10	U	12	U	10	U	10	U
CIS-1,2-DICHLOROETHEN	10	U	10	U	12	U	10	U	10	U
2-BUTANONE	10	U	10	U	12	U	10	U	10	U
CHLOROFORM	10	U	10	U	12	U	10	U	10	U
1,1,1-TRICHLOROETHANE	10	U	10	U	12	U	10	U	10	U
CYCLOHEXANE	10	U	10	U	12	U	10	U	10	UJ
CARBON TETRACHLORID	10	U	10	U	12	U	10	U	10	U
BENZENE	10	U	10	U	12	U	10	U	10	U
1,2-DICHLOROETHANE	10	U	10	U	12	U	10	U	10	U
TRICHLOROETHENE	10	U	10	U	12	U	10	U	10	U
METHYLCYCLOHEXANE	10	U	10	U	12	U	10	U	10	U
1,2-DICHLOROPROPANE	10	U	10	U	12	U	10	U	10	U
BROMODICHLOROMETHA	10	U	10	U	12	U	10	U	10	U
CIS-1,3-DICHLOROPROPE	10	U	10	U	12	U	10	U	10	U
4-METHYL-2-PENTANONE	10	U	10	U	12	U	10	U	10	U
TOLUENE	2	J	3	J	2	J	2	J	10	U
TRANS-1,3-DICHLOROPR	10	U	10	U	12	U	10	U	10	U
1,1,2-TRICHLOROETHANE	10	U	10	U	12	U	10	U	10	U
TETRACHLOROETHENE	10	U	10	U	12	U	12	J	10	U

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D35
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION Number of Soil Samples : 19
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	E2D51		E2D52		E2D53		E2D54		VBLKLB	
Sampling Location :	A7-GP-34A		A7-GP-36A		A7-GP-37A		A7-MW-X1B			
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	8/31/2004		8/31/2004		8/31/2004		8/31/2004			
Time Sampled :	10:24		10:59		11:31		11:45			
%Moisture :	8		13		21		9		N/A	
pH .	7.0		7.0		7.0		7.0			
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	UJ	10	UJ	12	UJ	10	UJ	10	UJ
DIBROMOCHLOROMETHA	10	U	10	U	12	U	10	U	10	U
1,2-DIBROMOETHANE	10	UJ	10	UJ	12	UJ	10	UJ	10	UJ
CHLOROBENZENE	10	U	10	U	12	U	10	U	10	U
ETHYLBENZENE	10	UJ	10	UJ	12	UJ	10	UJ	10	UJ
XYLENES (TOTAL)	10	U	10	U	12	U	10	U	10	U
STYRENE	10	UJ	10	UJ	12	UJ	10	UJ	10	UJ
BROMOFORM	10	U	10	U	12	U	10	U	10	U
ISOPROPYLBENZENE	10	UJ	10	UJ	12	UJ	10	UJ	10	UJ
1,1,2,2-TETRACHLOROET	10	U	10	U	12	U	10	U	10	U
1,3-DICHLOROBENZENE	10	UJ	10	UJ	12	UJ	10	UJ	10	UJ
1,4-DICHLOROBENZENE	10	U	10	U	12	U	10	U	10	U
1,2-DICHLOROBENZENE	10	UJ	10	UJ	12	UJ	10	UJ	10	UJ
1,2-DIBROMO-3-CHLOROP	10	UJ	10	UJ	12	UJ	10	UJ	10	U
1,2,4-TRICHLOROBENZEN	10	UJ	10	UJ	12	UJ	10	UJ	10	UJ

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D35
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION Number of Soil Samples : 19
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	VBLKLC		VBLKPA		VBLKPV		VBLKPY			
Sampling Location :										
Matrix :	Soil		Soil		Soil		Soil			
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROME	10	U	1300	UJ	1300	U	1300	UJ		
CHLOROMETHANE	10	U	1300	UJ	1300	U	1300	UJ		
VINYL CHLORIDE	10	U	1300	UJ	1300	U	1300	UJ		
BROMOMETHANE	10	U	1300	U	1300	U	1300	U		
CHLOROETHANE	10	U	1300	UJ	1300	U	1300	UJ		
TRICHLOROFLUOROMET	10	U	1300	U	1300	U	1300	U		
1,1-DICHLOROETHENE	10	U	1300	U	1300	U	1300	U		
1,1,2-TRICHLORO-1,2,2-TR	10	U	1300	U	1300	U	1300	U		
ACETONE	21	U	1300	U	1300	U	1300	U		
CARBON DISULFIDE	10	U	1300	U	1300	U	1300	U		
METHYL ACETATE	10	U	1300	U	1300	U	1300	U		
METHYLENE CHLORIDE	20	J	440	J	710	J	1200	J		
TRANS-1,2-DICHLOROET	10	U	1300	U	1300	U	1300	U		
METHYL TERT-BUTYL ET	10	U	1300	U	1300	U	1300	U		
1,1-DICHLOROETHANE	10	U	1300	U	1300	U	1300	U		
CIS-1,2-DICHLOROETHEN	10	U	1300	U	1300	U	1300	U		
2-BUTANONE	10	U	1300	U	1300	U	1300	U		
CHLOROFORM	10	U	1300	U	1300	U	1300	U		
1,1,1-TRICHLOROETHANE	10	U	1300	U	1300	U	1300	U		
CYCLOHEXANE	10	U	1300	U	1300	U	1300	U		
CARBON TETRACHLORID	10	U	1300	U	1300	U	1300	U		
BENZENE	10	U	1300	U	1300	U	1300	U		
1,2-DICHLOROETHANE	10	U	1300	U	1300	U	1300	U		
TRICHLOROETHENE	10	U	1300	U	1300	U	1300	U		
METHYLCYCLOHEXANE	10	U	1300	U	1300	U	1300	U		
1,2-DICHLOROPROPANE	10	U	1300	U	1300	U	1300	U		
BROMODICHLOROMETH	10	U	1300	U	1300	U	1300	U		
CIS-1,3-DICHLOROPROPE	10	U	1300	U	1300	U	1300	U		
4-METHYL-2-PENTANONE	10	U	1300	U	1300	U	1300	U		
TOLUENE	10	U	1300	U	1300	U	1300	U		
TRANS-1,3-DICHLOROPR	10	U	1300	U	1300	U	1300	U		
1,1,2-TRICHLOROETHANE	10	U	1300	U	1300	U	1300	U		
TETRACHLOROETHENE	10	U	1300	U	1300	U	1300	U		

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D35
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION Number of Soil Samples : 19
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	VBLKLC		VBLKPA		VBLKPV		VBLKPY			
Sampling Location :										
Matrix :	Soil		Soil		Soil		Soil			
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	UJ	1300	UJ	1300	UJ	1300	UJ		
DIBROMOCHLOROMETHA	10	U	1300	U	1300	U	1300	U		
1,2-DIBROMOETHANE	10	UJ	1300	UJ	1300	UJ	1300	UJ		
CHLOROBENZENE	10	U	1300	U	1300	U	1300	U		
ETHYLBENZENE	10	UJ	1300	UJ	1300	UJ	1300	UJ		
XYLENES (TOTAL)	10	U	1300	U	1300	U	1300	U		
STYRENE	10	UJ	1300	UJ	1300	UJ	1300	UJ		
BROMOFORM	10	U	1300	U	1300	U	1300	U		
ISOPROPYLBENZENE	10	UJ	1300	UJ	1300	UJ	1300	UJ		
1,1,2,2-TETRACHLOROET	10	U	1300	U	1300	U	1300	U		
1,2-DICHLOROBENZENE	10	UJ	1300	UJ	1300	UJ	1300	UJ		
1,4-DICHLOROBENZENE	10	U	1300	U	1300	U	1300	U		
1,2-DICHLOROBENZENE	10	UJ	1300	UJ	1300	UJ	1300	UJ		
1,2-DIBROMO-3-CHLOROP	10	UJ	1300	U	1300	U	1300	U		
1,2,4-TRICHLOROBENZEN	10	UJ	1300	UJ	1300	UJ	1300	UJ		

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D35
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION Number of Soil Samples : 19
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	E2D49		VBLKPT		VBLKPZ		VHBLK01			
Sampling Location :	A7-MW-X1(R)									
Matrix :	Water		Water		Water		Water			
Units :	ug/L		ug/L		ug/L		ug/L			
Date Sampled :	8/31/2004									
Time Sampled :	09:35									
%Moisture :	N/A		N/A		N/A		N/A			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROME	10	UJ	10	UJ	10	UJ	10	UJ		
CHLOROMETHANE	10	UJ	10	UJ	10	UJ	10	UJ		
VINYL CHLORIDE	10	U	10	U	10	U	10	U		
BROMOMETHANE	10	U	10	U	10	U	10	U		
CHLOROETHANE	10	U	10	U	10	U	10	U		
TRICHLOROFLUOROMET	10	U	10	U	10	U	10	U		
1,1-DICHLOROETHENE	10	U	10	U	10	U	10	U		
1,1,2-TRICHLORO-1,2,2-TF	10	U	10	U	10	U	10	U		
ACETONE	10	U	10	U	10	U	10	U		
CARBON DISULFIDE	10	U	10	U	10	U	10	U		
METHYL ACETATE	10	U	10	U	10	U	10	U		
METHYLENE CHLORIDE	18	U	16		2	J	10	UJ		
TRANS-1,2-DICHLOROET	10	U	10	U	10	U	10	U		
METHYL TERT-BUTYL ET	10	U	10	U	10	U	10	U		
1,1-DICHLOROETHANE	10	U	10	U	10	U	10	U		
CIS-1,2-DICHLOROETHEN	10	U	10	U	10	U	10	U		
2-BUTANONE	10	U	10	U	10	U	10	U		
CHLOROFORM	10	U	10	U	10	U	10	U		
1,1,1-TRICHLOROETHANE	10	U	10	U	10	U	10	U		
CYCLOHEXANE	10	U	10	U	10	U	10	U		
CARBON TETRACHLORID	10	U	10	U	10	U	10	U		
BENZENE	10	U	10	U	10	U	10	U		
1,2-DICHLOROETHANE	10	U	10	U	10	U	10	U		
TRICHLOROETHENE	10	U	10	U	10	U	10	U		
METHYLCYCLOHEXANE	10	U	10	U	10	U	10	U		
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U		
BROMODICHLOROMETHA	10	U	10	U	10	U	10	U		
CIS-1,3-DICHLOROPROPE	10	U	10	U	10	U	10	U		
4-METHYL-2-PENTANONE	10	U	10	U	10	U	10	U		
TOLUENE	2	J	10	U	10	U	10	U		
TRANS-1,3-DICHLOROPR	10	U	10	U	10	U	10	U		
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U		
TETRACHLOROETHENE	10	U	10	U	10	U	10	U		

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D35
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION Number of Soil Samples : 19
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	E2D49		VBLKPT		VBLKPZ		VHBLK01			
Sampling Location :	A7-MW-X1(R)									
Matrix :	Water		Water		Water		Water			
Units :	ug/L		ug/L		ug/L		ug/L			
Date Sampled :	8/31/2004									
Time Sampled :	09:35									
%Moisture :	N/A		N/A		N/A		N/A			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U	10	U	10	U	10	U		
DIBROMOCHLOROMETHA	10	U	10	U	10	U	10	U		
1,2-DIBROMOETHANE	10	U	10	U	10	U	10	U		
CHLOROBENZENE	10	U	10	U	10	U	10	U		
ETHYLBENZENE	10	U	10	U	10	U	10	U		
XYLENES (TOTAL)	1	J	10	U	10	U	10	U		
STYRENE	10	U	10	U	10	U	10	U		
BROMOFORM	10	U	10	U	10	U	10	U		
ISOPROPYLBENZENE	10	U	10	U	10	U	10	U		
1,1,2,2-TETRACHLOROET	10	U	10	U	10	U	10	U		
1,3-DICHLOROBENZENE	10	U	10	U	10	U	10	U		
1,4-DICHLOROBENZENE	10	U	10	U	10	U	10	U		
1,2-DICHLOROBENZENE	10	U	10	U	10	U	10	U		
1,2-DIBROMO-3-CHLOROP	10	U	1	J	1	J	10	U		
1,2,4-TRICHLOROBENZEN	10	U	10	U	10	U	10	U		

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:_____

SUBJECT: Review of Data
Received for Review on September 15, 2004

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: CDM

We have reviewed the data for the following case:

Site name: Southeast Rockford Groundwater Contamination (IL)

Case number: 33283 SDG Number: E2D55

Number and Type of Samples: 3 soil & 1water samples

Sample Numbers: E2D55, E2D56, E2D57, E2D58

Laboratory: Ceimic Hrs. for Review: _____

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Laboratory: **Ceimic** Case Number : **33283**
Site Name: **Southeast Rockford Groundwater Contamination (IL)** SDG Number: **E2D55**

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

One water sample (E2D58) and three soil samples (E2D55, E2D56, E2D57) were collected on 08/31/2004. The laboratory received the samples on 09/01/2004 in good condition. The samples were analyzed for the list of volatile analytes according to CLP SOW OLM04.3.

Reviewed By: Steffanie Tobin (Alion/ESAT)
Date: September 27, 2004

Laboratory: **Ceimic** Case Number : **33283**
Site Name: **Southeast Rockford Groundwater Contamination (IL)** SDG Number: **E2D55**

1. HOLDING TIME

No problems were found for this qualification.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems were found for this qualification.

3. CALIBRATION

The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

Methylene Chloride
E2D55, E2D55MS, E2D55MSD, E2D56, E2D57, VBLKLD, VBLKLE

The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Dichlorodifluoromethane
E2D55, E2D55MS, E2D55MSD, E2D56, E2D57, E2D58, VBLKLD, VBLKLE, VBLKPT, VBLKPZ, VHBLK01

Chloromethane
E2D58, VBLKPT, VBLKPZ, VHBLK01

Vinyl Chloride
E2D55, E2D56, E2D57, VBLKLD, VBLKPZ, VHBLK01

Chloroethane, Trichlorofluoromethane
E2D55, E2D56, E2D57, VBLKLD

1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane
E2D55, E2D55MS, E2D55MSD, E2D56, E2D57, VBLKLD, VBLKLE

Acetone
E2D55MS, E2D55MSD, VBLKLE

Methylene Chloride
E2D55, E2D55MS, E2D55MSD, E2D56, E2D57, VBLKLD, VBLKLE, VBLKPZ, VHBLK01

Laboratory: **Ceimic** Case Number : **33283**
Site Name: **Southeast Rockford Groundwater Contamination (IL)** SDG Number: **E2D55**

4. METHOD BLANKS

The following volatile samples have analyte concentrations reported above the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Hits are qualified "U" or "UJ" and non-detects are not flagged.

Acetone
E2D58

Methylene Chloride
E2D55, E2D55MS, E2D55MSD, E2D56, E2D57, E2D58

The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to five times (5X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

Methyl Acetate
E2D55MS

The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" or "UJ" and non-detects are not flagged.

Acetone
E2D55, E2D55MS, E2D55MSD, E2D56, E2D57, VHBLK01

Methylene Chloride
VHBLK01

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

No problems were found for this qualification.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No matrix spike/matrix spike duplicate were analyzed for the water sample fraction since the water sample is the QC blank.

The relative percent difference (RPD) between the following volatile matrix spike and matrix spike duplicate recoveries is outside criteria. Sample results for the outlier compounds in the unspiked sample E2D55 are estimated "J" and non-detects "UJ".

E2D55MS, E2D55MSD
Toluene, Chlorobenzene

The following volatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria. Sample results for the outlier compounds in the unspiked sample E2D55 are estimated "J" and non-detects "UJ".

E2D55MS
1,1-Dichloroethene, Benzene, Trichloroethene, Chlorobenzene

E2D55MSD
1,1-Dichloroethene

7. FIELD BLANK AND FIELD DUPLICATE

None of the samples in this data set were identified as field duplicates. Sample E2D58 was identified as the QC blank. The results for the QC blank are summarized in the following table:

Analytes dilution factor =	E2D58 1.0
Benzene	1 µg/L
Toluene	6 µg/L
Ethylbenzene	1 µg/L
Xylene (total)	7 µg/L

Results are not qualified based upon the results of the QC blank.

8. INTERNAL STANDARDS

No problems were found for this qualification.

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms, it appears that all VOA compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following volatile samples have analyte concentrations below the quantitation limit (CRQL).

Laboratory: **Ceimic** Case Number : **33283**
Site Name: **Southeast Rockford Groundwater Contamination (IL)** SDG Number: **E2D55**

All results below the CRQL are qualified "J".

E2D55
Toluene

E2D55MSD
Trichlorofluoromethane

E2D56, E2D57
Toluene

E2D58
Benzene, Toluene, Ethylbenzene, Xylenes (total)

VBLKLD
Acetone

VBLKLE
Dichlorodifluoromethane, Acetone, Methyl Acetate, Methylene Chloride

VBLKPT
1,2-Dibromo-3-chloropropane

VBLKPZ
Dichlorodifluoromethane, Acetone, Methylene Chloride, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene

11. SYSTEM PERFORMANCE

The GC/MS baseline indicated acceptable performance.

12. ADDITIONAL INFORMATION

No TIC was detected for the samples of this SDG.

Reviewed By: Steffanie Tobin (Alion/ESAT)
Date: September 27, 2004

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present)
H	Sample result is estimated and biased high.
L	Sample result is estimated and biased low.

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D55
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION Number of Soil Samples : 3
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	E2D55		E2D55MS		E2D55MSD		E2D56		E2D57	
Sampling Location :	A7-GP-17A		A7-GP-17A		A7-GP-17A		A7-GP-25A		A7-GP-40A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	8/31/2004		8/31/2004		8/31/2004		8/31/2004		8/31/2004	
Time Sampled :	12:51		12:51		12:51		13:14		13:46	
%Moisture :	9		9		9		12		23	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROME	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
CHLOROMETHANE	10	U	10	U	10	U	11	U	13	U
VINYL CHLORIDE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
BROMOMETHANE	10	U	10	U	10	U	11	U	13	U
CHLOROETHANE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
TRICHLOROFLUOROMET	10	UJ	10	U	2	J	11	UJ	13	UJ
1,1-DICHLOROETHENE	10	UJ	23	UJ	2	J	11	UJ	13	UJ
1,1,2-TRICHLORO-1,2,2-TF	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
ACETONE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
CARBON DISULFIDE	10	U	10	U	10	U	11	U	13	U
METHYL ACETATE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
METHYLENE CHLORIDE	18	UJ	16	UJ	16	UJ	19	UJ	27	UJ
TRANS-1,2-DICHLOROET	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
METHYL TERT-BUTYL ET	10	U	10	U	10	U	11	U	13	U
1,1-DICHLOROETHANE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
CIS-1,2-DICHLOROETHEN	10	U	10	U	10	U	11	U	13	U
2-BUTANONE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
CHLOROFORM	10	U	10	U	10	U	11	U	13	U
1,1,1-TRICHLOROETHANE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
CYCLOHEXANE	10	U	10	U	10	U	11	U	13	U
CARBON TETRACHLORID	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
BENZENE	10	UJ	28		31		11	U	13	U
1,2-DICHLOROETHANE	10	UJ	11	UJ	10	UJ	11	UJ	13	UJ
TRICHLOROETHENE	10	UJ	26		31		11	U	13	U
METHYLCYCLOHEXANE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
1,2-DICHLOROPROPANE	10	U	10	U	10	U	11	U	13	U
BROMODICHLOROMETHA	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
CIS-1,3-DICHLOROPROPE	10	U	10	U	10	U	11	U	13	U
4-METHYL-2-PENTANONE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
TOLUENE	2	J	30		36		2	J	2	J
TRANS-1,3-DICHLOROPR	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	11	U	13	U
TETRACHLOROETHENE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D55
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION Number of Soil Samples : 3
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	E2D55		E2D55MS		E2D55MSD		E2D56		E2D57	
Sampling Location :	A7-GP-17A		A7-GP-17A		A7-GP-17A		A7-GP-25A		A7-GP-40A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	8/31/2004		8/31/2004		8/31/2004		8/31/2004		8/31/2004	
Time Sampled :	12:51		12:51		12:51		13:14		13:46	
%Moisture :	9		9		9		12		23	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
DIBROMOCHLOROMETHA	10	U	10	U	10	U	11	U	13	U
1,2-DIBROMOETHANE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
CHLOROBENZENE	10	UJ	24		33		11	U	13	U
ETHYLBENZENE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
XYLENES (TOTAL)	10	U	10	U	10	U	11	U	13	U
STYRENE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
BROMOFORM	10	U	10	U	10	U	11	U	13	U
ISOPROPYLBENZENE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
1,1,2,2-TETRACHLOROET	10	U	10	U	10	U	11	U	13	U
1,3-DICHLOROBENZENE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
1,4-DICHLOROBENZENE	10	U	10	U	10	U	11	U	13	U
1,2-DICHLOROBENZENE	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ
1,2-DIBROMO-3-CHLOROP	10	U	10	U	10	U	11	U	13	U
1,2,4-TRICHLOROBENZEN	10	UJ	10	UJ	10	UJ	11	UJ	13	UJ

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D55
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION Number of Soil Samples : 3
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	VBLKLD		VBLKLE							
Sampling Location :										
Matrix :	Soil		Soil							
Units :	ug/Kg		ug/Kg							
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A							
pH :										
Dilution Factor :	1.0		1.0							
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMET	10	UJ	10	UJ						
CHLOROMETHANE	10	U	10	U						
VINYL CHLORIDE	10	UJ	10	UJ						
BROMOMETHANE	10	U	10	U						
CHLOROETHANE	10	UJ	10	UJ						
TRICHLOROFLUOROMET	10	UJ	10	U						
1,1-DICHLOROETHENE	10	UJ	10	UJ						
1,1,2-TRICHLORO-1,2,2-TF	10	UJ	10	UJ						
ACETONE	21	J	9	J						
CARBON DISULFIDE	10	U	10	U						
METHYL ACETATE	18	J	9	J						
METHYLENE CHLORIDE	19	J	9	J						
TRANS-1,2-DICHLOROET	10	U	10	U						
METHYL TERT-BUTYL ETI	10	U	10	U						
1,1-DICHLOROETHANE	10	U	10	U						
CIS-1,2-DICHLOROETHEN	10	U	10	U						
2-BUTANONE	10	U	10	U						
CHLOROFORM	10	U	10	U						
1,2-DICHLOROETHANE	10	U	10	U						
CYCLOHEXANE	10	U	10	U						
CARBON TETRACHLORID	10	U	10	U						
BENZENE	10	U	10	U						
1,2-DICHLOROETHANE	10	U	10	U						
TRICHLOROETHENE	10	U	10	U						
METHYLCYCLOHEXANE	10	U	10	U						
1,2-DICHLOROPROPANE	10	U	10	U						
BROMODICHLOROMETH	10	U	10	U						
CIS-1,3-DICHLOROPROPE	10	U	10	U						
4-METHYL-2-PENTANONE	10	U	10	U						
TOLUENE	10	U	10	U						
TRANS-1,3-DICHLOROPR	10	U	10	U						
1,1,2-TRICHLOROETHANE	10	U	10	U						
TETRACHLOROETHENE	10	U	10	U						

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D55
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION Number of Soil Samples : 3
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	VBLKLD		VBLKLE							
Sampling Location :										
Matrix :	Soil		Soil							
Units :	ug/Kg		ug/Kg							
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A							
pH :										
Dilution Factor :	1.0		1.0							
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U	10	U						
DIBROMOCHLOROMETHA	10	U	10	U						
1,2-DIBROMOETHANE	10	U	10	U						
CHLOROBENZENE	10	U	10	U						
ETHYLBENZENE	10	U	10	U						
XYLENES (TOTAL)	10	U	10	U						
STYRENE	10	U	10	U						
BROMOFORM	10	U	10	U						
1,4-DICHLOROBENZENE-D	10	U	10	U						
1,1,2,2-TETRACHLOROET	10	U	10	U						
1,2-DICHLOROBENZENE	10	U	10	U						
1,4-DICHLOROBENZENE	10	U	10	U						
1,2-DICHLOROBENZENE	10	U	10	U						
1,2-DIBROMO-3-CHLOROP	10	U	10	U						
1,2,4-TRICHLOROBENZEN	10	U	10	U						

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D55
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION Number of Soil Samples : 3
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	E2D58		VBLKPT		VBLKPZ		VHBLK01			
Sampling Location :	A7-GP-40A(R)									
Matrix :	Water		Water		Water		Water			
Units :	ug/L		ug/L		ug/L		ug/L			
Date Sampled :	8/31/2004									
Time Sampled :	14:13									
%Moisture :	N/A		N/A		N/A		N/A			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROME	10	UJ	10	UJ	10	UJ	10	UJ		
CHLOROMETHANE	10	UJ	10	UJ	10	UJ	10	UJ		
VINYL CHLORIDE	10	UJ	10	UJ	10	UJ	10	UJ		
BROMOMETHANE	10	U	10	U	10	U	10	U		
CHLOROETHANE	10	UJ	10	UJ	10	UJ	10	UJ		
TRICHLOROFLUOROMET	10	U	10	U	10	U	10	U		
1,1-DICHLOROETHENE	10	UJ	10	UJ	10	UJ	10	UJ		
1,1,2-TRICHLORO-1,2,2-TF	10	U	10	U	10	U	10	U		
ACETONE	10	UJ	10	UJ	5	J	10	UJ		
CARBON DISULFIDE	10	U	10	U	10	U	10	U		
METHYL ACETATE	10	UJ	10	UJ	10	UJ	10	UJ		
METHYLENE CHLORIDE	16	U	16		2	J	10	UJ		
TRANS-1,2-DICHLOROET	10	UJ	10	UJ	10	UJ	10	UJ		
METHYL TERT-BUTYL ET	10	U	10	U	10	U	10	U		
1,1-DICHLOROETHANE	10	UJ	10	UJ	10	UJ	10	UJ		
CIS-1,2-DICHLOROETHEN	10	U	10	U	10	U	10	U		
2-BUTANONE	10	UJ	10	UJ	10	UJ	10	UJ		
CHLOROFORM	10	U	10	U	10	U	10	U		
1,1,1-TRICHLOROETHANE	10	U	10	U	10	U	10	U		
CYCLOHEXANE	10	U	10	U	10	U	10	U		
CARBON TETRACHLORID	10	U	10	U	10	U	10	U		
BENZENE	1	J	10	U	10	U	10	U		
1,2-DICHLOROETHANE	10	U	10	U	10	U	10	U		
TRICHLOROETHENE	10	U	10	U	10	U	10	U		
METHYLCYCLOHEXANE	10	U	10	U	10	U	10	U		
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U		
BROMODICHLOROMETH	10	U	10	U	10	U	10	U		
CIS-1,3-DICHLOROPROPE	10	U	10	U	10	U	10	U		
4-METHYL-2-PENTANONE	10	UJ	10	UJ	10	UJ	10	UJ		
TOLUENE	6	J	10	U	10	U	10	U		
TRANS-1,3-DICHLOROPR	10	U	10	U	10	U	10	U		
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U		
TETRACHLOROETHENE	10	U	10	U	10	U	10	U		

Analytical Results (Qualified Data)

Case #: 33283 SDG : E2D55
Site : SOUTHEAST ROCKFORD GROUNDWATER CONTAMINATION Number of Soil Samples : 3
Lab. : CEIMIC Number of Water Samples : 1
Reviewer : S. Tobin
Date : 09-27-2004

Sample Number :	E2D58		VBLKPT		VBLKPZ		VHBLK01			
Sampling Location :	A7-GP-40A(R)									
Matrix :	Water		Water		Water		Water			
Units :	ug/L		ug/L		ug/L		ug/L			
Date Sampled :	8/31/2004									
Time Sampled :	14:13									
%Moisture :	N/A		N/A		N/A		N/A			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DIBROMOCHLOROMETHA	10	U	10	U	10	U	10	U		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CHLOROBENZENE	10	U	10	U	10	U	10	U		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
XYLENES (TOTAL)	7	J	10	U	10	U	10	U		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
BROMOFORM	10	U	10	U	10	U	10	U		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,1,2,2-TETRACHLOROET	10	U	10	U	10	U	10	U		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,4-DICHLOROBENZENE	10	U	10	U	10	U	10	U		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2-DIBROMO-3-CHLOROP	10	U	1	J	1	J	10	U		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND DIVISION

DATE:

SUBJECT: Review of Data
Received for Review on: May 12, 2005

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: CDM

We have reviewed the data for the following case:

SITE Name: Southeast Rockford Groundwater Contamination Site, IL

Case Number: 34140 SDG Number: E2D83

Number and Type of Samples: 5 Soils

Sample Numbers: E2D83 – E2D87

Laboratory: A4 Scientific Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Case Number: 34140
Site Name: Southeast Rockford GW Contam., IL

SDG Number: E2D83
Laboratory: A4 Scientific

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Five (5) soil samples labeled E2D83 through E2D87, were collected on April 26, 2005. The lab received the samples on April 27, 2005 in good condition. All samples were analyzed for only the volatile list of organic analytes. All samples were analyzed according to CLP SOW OLM04.3.

Reviewed by: Allison Harvey
Date: May 26, 2005

Case Number: 34140 SDG Number: E2D83
Site Name: Southeast Rockford GW Contam., IL Laboratory: A4 Scientific

1. HOLDING TIME

No defects found.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No defects found.

3. CALIBRATION

The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

1,2-Dibromo-3-chloropropane
VBLK93, VHBLK01

The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

Trichlorofluoromethane, Methylene Chloride
E2D83, E2D83DL, E2D83RE, E2D84, E2D84RE, E2D85, E2D86, E2D86MS, E2D86MSD, E2D87, E2D87DL, E2D87RE, VBLK90, VBLK91, VBLK93, VHBLK01

1,2,4-Trichlorobenzene
VBLK93, VHBLK01

The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Trichlorofluoromethane
E2D83, E2D84, E2D85, E2D86, VBLK90, VBLK93, VHBLK01

Methyl Acetate, 2-Butanone
E2D83DL, E2D83RE, E2D84RE, E2D86MS, E2D86MSD, E2D87, E2D87DL, E2D87RE, VBLK91, VBLK93, VHBLK01

Methylene Chloride
E2D83, E2D83DL, E2D83RE, E2D84, E2D84RE, E2D85, E2D86, E2D86MS, E2D86MSD, E2D87, E2D87DL, E2D87RE, VBLK90, VBLK91

Case Number: 34140 · SDG Number: E2D83
Site Name: Southeast Rockford GW Contam., IL Laboratory: A4 Scientific

The following volatile samples are associated with a continuing calibration relative response factor (RRF5) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

1,2-Dibromo-3-chloropropane
E2D83DL, E2D83RE, E2D84RE, E2D86MS, E2D86MSD, E2D87, E2D87DL, E2D87RE, VBLK91

The following volatile samples are associated with a continuing calibration in which a SMC/DMC exceeded percent difference (%D) criteria. Results are not qualified based on SMC/DMC %D or RRF data alone.

1,2-Dichloroethane-d4
E2D83DL, E2D83RE, E2D84RE, E2D86MS, E2D86MSD, E2D87, E2D87DL, E2D87RE, VBLK91

4. BLANKS

The following volatile samples have analyte concentrations reported above the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Hits are qualified "U" or "UJ" and non-detects are not flagged.

Methylene Chloride
E2D83, E2D83RE, E2D87, E2D87RE

The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" or "UJ" and non-detects are not flagged.

Acetone
E2D83RE, E2D86MS, E2D86MSD, E2D87, E2D87DL, E2D87RE

Methylene Chloride
E2D83DL, E2D84, E2D84RE, E2D85, E2D86, E2D86MS, E2D86MSD, E2D87DL, VHBLK01

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

The following volatile samples have system monitoring compound recoveries above the upper limit of the criteria window. Hits are qualified "J" and non-detects are not flagged.

E2D83, E2D83RE, E2D84, E2D84RE, E2D87, E2D87RE

Case Number: 34140 SDG Number: E2D83
Site Name: Southeast Rockford GW Contam., IL Laboratory: A4 Scientific

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No defects found.

7. FIELD BLANK AND FIELD DUPLICATE

No samples were identified as trip blanks or field blanks. Sample E2D85 is a field duplicate of sample E2D84. Results are summarized in the following table:

Analytes	E2D84	E2D84RE	E2D85
	µg/Kg	µg/Kg	µg/Kg
Bromomethane			810 J
Acetone	900 J		660 J
Cis-1,2-Dichloroethene	340 J		
1,1,1-Trichloroethane	2400	2200	700 J
Methylcyclohexane	390 J	340 J	250 J
Toluene	240 J	210 J	
Ethylbenzene	2000	1800	880 J
Xylenes (Total)	20000	18000	9700
Isopropylbenzene	3000	2800	1700
1,2-Dichlorobenzene	1400 J	1300 J	950 J

Results are not qualified based upon the results of the field blanks or field duplicates.

8. INTERNAL STANDARDS

No defects found.

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E2D83
Acetone

E2D83DL
cis-1,2-Dichloroethane, Methylcyclohexane, 1,2-Dichlorobenzene

E2D83RE
Methylcyclohexane

E2D84
Acetone, cis-1,2-Dichloroethane, Methylcyclohexane, Toluene, 1,2-Dichlorobenzene

E2D84RE
Methylcyclohexane, Toluene, 1,2-Dichlorobenzene

E2D85
Bromomethane, Acetone, 1,1,1-Trichloroethane, Methylcyclohexane, Ethylbenzene, 1,2-Dichlorobenzene

E2D86
Acetone, 1,1,1-Trichloroethane, Ethylbenzene, Isopropylbenzene

E2D86MS, E2D86MSD
1,1,1-Trichloroethane, Ethylbenzene, Isopropylbenzene

E2D87DL
cis-1,2-Dichloroethane, Methylcyclohexane, Toluene, Ethylbenzene, Isopropylbenzene, 1,2-Dichlorobenzene

VBLK90, VBLK93
Methylene Chloride

VBLK91
Bromomethane, Acetone, Methylene Chloride

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance.

12. ADDITIONAL INFORMATION

Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E2D83, E2D83DL, E2D83RE, E2D84, E2D84RE, E2D85, E2D86, E2D86MS, E2D86MSD, E2D87, E2D87DL, E2D87RE, VBLK90, VBLK91, VBLK93, VHBLK01

All samples were analyzed as medium level samples.

Reviewed by: Allison Harvey
Date: May 26, 2005

Case Number: 34140 SDG Number: E2D83
Site Name: Southeast Rockford GW Contam., IL Laboratory: A4 Scientific

The following samples had one or more analytes whose concentration exceeded the instrument's calibration range. The results from the diluted analyses should be considered the analyte's final concentration.

E2D83
1,1,1-Trichloroethane, Xylene (total)

E2D83RE, E2D87, E2D87RE
1,1,1-Trichloroethane

Reviewed by: Allison Harvey
Date: May 26, 2005

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present.)

TICs

Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D83

Sample Type: Routine Sample
Lab ID: A4
Case No.: 34140
SDG No.: E2D83

Location: A7-GP102-1213
Matrix/Level: Soil/Med
File Name: E2D83

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	10.11	1700	J
	UNKNOWN	11.49	2500	J
	UNKNOWN	11.87	3600	J
	UNKNOWN	12.39	1400	J
	UNKNOWN	12.89	2400	J
000620144	BENZENE, 1-ETHYL-3-METHYL-	13.51	20000	JN
000526738	BENZENE, 1,2,3-TRIMETHYL-	13.70	9400	JN
000611143	BENZENE, 1-ETHYL-2-METHYL-	14.07	7900	JN
000526738	BENZENE, 1,2,3-TRIMETHYL-	14.42	29000	JN
	UNKNOWN	14.60	2000	J
000527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	14.82	1900	JN
000526738	BENZENE, 1,2,3-TRIMETHYL-	15.22	11000	JN
	UNKNOWN	15.46	3700	J
001074175	BENZENE, 1-METHYL-2-PROPYL-	15.53	1800	JN
000488233	BENZENE, 1,2,3,4-TETRAMETHYL-	15.64	6100	JN
001074175	BENZENE, 1-METHYL-2-PROPYL-	16.05	2000	JN
000874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	16.23	5000	JN
000874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	16.37	4100	JN
	UNKNOWN	16.58	2400	J
002870044	BENZENE, 2-ETHYL-1,3-DIMETHYL-	16.99	1300	JN
000527537	BENZENE, 1,2,3,5-TETRAMETHYL-	17.17	1900	JN
000527537	BENZENE, 1,2,3,5-TETRAMETHYL-	17.27	3900	JN
003333139	BENZENE, 1-METHYL-4-(2-PROPENYL)-	17.68	1700	JN
000824908	1-PHENYL-1-BUTENE	18.04	1300	JN
000527537	BENZENE, 1,2,3,5-TETRAMETHYL-	18.10	1600	JN
	UNKNOWN	18.79	1200	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D83DL

Sample Type: Routine Sample
Lab ID: A4
Case No.: 34140
SDG No.: E2D83

Location: A7-GP102-1213
Matrix/Level: Soil/Med
File Name: E2D83

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
000611143	BENZENE, 1-ETHYL-2-METHYL-	13.50	50000	JND
000108678	BENZENE, 1,3,5-TRIMETHYL-	13.68	23000	JND
000611143	BENZENE, 1-ETHYL-2-METHYL-	14.06	19000	JND
000108678	BENZENE, 1,3,5-TRIMETHYL-	14.39	78000	JND
	UNKNOWN	14.58	5100	JD
000535773	BENZENE, 1-METHYL-3-(1-METHYLETHYL)-	14.81	4300	JND
000095636	BENZENE, 1,2,4-TRIMETHYL-	15.20	24000	JND
	UNKNOWN	15.45	8400	JD
001074437	BENZENE, 1-METHYL-3-PROPYL-	15.52	5000	JND
001074437	BENZENE, 1-METHYL-3-PROPYL-	16.03	4700	JND
000874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	16.22	11000	JND
002870044	BENZENE, 2-ETHYL-1,3-DIMETHYL-	16.36	9100	JND
	UNKNOWN	16.56	6000	JD
	UNKNOWN	16.67	4300	JD
000527537	BENZENE, 1,2,3,5-TETRAMETHYL-	17.15	3400	JND
000527537	BENZENE, 1,2,3,5-TETRAMETHYL-	17.26	7100	JND
	UNKNOWN	17.67	3700	JD

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D83RE

Sample Type: Routine Sample
Lab ID: A4
Case No.: 34140
SDG No.: E2D83

Location: A7-GP102-1213
Matrix/Level: Soil/Med
File Name: E2D83

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
004551513	1H-INDENE, OCTAHYDRO-, CIS-	11.86	3600	JN
	UNKNOWN	13.34	11000	J
000620144	BENZENE, 1-ETHYL-3-METHYL-	13.52	22000	JN
000526738	BENZENE, 1,2,3-TRIMETHYL-	13.69	10000	JN
000611143	BENZENE, 1-ETHYL-2-METHYL-	14.07	8500	JN
000526738	BENZENE, 1,2,3-TRIMETHYL-	14.41	32000	JN
	UNKNOWN	14.60	2200	J
000527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	14.82	2000	JN
000095636	BENZENE, 1,2,4-TRIMETHYL-	15.22	12000	JN
000611154	BENZENE, 1-ETHENYL-2-METHYL-	15.46	3800	JN
001074551	BENZENE, 1-METHYL-4-PROPYL-	15.53	3700	JN
000488233	BENZENE, 1,2,3,4-TETRAMETHYL-	15.64	7000	JN
001074551	BENZENE, 1-METHYL-4-PROPYL-	16.04	2100	JN
001758889	BENZENE, 2-ETHYL-1,4-DIMETHYL-	16.20	2500	JN
000874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	16.36	4400	JN
	UNKNOWN	16.58	2500	J
001758889	BENZENE, 2-ETHYL-1,4-DIMETHYL-	16.99	1400	JN
000527537	BENZENE, 1,2,3,5-TETRAMETHYL-	17.16	2000	JN
000095932	BENZENE, 1,2,4,5-TETRAMETHYL-	17.27	4100	JN
003333139	BENZENE, 1-METHYL-4-(2-PROPENYL)-	17.68	1800	JN
	UNKNOWN	18.04	1400	J
	UNKNOWN	18.09	1500	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D84

Sample Type: Routine Sample
Lab ID: A4
Case No.: 34140
SDG No.: E2D83

Location: A7-GP104-0506
Matrix/Level: Soil/Med
File Name: E2D83

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
000124389	CARBON DIOXIDE	1.55	16000	JN
000611143	BENZENE, 1-ETHYL-2-METHYL-	13.51	22000	JN
000526738	BENZENE, 1,2,3-TRIMETHYL-	13.69	12000	JN
000611143	BENZENE, 1-ETHYL-2-METHYL-	14.07	9200	JN
000526738	BENZENE, 1,2,3-TRIMETHYL-	14.41	34000	JN
	UNKNOWN	14.59	3500	J
000099876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	14.82	3300	JN
000108678	BENZENE, 1,3,5-TRIMETHYL-	15.22	13000	JN
	UNKNOWN	15.45	4900	J
001074437	BENZENE, 1-METHYL-3-PROPYL-	15.53	10000	JN
000535773	BENZENE, 1-METHYL-3-(1-METHYLETHYL)-	15.64	15000	JN
000141935	BENZENE, 1,3-DIETHYL-	15.88	1100	JN
001074551	BENZENE, 1-METHYL-4-PROPYL-	16.03	3700	JN
000874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	16.23	9400	JN
002870044	BENZENE, 2-ETHYL-1,3-DIMETHYL-	16.37	7800	JN
	UNKNOWN	16.58	4100	J
001758889	BENZENE, 2-ETHYL-1,4-DIMETHYL-	16.99	1800	JN
000527537	BENZENE, 1,2,3,5-TETRAMETHYL-	17.17	3600	JN
000488233	BENZENE, 1,2,3,4-TETRAMETHYL-	17.27	7000	JN
	UNKNOWN	17.68	3200	J
	UNKNOWN	17.93	1400	J
000824908	1-PHENYL-1-BUTENE	18.04	2900	JN
	UNKNOWN	18.19	1600	J
	UNKNOWN	18.96	1200	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D84RE

Sample Type: Routine Sample
Lab ID: A4
Case No.: 34140
SDG No.: E2D83

Location: A7-GP104-0506
Matrix/Level: Soil/Med
File Name: E2D83

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	10.11	1400	J
	UNKNOWN	11.48	2500	J
	UNKNOWN	11.86	3700	J
000620144	BENZENE, 1-ETHYL-3-METHYL-	13.51	18000	JN
000526738	BENZENE, 1,2,3-TRIMETHYL-	13.69	10000	JN
000611143	BENZENE, 1-ETHYL-2-METHYL-	14.06	7900	JN
000526738	BENZENE, 1,2,3-TRIMETHYL-	14.41	29000	JN
	UNKNOWN	14.60	3000	J
000527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	14.81	2800	JN
000095636	BENZENE, 1,2,4-TRIMETHYL-	15.22	12000	JN
	UNKNOWN	15.45	4400	J
001074437	BENZENE, 1-METHYL-3-PROPYL-	15.52	7800	JN
001758889	BENZENE, 2-ETHYL-1,4-DIMETHYL-	15.63	9900	JN
001074175	BENZENE, 1-METHYL-2-PROPYL-	16.04	3000	JN
000874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	16.22	7700	JN
002870044	BENZENE, 2-ETHYL-1,3-DIMETHYL-	16.36	6400	JN
	UNKNOWN	16.58	3500	J
001758889	BENZENE, 2-ETHYL-1,4-DIMETHYL-	16.98	1500	JN
000527537	BENZENE, 1,2,3,5-TETRAMETHYL-	17.17	2900	JN
000527537	BENZENE, 1,2,3,5-TETRAMETHYL-	17.27	4700	JN
	UNKNOWN	17.68	2600	J
	UNKNOWN	17.93	1200	J
	UNKNOWN	18.04	2300	J
000527537	BENZENE, 1,2,3,5-TETRAMETHYL-	18.09	2100	JN
	UNKNOWN	18.19	1400	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D85

Sample Type: Routine Sample
Lab ID: A4
Case No.: 34140
SDG No.: E2D83

Location: A7-GP104D-0506
Matrix/Level: Soil/Med
File Name: E2D83

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
000124389	CARBON DIOXIDE	1.55	16000	JN
000611143	BENZENE, 1-ETHYL-2-METHYL-	13.51	18000	JN
000108678	BENZENE, 1,3,5-TRIMETHYL-	13.69	10000	JN
000611143	BENZENE, 1-ETHYL-2-METHYL-	14.06	7700	JN
000108678	BENZENE, 1,3,5-TRIMETHYL-	14.41	31000	JN
	UNKNOWN	14.60	3200	J
000527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	14.82	3000	JN
000108678	BENZENE, 1,3,5-TRIMETHYL-	15.22	12000	JN
	UNKNOWN	15.45	4400	J
001074437	BENZENE, 1-METHYL-3-PROPYL-	15.52	4700	JN
000934747	BENZENE, 1-ETHYL-3,5-DIMETHYL-	15.64	10000	JN
000135013	BENZENE, 1,2-DIETHYL-	15.88	1100	JN
001074175	BENZENE, 1-METHYL-2-PROPYL-	16.03	3500	JN
000874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	16.36	7500	JN
	UNKNOWN	16.58	4000	J
001758889	BENZENE, 2-ETHYL-1,4-DIMETHYL-	16.99	1600	JN
000488233	BENZENE, 1,2,3,4-TETRAMETHYL-	17.17	4000	JN
000527537	BENZENE, 1,2,3,5-TETRAMETHYL-	17.27	7600	JN
000824908	1-PHENYL-1-BUTENE	17.68	3200	JN
001595160	BENZENE, 1-METHYL-4-(1-METHYLPROPYL)-	17.93	1400	JN
000824908	1-PHENYL-1-BUTENE	18.04	3200	JN
	UNKNOWN	18.09	2800	J
	UNKNOWN	18.19	1700	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D86

Sample Type: Spike Original
Lab ID: A4
Case No.: 34140
SDG No.: E2D83

Location: A7-GP107-1214
Matrix/Level: Soil/Med
File Name: E2D83

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
000620144	BENZENE, 1-ETHYL-3-METHYL-	13.50	31000	JN
000108678	BENZENE, 1,3,5-TRIMETHYL-	13.69	19000	JN
000611143	BENZENE, 1-ETHYL-2-METHYL-	14.06	17000	JN
000526738	BENZENE, 1,2,3-TRIMETHYL-	14.40	78000	JN
	UNKNOWN	14.59	4200	J
	UNKNOWN	14.82	9600	J
000108678	BENZENE, 1,3,5-TRIMETHYL-	15.22	33000	JN
000637503	BENZENE, 1-PROPENYL-	15.45	9700	JN
001074437	BENZENE, 1-METHYL-3-PROPYL-	15.52	5000	JN
000135013	BENZENE, 1,2-DIETHYL-	15.88	3800	JN
001074175	BENZENE, 1-METHYL-2-PROPYL-	16.03	6700	JN
000874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	16.23	18000	JN
000874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	16.36	15000	JN
	UNKNOWN	16.58	13000	J
	UNKNOWN	16.69	8400	J
002958761	NAPHTHALENE, DECAHYDRO-2-METHYL-	16.91	3300	JN
000527537	BENZENE, 1,2,3,5-TETRAMETHYL-	17.17	7400	JN
000095932	BENZENE, 1,2,4,5-TETRAMETHYL-	17.27	14000	JN
	UNKNOWN	17.68	10000	J
	UNKNOWN	17.93	4100	J
	UNKNOWN	18.04	7300	J
	UNKNOWN	18.19	5000	J
000119642	NAPHTHALENE, 1,2,3,4-TETRAHYDRO-	18.32	3200	JN
	UNKNOWN	18.80	7600	J
	UNKNOWN	18.96	3600	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D87

Sample Type: Routine Sample
Lab ID: A4
Case No.: 34140
SDG No.: E2D83

Location: A7-GP109-2324
Matrix/Level: Soil/Med
File Name: E2D83

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	11.50	3000	J
	UNKNOWN	11.86	4700	J
	UNKNOWN	12.90	3200	J
000620144	BENZENE, 1-ETHYL-3-METHYL-	13.52	14000	JN
000108678	BENZENE, 1,3,5-TRIMETHYL-	13.70	8500	JN
000611143	BENZENE, 1-ETHYL-2-METHYL-	14.08	6700	JN
000526738	BENZENE, 1,2,3-TRIMETHYL-	14.42	25000	JN
	UNKNOWN	14.60	2300	J
000535773	BENZENE, 1-METHYL-3-(1-METHYLETHYL)-	14.83	2300	JN
000099876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	14.89	1400	JN
000526738	BENZENE, 1,2,3-TRIMETHYL-	15.23	11000	JN
000611154	BENZENE, 1-ETHENYL-2-METHYL-	15.47	2500	JN
001074175	BENZENE, 1-METHYL-2-PROPYL-	15.54	5100	JN
000527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	15.65	5500	JN
001074175	BENZENE, 1-METHYL-2-PROPYL-	16.04	2000	JN
000874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	16.24	4400	JN
000874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	16.38	2900	JN
	UNKNOWN	16.58	2700	J
000527537	BENZENE, 1,2,3,5-TETRAMETHYL-	17.17	1100	JN

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D87DL

Sample Type: Routine Sample
Lab ID: A4
Case No.: 34140
SDG No.: E2D83

Location: A7-GP109-2324
Matrix/Level: Soil/Med
File Name: E2D83

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	11.49	8300	JD
	UNKNOWN	11.86	12000	JD
	UNKNOWN	12.89	9300	JD
000611143	BENZENE, 1-ETHYL-2-METHYL-	13.51	29000	JND
000526738	BENZENE, 1,2,3-TRIMETHYL-	13.68	18000	JND
000611143	BENZENE, 1-ETHYL-2-METHYL-	14.07	15000	JND
000526738	BENZENE, 1,2,3-TRIMETHYL-	14.40	55000	JND
	UNKNOWN	14.59	4900	JD
000535773	BENZENE, 1-METHYL-3-(1-METHYLETHYL)-	14.82	4600	JND
000108678	BENZENE, 1,3,5-TRIMETHYL-	15.21	24000	JND
	UNKNOWN	15.46	4700	JD
001074437	BENZENE, 1-METHYL-3-PROPYL-	15.53	4500	JND
001074175	BENZENE, 1-METHYL-2-PROPYL-	16.04	3900	JND
000874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	16.23	8100	JND
000874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	16.37	5800	JND
	UNKNOWN	16.58	5800	JD
000488233	BENZENE, 1,2,3,4-TETRAMETHYL-	17.26	4200	JND
	UNKNOWN	17.68	3100	JD
000527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	18.09	5300	JND

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D87RE

Sample Type: Routine Sample
Lab ID: A4
Case No.: 34140
SDG No.: E2D83

Location: A7-GP109-2324
Matrix/Level: Soil/Med
File Name: E2D83

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	11.50	3000	J
	UNKNOWN	11.86	4800	J
	UNKNOWN	12.38	1300	J
	UNKNOWN	12.90	620000000	J
000620144	BENZENE, 1-ETHYL-3-METHYL-	13.52	16000	JN
000108678	BENZENE, 1,3,5-TRIMETHYL-	13.70	9100	JN
000611143	BENZENE, 1-ETHYL-2-METHYL-	14.08	7000	JN
000095636	BENZENE, 1,2,4-TRIMETHYL-	14.42	27000	JN
	UNKNOWN	14.60	2400	J
000099876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	14.83	2600	JN
000535773	BENZENE, 1-METHYL-3-(1-METHYLETHYL)-	14.89	1500	JN
000526738	BENZENE, 1,2,3-TRIMETHYL-	15.23	12000	JN
	UNKNOWN	15.46	2800	J
001074175	BENZENE, 1-METHYL-2-PROPYL-	15.54	5600	JN
000488233	BENZENE, 1,2,3,4-TETRAMETHYL-	15.65	5800	JN
001074551	BENZENE, 1-METHYL-4-PROPYL-	16.05	2200	JN
000874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	16.24	4700	JN
000874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	16.38	3100	JN
	UNKNOWN	16.58	2900	J
000527537	BENZENE, 1,2,3,5-TETRAMETHYL-	17.17	1200	JN
000488233	BENZENE, 1,2,3,4-TETRAMETHYL-	17.27	2500	JN
	UNKNOWN	17.69	1700	J
	UNKNOWN	18.05	1200	J
000934747	BENZENE, 1-ETHYL-3,5-DIMETHYL-	18.10	2100	JN
056253646	BENZENE, (2-METHYL-1-BUTENYL)-	18.79	1200	JN

*Q: Laboratory Qualifier

Analytical Results (Qualified Data)

Case #: 34140 SDG : E2D83
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Number of Soil Samples : 5
Number of Water Samples : 0

Sample Number :	E2D83		E2D83DL		E2D83RE		E2D84		E2D84RE	
Sampling Location :	A7-GP102-1213		A7-GP102-1213		A7-GP102-1213		A7-GP104-0506		A7-GP104-0506	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	4/26/2005		4/26/2005		4/26/2005		4/26/2005		4/26/2005	
Time Sampled :	09:30		09:30		09:30		10:30		10:30	
%Moisture :	15		15		15		13		13	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	1500	U	6100	U	1500	U	1500	U	1500	U
CHLOROMETHANE	1500	U	6100	U	1500	U	1500	U	1500	U
VINYL CHLORIDE	1500	U	6100	U	1500	U	1500	U	1500	U
BROMOMETHANE	1500	U	6100	U	1500	U	1500	U	1500	U
CHLOROETHANE	1500	U	6100	U	1500	U	1500	U	1500	U
TRICHLOROFLUOROMETHANE	1500	UJ	6100	UJ	1500	UJ	1500	UJ	1500	UJ
1,1-DICHLOROETHENE	1500	U	6100	U	1500	U	1500	U	1500	U
1,1,2-TRICHLORO-1,2,2-TRIFLU	1500	U	6100	U	1500	U	1500	U	1500	U
ACETONE	1500	U	6100	U	1500	U	1500	U	1500	U
CARBON DISULFIDE	1500	U	6100	U	1500	U	1500	U	1500	U
METHYL ACETATE	1500	U	6100	U	1500	U	1500	U	1500	U
METHYLENE CHLORIDE	1900	UJ	6100	UJ	2700	UJ	1500	UJ	1500	UJ
TRANS-1,2-DICHLOROETHENE	1500	U	6100	U	1500	U	1500	U	1500	U
METHYL TERT-BUTYL ETHER	1500	U	6100	U	1500	U	1500	U	1500	U
1,1-DICHLOROETHANE	1500	U	6100	U	1500	U	1500	U	1500	U
CIS-1,2-DICHLOROETHENE	5600	J	4300	J	3800	J	340	J	1500	U
2-BUTANONE	1500	U	6100	U	1500	U	1500	U	1500	U
CHLOROFORM	1500	U	6100	U	1500	U	1500	U	1500	U
1,1,1-TRICHLOROETHANE	51000	J	52000	J	47000	J	2400	J	2200	J
CYCLOHEXANE	1500	U	6100	U	1500	U	1500	U	1500	U
CARBON TETRACHLORIDE	1500	U	6100	U	1500	U	1500	U	1500	U
BENZENE	1500	U	6100	U	1500	U	1500	U	1500	U
1,2-DICHLOROETHANE	1500	U	6100	U	1500	U	1500	U	1500	U
TRICHLOROETHENE	12000	J	9800		9000	J	1500	U	1500	U
METHYLCYCLOHEXANE	1600	J	1600	J	1200	J	890	J	340	J
1,2-DICHLOROPROPANE	1500	U	6100	U	1500	U	1500	U	1500	U
BROMODICHLOROMETHANE	1500	U	6100	U	1500	U	1500	U	1500	U
CIS-1,3-DICHLOROPROPENE	1500	U	6100	U	1500	U	1500	U	1500	U
4-METHYL-2-PENTANONE	1500	U	6100	U	1500	U	1500	U	1500	U
TOLUENE	7100	J	6600		5600	J	240	J	210	J
TRANS-1,3-DICHLOROPROPEN	1500	U	6100	U	1500	U	1500	U	1500	U
1,1,2-TRICHLOROETHANE	1500	U	6100	U	1500	U	1500	U	1500	U
TETRACHLOROETHENE	11000	J	10000		9100	J	1500	U	1500	U

Analytical Results (Qualified Data)

Case #: 34140 SDG : E2D83
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Sample Number :	E2D83		E2D83DL		E2D83RE		E2D84		E2D84RE	
Sampling Location :	A7-GP102-1213		A7-GP102-1213		A7-GP102-1213		A7-GP104-0506		A7-GP104-0506	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	4/26/2005		4/26/2005		4/26/2005		4/26/2005		4/26/2005	
Time Sampled :	09:30		09.30		09:30		10:30		10:30	
%Moisture :	15		15		15		13		13	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	1500	U	6100	U	1500	U	1500	U	1500	U
DIBROMOCHLOROMETHANE	1500	U	6100	U	1500	U	1500	U	1500	U
1,2-DIBROMOETHANE	1500	U	6100	U	1500	U	1500	U	1500	U
CHLOROBENZENE	1500	U	6100	U	1500	U	1500	U	1500	U
ETHYLBENZENE	16000	J	15000		14000	J	2000	J	1800	J
XYLENES (TOTAL)	90000	J	90000		79000	J	20000	J	18000	J
STYRENE	1500	U	6100	U	1500	U	1500	U	1500	U
BROMOFORM	1500	U	6100	U	1500	U	1500	U	1500	U
ISOPROPYLBENZENE	37000	J	39000		36000	J	3900	J	2800	J
1,1,2,2-TETRACHLOROETHANE	1500	U	6100	U	1500	U	1500	U	1500	U
1,3-DICHLOROBENZENE	1500	U	6100	U	1500	U	1500	U	1500	U
1,4-DICHLOROBENZENE	1500	U	6100	U	1500	U	1500	U	1500	U
1,2-DICHLOROBENZENE	3600	J	6100	U	9200	J	1100	J	1500	U
1,2-DIBROMO-3-CHLOROPROP	1500	U	6100	R	1500	R	1500	U	1500	R
1,2,4-TRICHLOROBENZENE	1500	U	6100	U	1500	U	1500	U	1500	U

Analytical Results (Qualified Data)

Case #: 34140 SDG : E2D83
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Sample Number :	E2D85		E2D86		E2D86MS		E2D86MSD		E2D87	
Sampling Location :	A7-GP104D-0506		A7-GP107-1214		A7-GP107-1214		A7-GP107-1214		A7-GP109-2324	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	4/26/2005		4/26/2005		4/26/2005		4/26/2005		4/26/2005	
Time Sampled :	10:30		14:05		14:05		14:05		16:10	
%Moisture :	12		9		9		9		10	
pH :										
Dilution Factor .	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	1500	U	1400	U	1400	U	1400	U	1400	U
CHLOROMETHANE	1500	U	1400	U	1400	U	1400	U	1400	U
VINYL CHLORIDE	1500	U	1400	U	1400	U	1400	U	1400	U
BROMOMETHANE	810	J	1400	U	1400	U	1400	U	1400	U
CHLOROETHANE	1500	U	1400	U	1400	U	1400	U	1400	U
TRICHLOROFLUOROMETHANE	1500	UJ	1400	UJ	1400	UJ	1400	UJ	1400	UJ
1,1-DICHLOROETHENE	1500	U	1400	U	1400	U	1400	U	1400	U
1,1,2-TRICHLORO-1,2,2-TRIFLU	1500	U	1400	U	1400	U	1400	U	1400	U
ACETONE	3660	J	910	J	1400	U	1400	U	1400	U
CARBON DISULFIDE	1500	U	1400	U	1400	U	1400	U	1400	U
METHYL ACETATE	1500	U	1400	U	1400	U	1400	U	1400	U
METHYLENE CHLORIDE	1500	UJ	1400	UJ	1400	UJ	1400	UJ	1500	UJ
TRANS-1,2-DICHLOROETHENE	1500	U	1400	U	1400	U	1400	U	1400	U
METHYL TERT-BUTYL ETHER	1500	U	1400	U	1400	U	1400	U	1400	U
1,1-DICHLOROETHANE	1500	U	1400	U	1400	U	1400	U	1400	U
CIS-1,2-DICHLOROETHENE	1500	U	1400	U	1400	U	1400	U	3600	J
2-BUTANONE	1500	U	1400	U	1400	U	1400	U	1400	U
CHLOROFORM	1500	U	1400	U	1400	U	1400	U	1400	U
1,1,1-TRICHLOROETHANE	700	J	940	J	1400	U	1400	U	6800	J
CYCLOHEXANE	1500	U	1400	U	1400	U	1400	U	1400	U
CARBON TETRACHLORIDE	1500	U	1400	U	1400	U	1400	U	1400	U
BENZENE	1500	U	1400	U	8000		7600		1400	U
1,2-DICHLOROETHANE	1500	U	1400	U	1400	U	1400	U	1400	U
TRICHLOROETHENE	1500	U	1400	U	7900		7200		1400	U
METHYLCYCLOHEXANE	250	J	1400	U	1400	U	1400	U	3200	J
1,2-DICHLOROPROPANE	1500	U	1400	U	1400	U	1400	U	1400	U
BROMODICHLOROMETHANE	1500	U	1400	U	1400	U	1400	U	1400	U
CIS-1,3-DICHLOROPROPENE	1500	U	1400	U	1400	U	1400	U	1400	U
4-METHYL-2-PENTANONE	1500	U	1400	U	1400	U	1400	U	1400	U
TOLUENE	1500	U	1400	U	8400		7900		1800	J
TRANS-1,3-DICHLOROPROPEN	1500	U	1400	U	1400	U	1400	U	1400	U
1,1,2-TRICHLOROETHANE	1500	U	1400	U	1400	U	1400	U	1400	U
TETRACHLOROETHENE	1500	U	1400	U	1400	U	1400	U	1400	U

Analytical Results (Qualified Data)

Case #: 34140 SDG : E2D83
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Sample Number :	E2D85		E2D86		E2D86MS		E2D86MSD		E2D87	
Sampling Location :	A7-GP104D-0506		A7-GP107-1214		A7-GP107-1214		A7-GP107-1214		A7-GP109-2324	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	4/26/2005		4/26/2005		4/26/2005		4/26/2005		4/26/2005	
Time Sampled :	10:30		14:05		14:05		14:05		16:10	
%Moisture ·	12		9		9		9		10	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DIBROMOCHLOROMETHANE	1500	U	1400	U	1400	U	1400	U	1400	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CHLOROBENZENE	1500	U	1400	U	8000		7800		1400	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
XYLENES (TOTAL)	9700		3700		3900		3900		35000	J
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
BROMOFORM	1500	U	1400	U	1400	U	1400	U	1400	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,1,2,2-TETRACHLOROETHANE	1500	U	1400	U	1400	U	1400	U	1400	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,4-DICHLOROBENZENE	1500	U	1400	U	1400	U	1400	U	1400	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2-DIBROMO-3-CHLOROPROP	1500	U	1400	U	1400	R	1400	R	1400	R
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Analytical Results (Qualified Data)

Case #: 34140 SDG : E2D83
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Sample Number :	E2D87DL		E2D87RE		VBLK90		VBLK91		VBLK93	
Sampling Location :	A7-GP109-2324		A7-GP109-2324							
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	4/26/2005		4/26/2005							
Time Sampled :	16:10		16:10							
%Moisture :	10		10		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	5800	U	1400	U	1300	U	1300	U	10	U
CHLOROMETHANE	5800	U	1400	U	1300	U	1300	U	10	U
VINYL CHLORIDE	5800	U	1400	U	1300	U	1300	U	10	U
BROMOMETHANE	5800	U	1400	U	1300	U	540	J	10	U
CHLOROETHANE	5800	U	1400	U	1300	U	1300	U	10	U
TRICHLOROFLUOROMETHANE	5800	UJ	1400	UJ	1300	UJ	1300	UJ	10	UJ
1,1-DICHLOROETHENE	5800	U	1400	U	1300	U	1300	U	10	U
1,1,2-TRICHLORO-1,2,2-TRIFLU	5800	U	1400	U	1300	U	1300	U	10	U
ACETONE	5800	U	1400	U	1300	U	1300	U	10	U
CARBON DISULFIDE	5800	U	1400	U	1300	U	1300	U	10	U
METHYL ACETATE	5800	U	1400	U	1300	U	1300	U	10	U
METHYLENE CHLORIDE	5800	UJ	1400	UJ	490	J	610	J	6	J
TRANS-1,2-DICHLOROETHENE	5800	U	1400	U	1300	U	1300	U	10	U
METHYL TERT-BUTYL ETHER	5800	U	1400	U	1300	U	1300	U	10	U
1,1-DICHLOROETHANE	5800	U	1400	U	1300	U	1300	U	10	U
CIS-1,2-DICHLOROETHENE	4300	J	3700	J	1300	U	1300	U	10	U
2-BUTANONE	5800	UJ	1400	UJ	1300	U	1300	U	10	U
CHLOROFORM	5800	U	1400	U	1300	U	1300	U	10	U
1,1,1-TRICHLOROETHANE	5800	U	1400	U	1300	U	1300	U	10	U
CYCLOHEXANE	5800	U	1400	U	1300	U	1300	U	10	U
CARBON TETRACHLORIDE	5800	U	1400	U	1300	U	1300	U	10	U
BENZENE	5800	U	1400	U	1300	U	1300	U	10	U
1,2-DICHLOROETHANE	5800	U	1400	U	1300	U	1300	U	10	U
TRICHLOROETHENE	5800	U	1400	U	1300	U	1300	U	10	U
METHYLCYCLOHEXANE	5800	U	1400	U	1300	U	1300	U	10	U
1,2-DICHLOROPROPANE	5800	U	1400	U	1300	U	1300	U	10	U
BROMODICHLOROMETHANE	5800	U	1400	U	1300	U	1300	U	10	U
CIS-1,3-DICHLOROPROPENE	5800	U	1400	U	1300	U	1300	U	10	U
4-METHYL-2-PENTANONE	5800	U	1400	U	1300	U	1300	U	10	U
TOLUENE	2000	J	1800	J	1300	U	1300	U	10	U
TRANS-1,3-DICHLOROPROPEN	5800	U	1400	U	1300	U	1300	U	10	U
1,1,2-TRICHLOROETHANE	5800	U	1400	U	1300	U	1300	U	10	U
TETRACHLOROETHENE	5800	U	1400	U	1300	U	1300	U	10	U

Analytical Results (Qualified Data)

Case #: 34140 SDG : E2D83
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Sample Number :	E2D87DL		E2D87RE		VBLK90		VBLK91		VBLK93	
Sampling Location :	A7-GP109-2324		A7-GP109-2324							
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	4/26/2005		4/26/2005							
Time Sampled :	16:10		16:10							
%Moisture :	10		10		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DIBROMOCHLOROMETHANE	5800	U	1400	U	1300	U	1300	U	10	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CHLOROBENZENE	5800	U	1400	U	1300	U	1300	U	10	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
XYLENES (TOTAL)	37000		35000	J	1300	U	1300	U	10	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
BROMOFORM	5800	U	1400	U	1300	U	1300	U	10	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,1,2,2-TETRACHLOROETHANE	5800	U	1400	U	1300	U	1300	U	10	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,4-DICHLOROBENZENE	5800	U	1400	U	1300	U	1300	U	10	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2-DIBROMO-3-CHLOROPROP/	5800	R	1400	R	1300	U	1300	R	10	R
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Analytical Results (Qualified Data)

Case #: 34140 SDG : E2D83
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Sample Number :	VHBLK01									
Sampling Location :										
Matrix :	Water									
Units :	ug/L									
Date Sampled :										
Time Sampled :										
%Moisture :	N/A									
pH :										
Dilution Factor :	1.0									
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	U								
CHLOROMETHANE	10	U								
VINYL CHLORIDE	10	U								
BROMOMETHANE	10	U								
CHLOROETHANE	10	U								
TRICHLOROFLUOROMETHANE	10	UJ								
1,1-DICHLOROETHENE	10	U								
1,1,2-TRICHLORO-1,2,2-TRIFLU	10	U								
ACETONE	10	U								
CARBON DISULFIDE	10	U								
METHYL ACETATE	10	U								
METHYLENE CHLORIDE	10	U								
TRANS-1,2-DICHLOROETHENE	10	U								
METHYL TERT-BUTYL ETHER	10	U								
1,1-DICHLOROETHANE	10	U								
CIS-1,2-DICHLOROETHENE	10	U								
2-BUTANONE	10	U								
CHLOROFORM	10	U								
1,1,1-TRICHLOROETHANE	10	U								
CYCLOHEXANE	10	U								
CARBON TETRACHLORIDE	10	U								
BENZENE	10	U								
1,2-DICHLOROETHANE	10	U								
TRICHLOROETHENE	10	U								
METHYLCYCLOHEXANE	10	U								
1,2-DICHLOROPROPANE	10	U								
BROMODICHLOROMETHANE	10	U								
CIS-1,3-DICHLOROPROPENE	10	U								
4-METHYL-2-PENTANONE	10	U								
TOLUENE	10	U								
TRANS-1,3-DICHLOROPROPEN	10	U								
1,1,2-TRICHLOROETHANE	10	U								
TETRACHLOROETHENE	10	U								

Analytical Results (Qualified Data)

Case #: 34140 SDG : E2D83
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Sample Number :	VHBLK01									
Sampling Location :										
Matrix :	Water									
Units :	ug/L									
Date Sampled :										
Time Sampled :										
%Moisture :	N/A									
pH :										
Dilution Factor :	1.0									
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U								
DIBROMOCHLOROMETHANE	10	U								
1,2-DIBROMOETHANE	10	U								
CHLOROBENZENE	10	U								
ETHYLBENZENE	10	U								
XYLENES (TOTAL)	10	U								
STYRENE	10	U								
BROMOFORM	10	U								
ISOPROPYLBENZENE	10	U								
1,1,2,2-TETRACHLOROETHANE	10	U								
1,3-DICHLOROBENZENE	10	U								
1,4-DICHLOROBENZENE	10	U								
1,2-DICHLOROBENZENE	10	U								
1,2-DIBROMO-3-CHLOROPROP	10	R								
1,2,4-TRICHLOROBENZENE	10	U								

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND DIVISION

DATE:

SUBJECT: Review of Data
Received for Review on: May 11, 2005

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: CDM

We have reviewed the data for the following case:

SITE Name: Southeast Rockford Groundwater Contamination Site, IL

Case Number: 34140 SDG Number: E2D88

Number and Type of Samples: 2 Waters

Sample Numbers: E2D88, E2D89

Laboratory: A4 Scientific Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Case Number: 34140
Site Name: Southeast Rockford GW Contamination

SDG Number: E2D88
Laboratory: A4 Scientific

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Two (2) groundwater samples, labeled E2D88 and E2D89, were collected on April 26, 2005. The lab received the samples on April 27, 2005 in good condition. All samples were analyzed for only the volatile list of organic analytes. All samples were analyzed according to CLP SOW OLM04.3.

Reviewed by: Allison Harvey
Date: May 24, 2005

Case Number: 34140 SDG Number: E2D88
Site Name: Southeast Rockford GW Contamination Laboratory: A4 Scientific

1. HOLDING TIME

No defects found.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No defects found.

3. CALIBRATION

The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

1,2-Dibromo-3-chloropropane
E2D88, E2D89, VBLK83, VHBLK01

The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

Trichlorofluoromethane, Acetone
E2D88, E2D89, VBLK83, VHBLK01

The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Trichlorofluoromethane, Acetone
E2D88, E2D89, VBLK83, VHBLK01

4. BLANKS

The following volatile samples have analyte concentrations reported above the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Hits are qualified "U" or "UJ" and non-detects are not flagged.

Acetone
E2D88

The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" or "UJ" and non-detects are not flagged.

Acetone
E2D89

The following volatile samples are associated with a contaminated storage blank. Hits are qualified "J" and non-detects are not flagged.

Methylene Chloride
E2D89

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

No defects found.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No volatile matrix spike data was reported for this SDG.

E2D88, E2D89

7. FIELD BLANK AND FIELD DUPLICATE

Sample E2D89 is a trip blank. Sample E2D89 contains Methylene Chloride at 13 µg/L. Results are not qualified based upon the results of the trip blank, field blanks or field duplicates.

8. INTERNAL STANDARDS

No defects found.

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

VBLK83
Acetone

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance.

Case Number: 34140
Site Name: Southeast Rockford GW Contamination

SDG Number: E2D88
Laboratory: A4 Scientific

12. ADDITIONAL INFORMATION

Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E2D88, E2D89, VBLK83, VHBLK01

Reviewed by: Allison Harvey
Date: May 24, 2005

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present.)

Analytical Results (Qualified Data)

Case #: 34140 SDG : E2D88
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

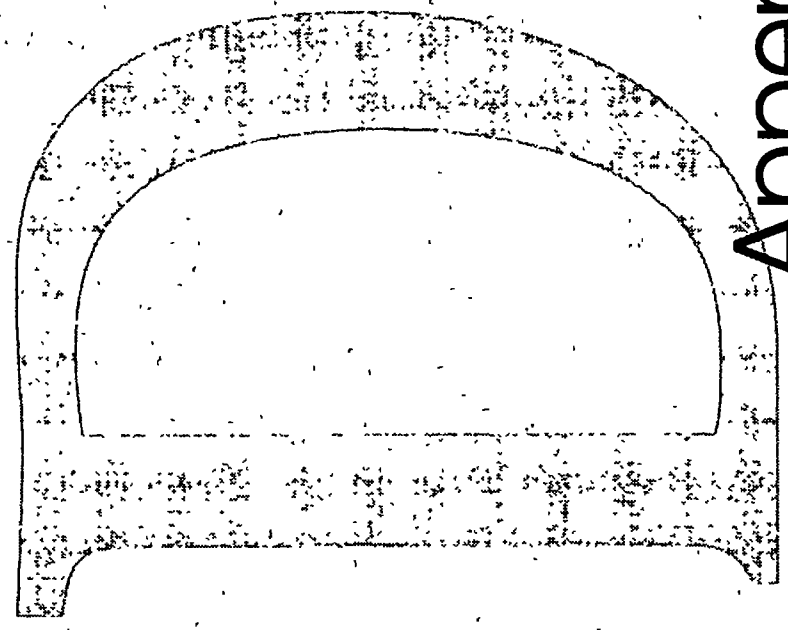
Number of Soil Samples . 0
Number of Water Samples · 2

Sample Number :	E2D88		E2D89		VBLK83		VHBLK01			
Sampling Location :	A7-RW-1		A7-TB-1							
Matrix :	Water		Water		Water		Water			
Units :	ug/L		ug/L		ug/L		ug/L			
Date Sampled :	4/26/2005		4/26/2005							
Time Sampled :	16.50		15:55							
%Moisture :	N/A		N/A		N/A		N/A			
pH :										
Dilution Factor :	1 0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	U	10	U	10	U	10	U		
CHLOROMETHANE	10	U	10	U	10	U	10	U		
VINYL CHLORIDE	10	U	10	U	10	U	10	U		
BROMOMETHANE	10	U	10	U	10	U	10	U		
CHLOROETHANE	10	UJ	10	UJ	10	UJ	10	UJ		
TRICHLOROFLUOROMETHANE	10	UJ	10	UJ	10	UJ	10	UJ		
1,1-DICHLOROETHENE	10	U	10	U	10	U	10	U		
1,1,2-TRICHLORO-1,2,2-TRIFLU	10	U	10	U	10	U	10	U		
ACETONE	10	UJ	10	UJ	10	UJ	10	UJ		
CARBON DISULFIDE	10	U	10	U	10	U	10	U		
METHYL ACETATE	10	U	10	U	10	U	10	U		
METHYLENE CHLORIDE	10	U	13	J	10	U	12			
TRANS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U		
METHYL TERT-BUTYL ETHER	10	U	10	U	10	U	10	U		
1,1-DICHLOROETHANE	10	U	10	U	10	U	10	U		
CIS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U		
2-BUTANONE	10	UJ	10	UJ	10	UJ	10	UJ		
CHLOROFORM	10	U	10	U	10	U	10	U		
1,1,1-TRICHLOROETHANE	10	U	10	U	10	U	10	U		
CYCLOHEXANE	10	U	10	U	10	U	10	U		
CARBON TETRACHLORIDE	10	U	10	U	10	U	10	U		
BENZENE	10	U	10	U	10	U	10	U		
1,2-DICHLOROETHANE	10	U	10	U	10	U	10	U		
TRICHLOROETHENE	10	U	10	U	10	U	10	U		
METHYLCYCLOHEXANE	10	U	10	U	10	U	10	U		
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U		
BROMODICHLOROMETHANE	10	U	10	U	10	U	10	U		
CIS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U		
4-METHYL-2-PENTANONE	10	U	10	U	10	U	10	U		
TOLUENE	10	U	10	U	10	U	10	U		
TRANS-1,3-DICHLOROPROPEN	10	U	10	U	10	U	10	U		
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U		
TETRACHLOROETHENE	10	U	10	U	10	U	10	U		

Analytical Results (Qualified Data)

Case #: 34140 SDG · E2D88
Site ROCKFORD GROUNDWATER
Lab. · A4
Reviewer :
Date :

Sample Number :	E2D88		E2D89		VBLK83		VHBLK01			
Sampling Location :	A7-RW-1		A7-TB-1							
Matrix :	Water		Water		Water		Water			
Units :	ug/L		ug/L		ug/L		ug/L			
Date Sampled :	4/26/2005		4/26/2005							
Time Sampled :	16:50		15:55							
%Moisture :	N/A		N/A		N/A		N/A			
pH :										
Dilution Factor :	1.0		1.0		1 0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U	10	U	10	U	10	U		
DIBROMOCHLOROMETHANE	10	U	10	U	10	U	10	U		
1,2-DIBROMOETHANE	10	U	10	U	10	U	10	U		
CHLOROBENZENE	10	U	10	U	10	U	10	U		
ETHYLBENZENE	10	U	10	U	10	U	10	U		
XYLENES (TOTAL)	10	U	10	U	10	U	10	U		
STYRENE	10	U	10	U	10	U	10	U		
BROMOFORM	10	U	10	U	10	U	10	U		
ISOPROPYLBENZENE	10	U	10	U	10	U	10	U		
1,1,2,2-TETRACHLOROETHANE	10	U	10	U	10	U	10	U		
1,3-DICHLOROBENZENE	10	U	10	U	10	U	10	U		
1,4-DICHLOROBENZENE	10	U	10	U	10	U	10	U		
1,2-DICHLOROBENZENE	10	U	10	U	10	U	10	U		
1,2-DIBROMO-3-CHLOROPROP/	10	R	10	R	10	R	10	R		
1,2,4-TRICHLOROBENZENE	10	U	10	U	10	U	10	U		



Appendix D

Appendix D
October 2004 Groundwater Sampling Log Sheets

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 10-11-04 **WELL #:** MW-106C

TIME: 13:54 **DEPTH OF PUMP:** 114 ft

WEATHER CONDITIONS: Sunny 60's **SAMPLERS:** David Boerek + John Grabs

ELAPSED TIME (MIN) 1410	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	(ml) FLOW RATE ~~500~~/m	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
14:15			500		7.48	0.453	122	2.00	13.57	1.4
14:20			500		7.43	0.472	32.6	1.56	13.85	4.7
14:25			500		7.41	0.479	19.2	1.50	13.95	7.6
14:30			500		7.40	0.487	13.4	1.35	13.20	11.5
14:35			500		7.39	0.492	9.99	1.41	13.96	14.8
14:40			500		7.39	0.498	8.41	1.43	13.88	18.0
14:45			500		7.38	0.507	7.05	1.50	13.92	22.4
14:50			500		7.39	0.504	6.92	1.51	13.99	26.7
			Sampled @ 14:54							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 10-11-04 WELL #: MW-106B

TIME: 15:25 DEPTH OF PUMP: 81.4

WEATHER CONDITIONS: Sunny - 60's SAMPLERS: David Bower + John Grabs

ELAPSED TIME (MIN) 1525	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
15:30			500		7.35	0.739	26.0	5.01	14.97	117.2
15:35			500		7.33	0.744	17.4	4.98	15.37	126.8
15:40			500		7.33	0.743	12.2	4.91	15.30	135.7
15:45			500		7.40	0.740	11.4	4.94	15.18	139.9
15:50			500		7.33	0.739	16.80	4.89	15.15	140.2
15:55			500		7.32	0.738	5.68	4.93	15.14	150.0
16:00			500		7.33	0.738	5.69	4.88	15.22	151.2
	Sampled @ 16:04									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROU...WATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 10/11/04 WELL #: MW134B

TIME: 1550 DEPTH OF PUMP: 40' bgs

WEATHER CONDITIONS: clear, cool, sunny ~60s F SAMPLERS: Dan

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
~~15~~ 5 10/11/04			600 mL/min		6.80	0.860	9.3	2.29	13.48	61.7
9			"		6.80	0.862	8.4	1.88	13.60	71.5
12			"		6.83	0.866	4.7	1.93	13.69	80.5
15			"		6.88	0.867	1.2	1.64	13.72	86.7
19			"		6.85	0.871	0.95	1.57	13.89	90.6
23			"		6.88	0.874	0.75	1.70	14.03	93.4
27			"		6.90	0.875	0.50	1.53	14.05	96.1
31			500 mL/min		6.89	0.873	0.40	1.53	13.94	98.0
35			250 mL/min		6.89	0.876	0.30	1.42	14.07	99.4

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 10-12-04 WELL #: MW-102A

TIME: 16:15 DEPTH OF PUMP:

WEATHER CONDITIONS: Sunny 60s SAMPLERS: David Bowler + Katie Dertz

ELAPSED TIME (MIN) 16:15	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
16:20			500		7.03	0.837	400	0.81	15.64	61.4
16:25			500		7.07	0.908	189	0.77	16.53	38.2
16:30			500		7.14	0.915	100	0.75	16.77	30.3
16:35			500		7.18	0.920	55	0.70	16.55	23.6
16:40			500		7.18	0.919	33	0.67	16.37	19.5
16:45			500		7.18	0.914	24	0.64	16.21	13.4
16:50			500		7.18	0.912	15	0.62	16.11	11.7
16:55			500		7.19	0.910	14	0.62	16.02	12.3
17:00			500		7.19	0.909	11	0.61	15.91	13.9

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 10-12-04 **WELL #:** MW-102B

TIME: 15:15 **DEPTH OF PUMP:**

WEATHER CONDITIONS: Sunny 60's **SAMPLERS:** David Bowe + Katie Dertz

ELAPSED TIME (MIN) 15:15	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
15:20			500		7.08	0.440	250	0.92	13.85	35.1
15:25			500		7.14	0.460	110	0.69	13.72	32.2
15:30			500		7.23	0.497	35	0.51	14.24	32.5
15:35			500		7.25	0.511	14	0.48	14.51	33.9
15:40			500		7.24	0.515	10	0.46	14.57	36.4
15:45			500		7.24	0.519	7.9	0.43	14.73	39.2

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 10-12-04 WELL #: MW-102B

TIME: 14:05 DEPTH OF PUMP:

WEATHER CONDITIONS: Sunny - 70's SAMPLERS: David Bowker + Katie Derke

ELAPSED TIME (MIN) 14:10	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
14:15			500		7.27	0.612	26	1.62	16.14	9.0
14:20			500		7.14	0.621	22	1.15	16.83	27.4
14.25			500		6.99	0.620	20	1.04	16.73	37.9
14:30			500		7.00	0.623	16	0.79	17.11	38.7
14:35			500		7.11	0.633	10	0.68	17.70	28.8
14:40			500		7.17	0.635	87	0.60	17.82	17.7
14:45			500		7.20	0.636	10	0.55	17.84	12.3

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 10-12-04 **WELL #:** MW-133C

TIME: 1100 **DEPTH OF PUMP:** 91

WEATHER CONDITIONS: Sunny, 60's **SAMPLERS:** David Bower Katie Dertz

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1100			500		7.52	0.439	71.4	4.18	13.20	183.8
1105			500		7.54	0.449	220	3.47	14.02	182.7
1110			500		~~7.52~~ 7.52	0.470	191	3.27	14.22	180.3
1115			500		7.51	0.486	209	3.23	14.69	177.4
1120			500		7.51	0.504	226	3.30	15.10	175.2
1125			500		7.51	0.516	158	3.01	15.04	172.6
1130			500		7.50	0.527	83.6	2.31	14.82	167.8
1135			500		7.50	0.539	92.8	2.22	15.01	165.0
1140			500		7.50	0.543	88.4	2.22	14.82	162.7

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 10-12-04 **WELL #:** MW133A

TIME: 1000 **DEPTH OF PUMP:** 33

WEATHER CONDITIONS: Partly Cloudy, 50's **SAMPLERS:** Katie Dertz David Bower

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1000			250	[illegible]	7.65	0.255	254	9.25	13.33	143.2
1015			500		7.59	0.352	43.6	8.52	14.26	126.8
1020			500		7.60	0.364	67.8	8.48	15.04	125.5
1025			500		7.60	0.365	10.99	8.58	14.83	129.4
1030			500		7.57	0.369	4.81	8.77	14.77	135.7

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 10-12-04 **WELL #:** MW-134C

TIME: 08.00 **DEPTH OF PUMP:** 58'

WEATHER CONDITIONS: party cloudy, 50's **SAMPLERS:** David Bower + Katie Pertz

ELAPSED TIME (MIN) 8:10	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
8:15			500		7.31	0.734	578	3.03	11:05	90.4
8:20			500		7.34	0.744	346	2.31	11:37	59.2
8:25			500		7.36	0.753	135	1.57	11.70	38.8
8:30			500		7.37	0.759	83.2	0.52	11.91	-26.8
8:35			500		7.40	0.762	38.2	0.43	11.92	-28.2
8:40			500		7.41	0 765	18.9	0.39	12.05	-28.4
8:45			500		7.40	0.769	13.4	0.43	12.20	-28.6
8:50			500		7.42	0.770	8.2	0.38	12.27	-29.0
8:55			500		7.42	0.772	8.7	0.37	12.43	-29.0
9.00			500		7.42	0.776	8.8	0.35	12.61	-29.6
			Sampled @ 9.00							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 10/12/04 WELL #: MW133B

TIME: 0800 DEPTH OF PUMP: 53'

WEATHER CONDITIONS: Overcast 50° SAMPLERS: Dan Cooper + John Grabs

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
15			300mL/min	very turbid - No Parameter Readings taken					1	
30			300mL/min		7.30	0.634	250	5.52	11.36	66.6
34			500 mL/min		7.12	0.653	155	5.00	12.36	75.9
38			500 mL/min		7.08	0.683	98	4.75	12.98	76.5
42			500 mL/min		7.06	0.714	109	4.43	14.71	64.9
46			500 mL/min		7.06	0.731	83.1	4.31	15.23	59.5
50			500 mL/min		7.05	0.730	64	4.28	14.81	60.2
54			500 mL/min		7.05	0.732	62	4.25	14.79	60.3
60	Sample Time @ 0900									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 10/12/04 **WELL #:** MW-103D

TIME: 0956 **DEPTH OF PUMP:** 195'

WEATHER CONDITIONS: Partly Cloudy 60°F **SAMPLERS:** Dan Cooper & John Gabs

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE ml/min	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
10			500		7.10	0.575	19.5	7.40	12.65	48.7
15			500		7.04	0.607	9.93	6.57	12.87	55.3
18			500		7.02	0.618	5.88	6.43	12.96	61.4
21			500		7.00	0.628	3.09	6.71	13.06	66.2
24			500		7.00	6.31	3.28	6.54	13.06	68.1
27			500		6.99	6.32	3.06	6.49	13.08	69.3
32	Sample	Time @	1028							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 10/12/04 WELL #: MW-103B

TIME: 1051 DEPTH OF PUMP: 70'

WEATHER CONDITIONS: Partly Cloudy 60°F SAMPLERS: Dan Cooper + John Grabs

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE mL/min	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
9			500		7.26	.588	21.7	9.62	13.95	48.1
12			500		7.22	.602	16.6	8.51	14.18	52.4
15			500		7.19	.614	13.6	8.84	14.43	55.2
18			500		7.17	.629	12.2	8.39	14.75	59.2
21			500		7.17	.631	7.49	8.25	14.81	61.8
24			500		7.16	.630	6.96	8.37	14.84	62.2
27			500		7.16	6.30	6.84	8.33	14.88	62.5
34	Sample Time @		1125							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 10/12/04 **WELL #:** MW-103C

TIME: 1348 **DEPTH OF PUMP:** 102

WEATHER CONDITIONS: Sunny 70°F **SAMPLERS:** Dan Cooper & John Grados

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE ml/min	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
10			500		7.51	0.564	18.6	10.65	14.33	72.9
14			500		7.50	0.573	13.8	4.89	14.91	76.9
17			500		7.48	0.579	11.2	5.54	15.06	85.6
20			500		7.46	0.584	10.9	6.61	15.09	94.1
23			500		7.44	0.588	8.8	6.81	15.06	97.2
26			500		7.43	0.592	7.35	7.05	15.03	98.3
30			500		7.43	0.594	7.18	7.10	15.04	99.5
37	Sample	Time @	1425							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 10/12/04 **WELL #:** MW-103A

TIME: 1448 **DEPTH OF PUMP:** 36'

WEATHER CONDITIONS: Sunny & 70°F **SAMPLERS:** Dan Cooper & John Gombs

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
5			500		7.02	0.829	22.3	10.47	16.43	58.7
10			500		6.91	1.689	17.2	9.32	16.23	38.3
13			500		6.86	2.037	8.57	9.20	15.96	39.8
16			500		6.84	2.152	4.00	8.48	15.96	44.3
19			500		6.83	2.150	3.04	8.17	15.98	47.4
22			500		6.83	2.139	2.06	7.97	15.98	48.3
25			500		6.83	2.138	2.05	7.91	15.99	49.1

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING Wm

SITE NAME: Southeast Rockford, Area 7

DATE: 10/12/04 WELL #: MW-106A

TIME: 1602 DEPTH OF PUMP: 36'

WEATHER CONDITIONS: Partly Cloudy 65°F SAMPLERS: Dan Cooper & John Grubs

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE mL/min	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
6			500		7.07	0.69	34.8	14.31	15.20	-56.5
10			500		7.00	0.664	23.0	14.01	15.37	-58.6
14			500		6.97	0.703	15.4	13.95	15.71	-68.0
17			500		6.96	0.735	8.57	13.50	15.77	-69.6
20			500		6.95	0.817	5.11	13.18	15.62	-76.2
24			500		6.92	0.851	2.58	13.02	15.58	-78.0
27			500		6.92	0.853	2.20	12.95	15.53	-77.8
33	Sample	Time @	1630							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 10/13/04 WELL #: MW 134 A

TIME: 0850 DEPTH OF PUMP: 25'

WEATHER CONDITIONS: Overcast 55°F SAMPLERS: Dan Cooper + Katie Dertz

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE mL/min	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
10			500		6.79	0.616	19.2	5.76	12.50	-66.9
14			500		6.69	0.769	15.1	5.34	12.78	-74.9
17			500		6.68	0.829	22.2	5.17	12.73	-77.5
20			500		6.68	0.857	24.5	5.07	13.04	-79.5
24			500		6.66	0.872	20.3	5.03	13.26	-81.0
27			500		6.67	0.890	16.4	4.90	13.36	-83.2
30			500		6.66	0.894	15.8	4.84	13.40	-83.9
33			500		6.67	0.897	15.6	4.77	13.42	-84.1
40	Sample Time @ 0930									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

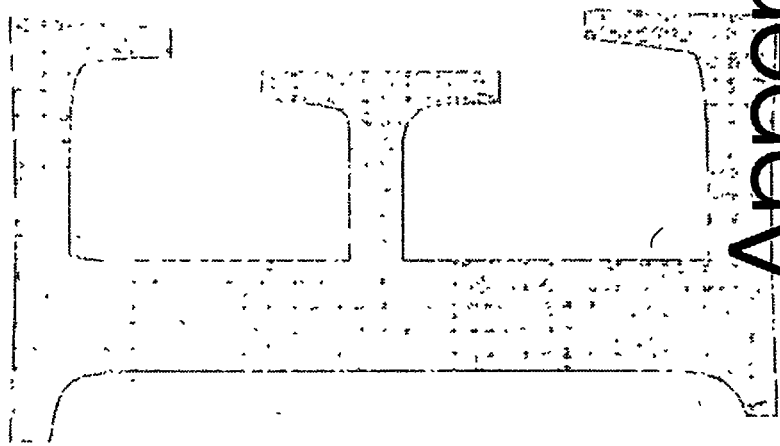
DATE: 10-13-04 WELL #: MW-136

TIME: 9:30 DEPTH OF PUMP:

WEATHER CONDITIONS: Partly cloudy - 50's SAMPLERS: David Bower + John Grafs

ELAPSED TIME (MIN) 09:30	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
09:35					7.16	0.688		3.51	14.15	136.4

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.



Appendix E

Appendix E
October 2004 Groundwater Sampling Analytical and Data Validation Reports

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on October 26, 2004

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: CDM

We have reviewed the data for the following case:

SITE NAME: Southeast Rockford Groundwater Contamination (IL)

CASE NUMBER: 33432 SDG NUMBER: E2D61

Number and Type of Samples: 20 (waters)

Sample Numbers: E2D59 through E2D74 and E2D77 through E2D80

Laboratory: Envirosystems Hrs. for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Case Number : 33432 **SDG Number: E2D61**
Site Name: Southeast Rockford Groundwater (IL) **Laboratory: Envirosystems**

Twenty (20) water samples, numbered E2D59 throughE2D74 and E2D77 through E2D80, were collected on October 11th and 12th, 2004. The lab received the samples on October 12th and 13th, 2004 in good condition. All samples were analyzed for only the volatile list of organic analytes. All were analyzed according to CLP SOW *OLC03.2*.

Reviewed By: Richard Baltrus/ Alion Science Tech.
Date: November 10, 2004

se Number : 33432 SDG Number: E2D61
.te Name: Southeast Rockford Groundwater (IL) Laboratory: Envirosystems

1. HOLDING TIME

No defects found.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No defects found.

3. CALIBRATION

The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

Methyl Acetate
E2D61, E2D61RE, E2D62, E2D63, E2D64, E2D65, E2D66, E2D67, E2D68, E2D69, E2D70, E2D72, E2D74, E2D74MS, E2D74MSD, E2D77, E2D78, E2D79, VBLKF5, VBLKFG, VBLKFH

Methylene Chloride
E2D59, E2D60, E2D63DL, E2D64DL, E2D65DL, E2D66DL, E2D67DL, E2D68DL, E2D69DL, E2D70DL, E2D71, E2D72DL, E2D73, E2D74DL, E2D77DL, E2D78DL, E2D79RE, E2D80, VBLKF2, VBLKF3, VBLKFO, VHBLKF3

The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ" unless qualified for another problem.

Acetone, 2-Butanone, Methyl Acetate, Methyl tert-Butyl Ether
E2D65, E2D66, E2D67, E2D69, E2D70, E2D72, E2D74, E2D74MS, E2D74MSD, E2D77, E2D78, E2D79, VBLKF5

Methylcyclohexane
E2D61, E2D62, E2D63, E2D64, E2D68, VBLKFG

Isopropylbenzene
E2D61RE, VBLKFH

The following volatile samples are associated with an initial calibration in which a SMC/DMC did not meet relative response factor (RRF) criteria. No action is taken on the DMC %RSD and RRF data alone.

Trans-1,3-Dichloropropene-d4
E2D59, E2D60, E2D63DL, E2D64DL, E2D65DL, E2D66DL, E2D67DL, E2D68DL, E2D69DL, E2D70DL, E2D71, E2D72DL, E2D73, E2D74DL, E2D77DL, E2D78DL, E2D79RE, E2D80, VBLKF2,

VBLKF3, VBLKFO, VHBLKF3

2-Hexanone-d
E2D61, E2D61RE, E2D62, E2D63, E2D64, E2D65, E2D66, E2D67, E2D68, E2D69, E2D70, E2D72, E2D74, E2D74MS, E2D74MSD, E2D77, E2D78, E2D79, VBLKF5, VBLKFG, VBLKFH

The following volatile samples are associated with a continuing calibration in which a SMC/DMC did not meet relative response factor (RRF) criteria. No action is taken on the DMC %RSD and RRF data alone.

Trans-1,3-Dichloropropene-d4
E2D59, E2D60, E2D63DL, E2D64DL, E2D65DL, E2D66DL, E2D67DL, E2D68DL, E2D69DL, E2D70DL, E2D71, E2D72DL, E2D73, E2D74DL, E2D77DL, E2D78DL, E2D79RE, E2D80, VBLKF2, VBLKF3, VBLKFO, VHBLKF3

2-Hexanone-d
E2D61, E2D61RE, E2D62, E2D63, E2D64, E2D65, E2D66, E2D67, E2D68, E2D69, E2D70, E2D72, E2D74, E2D74MS, E2D74MSD, E2D77, E2D78, E2D79, VBLKF5, VBLKFG, VBLKFH

The following volatile samples are associated with a continuing calibration in which a SMC/DMC exceeded percent difference (%D) criteria. No action is taken on the DMC %RSD and RRF data alone.

Vinyl Chloride-d3, 1,1-Dichloroethene-d2
E2D61, E2D61RE, E2D62, E2D63, E2D64, E2D65, E2D66, E2D67, E2D68, E2D69, E2D70, E2D72, E2D74, E2D74MS, E2D74MSD, E2D77, E2D78, E2D79, VBLKF5, VBLKFG, VBLKFH

Chloroethane-d5
E2D61, E2D62, E2D63, E2D64, VBLKFG

1,2-Dichloroethane-d4, Bromoform-d, 1,1,2,2-Tetrachloroethane-d2
E2D65, E2D66, E2D67, E2D68, E2D69, E2D70, E2D72, E2D74, E2D74MS, E2D74MSD, E2D77, E2D78, E2D79, VBLKF5, VBLKFG, VBLKFH

Benzene-d8
E2D61, E2D61RE, E2D62, E2D63, E2D64, VBLKFG, VBLKFH

Toluene-d8
E2D61, E2D61RE, E2D62, E2D63, E2D64, E2D74DL, E2D77DL, E2D78DL, E2D80, VBLKFG, VBLKFO

4. **BLANKS**
The following volatile samples were analyzed after a highly contaminated sample and have no preceding instrument blank. Positive results are qualified "J".

1,1-Dichloroethene
E2D64, E2D66, E2D67, E2D69, E2D70, E2D72, E2D74, E2D74MS, E2D74MSD, E2D77, E2D78

1,1-Dichloroethane
E2D63, E2D64, E2D66, E2D67, E2D69, E2D70, E2D72, E2D74, E2D74MS, E2D74MSD, E2D77, E2D78

cis-1,2-Dichloroethene, 1,1,1-Trichloroethane
E2D63, E2D64, E2D66, E2D67, E2D69, E2D70, E2D72, E2D74, E2D74MS, E2D74MSD, E2D77, E2D78, E2D79

Trichloroethene
E2D64, E2D66, E2D67, E2D69, E2D70, E2D72, E2D74, E2D74MS, E2D74MSD, E2D77, E2D78, E2D79

Tetrachloroethene
E2D64, E2D66, E2D67, E2D69, E2D70, E2D72, E2D74, E2D74MS, E2D74MSD, E2D79

The following volatile samples have analyte concentrations reported below the CRQL. The associated method blank concentration is less than the concentration criteria. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U or UJ" and non-detects are not flagged unless qualified for another problem.

Acetone
E2D65, E2D67, E2D69, E2D70, E2D72, E2D74, E2D74MS, E2D74MSD, E2D77, E2D78, E2D79

Methylene Chloride
E2D61, E2D62, E2D63, E2D63DL, E2D64, E2D65DL, E2D66DL, E2D67DL, E2D68, E2D68DL, E2D69DL, E2D70DL, E2D73, E2D77, E2D78DL, E2D79, E2D80

Bromoform
E2D65DL, E2D67DL, E2D73, E2D80

The following volatile samples have analyte concentrations reported greater then CRQL and less than or equal to ten times (10X) the CRQL. Hits are qualified "U or UJ" and non-detects are not flagged.

Methylene Chloride
E2D65, E2D66, E2D67, E2D69, E2D70, E2D72, E2D74, E2D74DL, E2D74MS, E2D74MSD, E2D77DL, E2D78, VHBLKF3

The following volatile samples have analyte concentrations reported below the CRQL. The associated method blank concentration is more than or equal to the concentration criteria. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U or UJ" and non-detects are not flagged.

Methyl Acetate
E2D74, E2D79

The following volatile samples have analyte concentrations reported at or above the CRQL and less than the method blank concentration. The associated method blank concentration is more than or equal to the concentration criteria. Blank concentration value is reported as the sample result. Hits and non-detects are not flagged.

Methyl Acetate
E2D65, E2D66, E2D67, E2D69, E2D70, E2D72, E2D74MS, E2D74MSD, E2D77, E2D78

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

The following volatile samples have DMC recoveries above the upper limit of the criteria window. Hits are qualified "J" and non-detects are not flagged unless qualified for another problem.

E2D65, E2D66
Dibromochloromethane, 1,2-Dibromoethane, Bromoform

E2D65DL, E2D70DL
Trichlorofluoromethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, Methyl tert-Butyl Ether, 1,1-Dichloroethane, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, 1,1,1-Trichloroethane, Cyclohexane, Carbon Tetrachloride, Benzene, 1,2-Dichloroethane, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, Dibromochloromethane, 1,2-Dibromoethane, Bromoform

E2D68
Acetone, 2-Butanone

E2D69DL
Cyclohexane, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane

The following volatile samples have one or more DMC recovery values below the lower limit of the criteria window. Hits are biased low and qualified "J" and non-detects are qualified "UJ".
E2D60
Trichloroethene, cis-1,3-Dichloropropene, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, Ethylbenzene, Xylene (total), Styrene, Isopropylbenzene

se Number : 33432 SDG Number: E2D61
ıte Name: Southeast Rockford Groundwater (IL) Laboratory: Envirosystems

E2D61
1,1-Dichloroethane, Bromochloromethane, Chloroform, Trichloroethene, cis-1,3-Dichloropropene, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, Ethylbenzene, Xylene (total), Styrene, Isopropylbenzene, 1,1,2,2,-Tetrachloroethane, 1,2-Dibromo-3-chloropropane

E2D61RE, E2D63DL, E2D64
cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane

E2D62
cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, 1,1,2,2,-Tetrachloroethane, 1,2-Dibromo-3-chloropropane

E2D66, E2D67, E2D69, E2D74MS, E2D74MSD, E2D77, E2D78, E2D79
Dichlorodifluoromethane, Chloromethane, Bromomethane, Chloroethane, Carbon Disulfide

E2D66DL
Trichloroethene, cis-1,3-Dichloropropene, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, Ethylbenzene, Xylene (total), Styrene, Isopropylbenzene

E2D70
Acetone, 2-Butanone

E2D72DL, E2D74DL
Dichlorodifluoromethane, Chloromethane, Bromomethane, Chloroethane, Carbon Disulfide, Trichloroethene, cis-1,3-Dichloropropene, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, Ethylbenzene, Xylene (total), Styrene, Isopropylbenzene

E2D79RE
Dichlorodifluoromethane, Chloromethane, Bromomethane, Chloroethane, Carbon Disulfide, Cyclohexane, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, Trichloroethene, cis-1,3-Dichloropropene, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, Ethylbenzene, Xylene (total), Styrene, Isopropylbenzene

E2D78DL, E2D80
Dichlorodifluoromethane, Chloromethane, Bromomethane, Chloroethane, Carbon Disulfide, Trichloroethene, Toluene, Tetrachloroethene, Ethylbenzene, Xylene (total), Styrene, Isopropylbenzene

The following volatile samples have DMC recoveries outside the expanded lower criteria less than 20%. Hits are qualified "J" and non-detects are qualified "R".

E2D65, E2D66, E2D67, E2D74, E2D74MS, E2D74MSD, E2D78
Acetone, 2-Butanone

Reviewed By: Richard Baltrus/ Alion Science Tech.
Date: November 10, 2004

se Number : 33432 SDG Number: E2D61
ite Name: Southeast Rockford Groundwater (IL) Laboratory: Envirosystems

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The relative percent difference (RPD) between the following volatile matrix spike and matrix spike duplicate recoveries is outside criteria.

E2D74MS, E2D74MSD
1,1-Dichloroethene, Trichloroethene

The following volatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria.

E2D74MS
Trichloroethene

E2D74MSD
1,1-Dichloroethene, Trichloroethene

The presence of Trichloroethene in the unspiked sample, E2D74 , a positive result is qualified "J" and non-detect is qualified "R". The presence of 1,1-Dichloroethene in the unspiked sample, E2D74, a positive result is qualified "J" and a non-detect is qualified "UJ".

7. FIELD BLANK AND FIELD DUPLICATE

Sample E2D80 a trip blank. Sample E2D80 contains Acetone at 5.4 µg/L, Benzene at 0.23 µg/L, Toluene at 0.93 µg/L and no volatile TICs.

Sample E2D70 is a field duplicate of sample E2D64. Samples E2D64 and E2D70 are summarized in the following table.

	E2D64	E2D64DL µG/L	E2D70	E2D70DL µG/L
	µG/L	Dil. Factor 25.0	µG/L	Dil. Factor 25.0
Chloroethane	2.9		1.7	
1,1-Dichloroethene	13	16	10	
Methyl Acetate			0.54	
	E2D64	E2D64DL µG/L	E2D70	E2D70DL µG/L
	µG/L	Dil. Factor 25.0	µG/L	Dil. Factor 25.0
trans-1,2-Dichloroethene	3.8		3.7	
1,1-Dichloroethane	87	77	83	92

Reviewed By: Richard Baltrus/ Alion Science Tech.
Date: November 10, 2004

se Number : 33432 SDG Number: E2D61
.te Name: Southeast Rockford Groundwater (IL) Laboratory: Envirosystems

cis-1,2-Dichloroethene	230	190	230	210
Chloroform	0.57		0.64	
1,1,1-Trichloroethane	130	97	100	110
Trichloroethene	33	21	29	23
1,1,2-Trichloroethane	0.29 J		0.30 J	
Tetrachloroethene	12	7.8 J	9.5	8.7 J

Samples E2D64, E2D64DL, E2D70 and E2D70DL contain no volatile TICs.

Sample E2D69 may be a field duplicate of sample E2D63 since the Chain-of-Custody have the same station and date, but different time. Samples E2D63 and E2D69 are summarized in the following table.

	E2D63	E2D63DL µG/L	E2D69	E2D69DL µG/L
	µG/L	Dil. Factor 40.0	µG/L	Dil. Factor 40.0
Vinyl Chloride	0.58		0.46 J	
Chloroethane	0.29 J			
Trichlorofluoromethane	0.53		0.42 J	
1,1-Dichloroethene	50	47	45	51
Methyl Acetate			0.64	
trans-1,2-Dichloroethene	3.3		3.5	
1,1-Dichloroethane	110	110	110	110
cis-1,2-Dichloroethene	330	320	360	320
Chloroform	1.1		1.2	
1,1,1-Trichloroethane	140	120	130	120
	E2D63	E2D63DL µG/L	E2D69	E2D69DL µG/L
	µG/L	Dil. Factor 40.0	µG/L	Dil. Factor 40.0
1,2-Dichloroethane	1.8		2.0	

Reviewed By: Richard Baltrus/ Alion Science Tech.
Date: November 10, 2004

Trichloroethene	85	61	86	66
1,1,2-Trichloroethane	0.78		0.90	
Tetrachloroethene	27	18 J	25	20

Samples E2D63, E2D63DL, E2D69 and E2D69DL contain no volatile TICs.

Sample E2D79 was identified as a field QC. E2D79 is summarized in the following table.

	E2D79	E2D79RE
	µG/L	µG/L
Acetone		4.3 J
cis-1,2-Dichloroethene	3.2	2.3
1,1,1-Trichloroethane	0.85	0.97
Trichloroethene	0.41 J	0.41 J
Toluene	0.39 J	0.38 J
Tetrachloroethene	1.4	1.6
Volatile TIC	1	0

Results are not qualified based upon the results of the field blank or field duplicates.

8. INTERNAL STANDARDS

The following volatile samples have internal standard area counts outside expanded criteria. Hits are qualified "J" and non-detects are qualified "R".

E2D61RE, E2D63, E2D63DL, E2D64, E2D65DL, E2D66DL, E2D67DL, E2D69DL, E2D72DL
Bromoform, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA compounds were properly identified.

0. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

se Number : 33432 SDG Number: E2D61
ite Name: Southeast Rockford Groundwater (IL) Laboratory: Envirosystems

The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E2D59
Vinyl Chloride, Chloroethane, Acetone

E2D61, E2D61RE
1,1-Dichloroethene, Chloroform

E2D62, E2D68DL, E2D71, E2D77DL
trans-1,2-Dichloroethene

E2D63, E2D65, E2D77
Chloroethane

E2D63DL, E2D64DL, E2D70DL, E2D74DL
Tetrachloroethene

E2D64, E2D70
1,1,2-Trichloroethane

E2D66DL, E2D67DL, E2D72DL
Chloroform

E2D68
Dichlorodifluoromethane, Chloroform

E2D69
Vinyl Chloride, Trichlorofluoromethane

E2D73, VBLKF5
Acetone

E2D78
Methyl tert-Butyl Ether, 2-Butanone, Benzene, 1,1,2-Trichloroethane, 1,1,2,2-Tetrachloroethane

E2D79
Trichloroethene, Toluene
E2D79RE
Acetone, Trichloroethene, Toluene

E2D80
Benzene

Reviewed By: Richard Baltrus/ Alion Science Tech.
Date: November 10, 2004

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The anlayte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present)

Date: 10/26/2004 Wincadre 3.1.3.2 Page: 1

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D61

Sample Type: Routine Sample
Lab ID: ENVSYS
Case No.: 33432
SDG No.: E2D61

Location: A7-MW-106C
Matrix/Level: Water/
File Name: E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*

*Q: Laboratory Qualifier

Date: 10/26/2004 Wincadre 3.1.3.2 Page: 2

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D61RE

Sample Type: Routine Sample
Lab ID: ENVSYS
Case No.: 33432
SDG No.: E2D61

Location: A7-MW-106C
Matrix/Level: Water/
File Name: E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*

*Q: Laboratory Qualifier

Date: 10/26/2004 Wincadre 3.1.3.2 Page: 3

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D62

Sample Type: Routine Sample
Lab ID: ENVSYS
Case No.: 33432
SDG No.: E2D61

Location: A7-MW-106B
Matrix/Level: Water/
File Name: E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*

*Q: Laboratory Qualifier

Date: 10/26/2004 Wincadre 3.1.3.2 Page: 4

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D63

Sample Type: Routine Sample
Lab ID: ENVSYS
Case No.: 33432
SDG No.: E2D61

Location: A7-MW-102C
Matrix/Level: Water/
File Name: E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D64

Sample Type: Routine Sample
Lab ID: ENVSYS
Case No.: 33432
SDG No.: E2D61

Location: A7-MW-103D
Matrix/Level: Water/
File Name: E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D65

Sample Type: Routine Sample
Lab ID: ENVSYS
Case No.: 33432
SDG No.: E2D61

Location: A7-MW-133B
Matrix/Level: Water/
File Name: E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*

Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D66

Sample Type: Routine Sample
Lab ID: ENVSYS
Case No.: 33432
SDG No.: E2D61

Location: A7-MW-103B
Matrix/Level: Water/
File Name: E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	6.66	1.5	J
556672	CYCLOTETRASILOXANE, OCTAMETHYL-	10.97	2.8	NJ

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D67

Sample Type: Routine Sample
Lab ID: ENVSYS
Case No.: 33432
SDG No.: E2D61

Location: A7-MW-103C
Matrix/Level: Water/
File Name: E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*

VBLKF2, VBLKFO
Methylene Chloride, Bromoform

VBLKF3, VBLKFG, VBLKFH
Methylene Chloride

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance.

12. ADDITIONAL INFORMATION

Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E2D59, E2D60, E2D61, E2D61RE, E2D62, E2D63, E2D63DL, E2D64, E2D64DL, E2D65, E2D65DL, E2D66, E2D66DL, E2D67, E2D67DL, E2D68, E2D68DL, E2D69, E2D69DL, E2D70, E2D70DL, E2D71, E2D72, E2D72DL, E2D73, E2D74, E2D74DL, E2D74MS, E2D74MSD, E2D77, E2D77DL, E2D78, E2D78DL, E2D79, E2D79RE, E2D80, VBLKF2, VBLKF3, VBLKF5, VBLKFG, VBLKFH, VBLKFO, VHBLKF3

The following volatile samples have analytes that exceeded the instruments calibration range. For any analyte that exceeded the calibration range the results from the diluted sample should be considered the final concentration.

1,1-Dichloroethene
E2D63, E2D65, E2D66, E2D67, E2D69, E2D72, E2D78

1,1-Dichloroethane
E2D63, E2D64, E2D65, E2D66, E2D67, E2D68, E2D69, E2D70, E2D72, E2D74, E2D77, E2D78

cis-1,2-Dichloroethene, 1,1,1-Trichloroethane
E2D63, E2D64, E2D65, E2D66, E2D67, E2D68, E2D69, E2D70, E2D72, E2D74, E2D77, E2D78, E2D79

Trichloroethene
E2D63, E2D64, E2D65, E2D66, E2D67, E2D69, E2D70, E2D72, E2D74

Tetrachloroethene
E2D63, E2D65, E2D66, E2D67, E2D69, E2D72, E2D74, E2D78

Sample E2D61 was re-analyzed because more than 3 DMCs failed to meet the recovery limits.

Reviewed By: Richard Baltrus/ Alion Science Tech.
Date: November 10, 2004

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D68

Sample Type: Routine Sample
Lab ID: ENVSYS
Case No.: 33432
SDG No.: E2D61

Location: A7-MW-134B
Matrix/Level: Water/
File Name: E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D69

Sample Type: Routine Sample
Lab ID: ENVSYS
Case No.: 33432
SDG No.: E2D61

Location: A7-MW-102C(D)
Matrix/Level: Water/
File Name: E2D61

AS No.	Compound Name	RT	Concentration (UG/L)	Q*

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D70

Sample Type: Routine Sample
Lab ID: ENVSYS
Case No.: 33432
SDG No.: E2D61

Location: A7-MW-103D(D)
Matrix/Level. Water/
File Name: E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D72

Sample Type: Routine Sample
Lab ID: ENVSYS
Case No.: 33432
SDG No.: E2D61

Location: A7-MW-133C
Matrix/Level: Water/
File Name: E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*

	UNKNOWN	4 61	3.3	J
556672	CYCLOTETRASILOXANE, OCTAMETHYL-	10.97	2.4	NJ

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D74

Sample Type:	Spike Original		
Lab ID:	ENVSYS	Location:	A7-MW-103A
Case No.:	33432	Matrix/Level:	Water/
SDG No.:	E2D61	File Name:	E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
556672	CYCLOTETRASILOXANE, OCTAMETHYL-	10 97	1.4	NJ

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D77

Sample Type:	Routine Sample		
Lab ID:	ENVSYS	Location:	A7-MW-102A
Case No.:	33432	Matrix/Level:	Water/
SDG No.:	E2D61	File Name:	E2D61

CAS No	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	4 60	3.7	J

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D77DL

Sample Type:	Routine Sample		
Lab ID:	ENVSYS	Location:	A7-MW-102A
Case No.:	33432	Matrix/Level:	Water/
SDG No.:	E2D61	File Name:	E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	12.91	5.3	JD

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample Type:	Routine Sample	Sample No.:	E2D78
Lab ID:	ENVSYS	Location:	A7-MW-106A
Case No.:	33432	Matrix/Level:	Water/
SDG No.:	E2D61	File Name:	E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
103651	BENZENE, PROPYL-	10.89	6.1	NJ
611143	BENZENE, 1-ETHYL-2-METHYL-	10.99	9.5	NJ
108678	BENZENE, 1,3,5-TRIMETHYL-	11.09	12	NJ
611143	BENZENE, 1-ETHYL-2-METHYL-	11.29	11	NJ
108678	BENZENE, 1,3,5-TRIMETHYL-	11.47	48	NJ
93538	BENZENEACETALDEHYDE, .ALPHA.-METHYL-	11.65	1.6	NJ
527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	11.77	2.7	NJ
526738	BENZENE, 1,2,3-TRIMETHYL-	11.90	17	NJ
496117	INDANE	12.10	1.9	NJ
1074437	BENZENE, 1-METHYL-3-PROPYL-	12.16	3.8	NJ
527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	12.24	4.3	NJ
93538	BENZENEACETALDEHYDE, .ALPHA.-METHYL-	12.41	2.0	NJ
527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	12.54	2.4	NJ
933982	BENZENE, 1-ETHYL-2,3-DIMETHYL-	12.62	3.2	NJ
824908	1-PHENYL-1-BUTENE	12.71	1.4	NJ
874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	12.93	1.1	NJ
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	13.09	2.0	NJ
	UNKNOWN	13.52	2.4	J

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample Type:	Field Blank	Sample No ·	E2D79
Lab ID:	ENVSYS	Location:	A7-MW-106A(R)
Case No.:	33432	Matrix/Level:	Water/
SDG No.:	E2D61	File Name:	E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
526738	BENZENE, 1,2,3-TRIMETHYL-	11.47	0.65	NJ

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample Type:	Method Blank	Sample No.:	VBLKF5
Lab ID:	ENVSYS	Location:	
Case No.·	33432	Matrix/Level:	Water/

SDG No.: E2D61 File Name: E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	10.95	0.78	J
20020	2-FURANCARBOXALDEHYDE, 5-METHYL-	11.59	0.55	NJ

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: VBLKFG

Sample Type: Method Blank
Lab ID: ENVSYS
Case No.: 33432
SDG No.: E2D61

Location:
Matrix/Level: Water/
File Name: E2D61

CAS No	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	10.95	0.61	J

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: VBLKFH

Sample Type: Method Blank
Lab ID. ENVSYS
Case No.: 33432
SDG No.: E2D61

Location:
Matrix/Level: Water/
File Name: E2D61

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	10.95	0.61	J

*Q: Laboratory Qualifier

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 20

Sample Number :	E2D59		E2D60		E2D61		E2D61RE		E2D62	
Sampling Location :	A7-MW-102B		A7-MW-133A		A7-MW-106C		A7-MW-106C		A7-MW-106B	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled	10/12/2004		10/12/2004		10/11/2004		10/11/2004		10/11/2004	
Time Sampled :	14:50		10:35		14:54		14:54		16:04	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.50	UJ	0.50	U	0.50	U	0.50	UJ	0.50	U
Chloromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl Chloride	0.50	UJ	0.50	U	0.50	U	0.50	UJ	0.50	U
Bromomethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Trichlorofluoromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene	0.50	UJ	0.50	U	0.50	U	0.50	UJ	0.50	U
1,1,2-Trichloro-1,2,2-trifluor	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	5.0	UJ	5.0	U	5.0	U	5.0	UJ	5.0	U
Carbon Disulfide	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	0.50	UJ	0.50	U	0.50	UJ	0.50	UJ	0.50	UJ
Methylene Chloride	0.50	UJ	0.50	UJ	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
Methyl tert-Butyl Ether	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	0.50	UJ	0.50	U	0.50	UJ	0.50	UJ	0.50	UJ
cis-1,2-Dichloroethene	4.3		0.50	U	2.6		2.7		8.2	
2-Butanone	5.0	UJ	5.0	U	5.0	UJ	5.0	UJ	5.0	UJ
Bromochloromethane	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	U
Chloroform	0.50	UJ	0.50	U	0.50	UJ	0.50	UJ	0.50	UJ
1,1,1-Trichloroethane	0.50	U	0.50	U	1.3		1.4		3.2	
Cyclohexane	0.50	UJ	0.50	U	0.50	UJ	0.50	UJ	0.50	UJ
Carbon Tetrachloride	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Benzene	0.50	UJ	0.50	U	0.50	UJ	0.50	UJ	0.50	UJ
1,2-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Methylcyclohexane	0.50	U	0.50	U	0.50	UJ	0.50	U	0.50	UJ
1,2-Dichloropropane	0.50	UJ	0.50	U	0.50	UJ	0.50	UJ	0.50	UJ
Bromodichloromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Toluene	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
trans-1,3-Dichloropropene	0.50	U	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
1,1,2-Trichloroethane	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	E2D59		E2D60		E2D61		E2D61RE		E2D62	
Sampling Location :	A7-MW-102B		A7-MW-133A		A7-MW-106C		A7-MW-106C		A7-MW-106B	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/12/2004		10/12/2004		10/11/2004		10/11/2004		10/11/2004	
Time Sampled :	14:50		10:35		14:54		14:54		16:04	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene	0.50	UJ	0.50	UJ	0.50	UJ	0.50	R	0.50	UJ
2-Hexanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Dibromochloromethane	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
1,2-Dibromoethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Ethylbenzene	0.50	U	0.50	UJ	0.50	UJ	0.50	U	0.50	U
Xylenes, total	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Styrene	0.50	U	0.50	UJ	0.50	UJ	0.50	U	0.50	U
Bromoform	0.50	UJ	0.50	UJ	0.50	UJ	0.50	R	0.50	UJ
Isopropylbenzene	0.50	U	0.50	UJ	0.50	UJ	0.50	UJ	0.50	U
Carbon tetrachloride	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	R	0.50	U
1,4-Dichlorobenzene	0.50	UJ	0.50	UJ	0.50	UJ	0.50	R	0.50	UJ
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	R	0.50	U
1,2-Dibromo-3-chloropropane	0.50	UJ	0.50	UJ	0.50	UJ	0.50	R	0.50	UJ
1,2,4-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	R	0.50	U
1,2,3-Trichlorobenzene	0.50	UJ	0.50	UJ	0.50	UJ	0.50	R	0.50	UJ

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	E2D63		E2D63DL		E2D64		E2D64DL		E2D65	
Sampling Location :	A7-MW-102C		A7-MW-102C		A7-MW-103D		A7-MW-103D		A7-MW-133B	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/12/2004		10/12/2004		10/12/2004		10/12/2004		10/12/2004	
Time Sampled :	15:50		15:50		10:28		10:28		09:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		40.0		1.0		25.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.50	UJ	20	UJ	0.50	UJ	13	UJ	0.50	UJ
Chloromethane	0.50	U	20	U	0.50	U	13	U	0.50	U
Vinyl Chloride	0.58		20	U	0.50	U	13	U	0.50	U
Bromomethane	0.50	U	20	U	0.50	U	13	U	0.50	U
Chloroethane	0.26	UJ	20	UJ	0.29		13	UJ	0.12	UJ
Trichlorofluoromethane	0.53		20	U	0.50	U	13	U	3.5	
1,1-Dichloroethene	0.50		47		3.3		13		0.50	
1,1,2-Trichloro-1,2,2-trifluor	0.50	U	20	U	0.50	U	13	U	0.50	U
Acetone	5.0	UJ	200	UJ	5.0	UJ	130	UJ	5.0	UJ
Carbon Disulfide	0.50	U	20	U	0.50	U	13	U	0.50	U
Methyl Acetate	0.50	UJ	20	UJ	0.50	UJ	13	UJ	0.88	UJ
Methylene Chloride	0.50	U	20	UJ	0.50	U	13	UJ	0.69	U
trans-1,2-Dichloroethene	0.13		20	U	0.38		13	U	0.18	
Methyl tert-Butyl Ether	0.50	U	20	U	0.50	U	13	U	0.50	UJ
2,2-Dichloropropane	0.10		0.10		0.08		0.77		0.20	
cis-1,2-Dichloroethene	330	J	320		230	J	190		1100	
2-Butanone	5.0	UJ	200	UJ	5.0	UJ	130	UJ	5.0	UJ
Bromochloromethane	0.50	U	20	U	0.50	U	13	U	0.50	U
Chloroform	0.11		20	U	0.67		13	U	0.19	
1,1,1-Trichloroethane	140	J	120		130	J	97		430	
Cyclohexane	0.50	UJ	20	UJ	0.50	UJ	13	UJ	0.50	UJ
Carbon Tetrachloride	0.50	U	20	U	0.50	U	13	U	0.50	U
Benzene	0.50	UJ	20	UJ	0.50	UJ	13	UJ	0.50	UJ
1,2-Dichloroethane	1.8		20	U	0.50	U	13	U	4.7	
Trichloroethene	0.65		61		0.9		21		2.50	
Methylcyclohexane	0.50	UJ	20	U	0.50	UJ	13	U	0.50	U
1,2-Dichloropropane	0.50	UJ	20	UJ	0.50	UJ	13	UJ	0.50	UJ
Bromodichloromethane	0.50	U	20	U	0.50	U	13	U	0.50	U
cis-1,3-Dichloropropene	0.50	UJ	20	UJ	0.50	UJ	13	UJ	0.50	UJ
4-Methyl-2-pentanone	5.0	U	200	U	5.0	U	130	U	5.0	U
Toluene	0.50	UJ	20	UJ	0.50	UJ	13	UJ	0.50	UJ
trans-1,3-Dichloropropene	0.50	U	20	UJ	0.50	UJ	13	U	0.50	U
1,1,2-Trichloroethane	0.78		20	UJ	0.20	UJ	13	UJ	0.6	

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	E2D63		E2D63DL		E2D64		E2D64DL		E2D65	
Sampling Location :	A7-MW-102C		A7-MW-102C		A7-MW-103D		A7-MW-103D		A7-MW-133B	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/12/2004		10/12/2004		10/12/2004		10/12/2004		10/12/2004	
Time Sampled :	15:50		15:50		10:28		10:28		09:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		40.0		1.0		25.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2-Hexanone	5.0	U	200	U	5.0	U	130	U	5.0	U
Dibromochloromethane	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2-Dibromoethane	0.50	U	20	U	0.50	U	13	U	0.50	U
Chlorobenzene	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ethylbenzene	0.50	U	20	U	0.50	U	13	U	0.50	U
Xylenes, total	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Styrene	0.50	U	20	U	0.50	U	13	U	0.50	U
Bromoform	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Isopropylbenzene	0.50	U	20	U	0.50	U	13	U	0.50	U
1,1,2,2-Tetrachloroethane	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,3-Dichlorobenzene	0.50	R	20	R	0.50	R	13	U	0.50	U
1,4-Dichlorobenzene	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2-Dichlorobenzene	0.50	R	20	R	0.50	R	13	U	0.50	U
1,2-Dibromo-3-chloropropane	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2,4-Trichlorobenzene	0.50	R	20	R	0.50	R	13	U	0.50	U
1,2,3-Trichlorobenzene	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	E2D65DL		E2D66		E2D66DL		E2D67		E2D67DL	
Sampling Location :	A7-MW-133B		A7-MW-103B		A7-MW-103B		A7-MW-103C		A7-MW-103C	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/12/2004		10/12/2004		10/12/2004		10/12/2004		10/12/2004	
Time Sampled :	09:00		11:25		11:25		14:25		14:25	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	100.0		1.0		50.0		1.0		50.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	50	UJ	0.50	UJ	25	UJ	0.50	UJ	25	UJ
Chloromethane	50	U	0.50	UJ	25	U	0.50	UJ	25	U
Vinyl Chloride	50	U	0.50	UJ	25	U	0.50	UJ	25	U
Bromomethane	50	U	0.50	UJ	25	U	0.50	UJ	25	U
Chloroethane	50	U	0.50	UJ	25	U	0.50	UJ	25	U
Trichlorofluoromethane	50	U	3.8		25	U	4.1		25	U
Trichloroethene	260	UJ	170	J	300		190	J	280	
1,1,2-Trichloro-1,2,2-trifluor	50	U	0.50	U	25	U	0.50	U	25	U
Acetone	500	UJ	5.0	UJ	250	UJ	5.0	UJ	250	UJ
Carbon Disulfide	50	U	0.50	UJ	25	U	0.50	UJ	25	U
Methyl Acetate	50	U	0.58	UJ	25	UJ	0.58	UJ	25	UJ
Methylene Chloride	50	UJ	0.59	U	25	UJ	0.58	U	25	UJ
trans-1,2-Dichloroethene	50	U	0.50		25	U	0.50		25	U
Methyl tert-Butyl Ether	50	U	0.50	UJ	25	U	0.50	UJ	25	U
1,1-Dichloroethane	260		120		130		120		140	
cis-1,2-Dichloroethene	1700	J	550	J	520		630	J	640	
2-Butanone	500	UJ	5.0	UJ	250	UJ	5.0	UJ	250	UJ
Bromochloromethane	50	U	0.50	U	25	U	0.50	U	25	U
Chloroform	50	U	0.61		25	U	0.74		120	
1,1,1-Trichloroethane	850	J	420	J	770		430	J	950	
Cyclohexane	50	U	0.50	U	25	U	0.50	U	25	U
Carbon Tetrachloride	50	U	0.93		25	U	1.8		25	U
Benzene	50	U	0.50	U	25	U	0.50	U	25	U
1,2-Dichloroethane	50	U	3.7		25	U	4.3		25	U
Trichloroethene	200		210		260		380		340	
Methylcyclohexane	50	U	0.50	U	25	U	0.50	U	25	U
1,2-Dichloropropane	50	U	0.50	U	25	U	0.50	U	25	U
Bromodichloromethane	50	U	0.50	U	25	U	0.50	U	25	U
cis-1,3-Dichloropropene	50	U	0.50	U	25	U	0.50	U	25	U
4-Methyl-2-pentanone	500	U	5.0	U	250	U	5.0	U	250	U
Toluene	50	U	0.50	U	25	U	0.50	U	25	U
trans-1,3-Dichloropropene	50	U	0.50	U	25	UJ	0.50	U	25	U
1,1,2-Trichloroethane	50	U	0.47	J	25	U	0.56	J	25	U

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	E2D65DL		E2D66		E2D66DL		E2D67		E2D67DL	
Sampling Location :	A7-MW-133B		A7-MW-103B		A7-MW-103B		A7-MW-103C		A7-MW-103C	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/12/2004		10/12/2004		10/12/2004		10/12/2004		10/12/2004	
Time Sampled :	09:00		11:25		11:25		14:25		14:25	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	100.0		1.0		50.0		1.0		50.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene	100	U	0.50	U	50	U	0.50	U	100	U
2-Hexanone	500	U	5.0	U	250	U	5.0	U	250	U
Dibromochloromethane	50	U	0.50	U	25	U	0.50	U	25	U
1,2-Dibromoethane	50	U	0.50	U	25	U	0.50	U	25	U
Chlorobenzene	50	U	0.50	U	25	U	0.50	U	25	U
Ethylbenzene	50	U	0.50	U	25	UJ	0.50	U	25	U
Xylenes (total)	50	U	0.50	U	25	UJ	0.50	U	25	U
Styrene	50	U	0.50	U	25	UJ	0.50	U	25	U
Bromoform	50	R	0.50	U	25	R	0.50	U	25	R
Isopropylbenzene	50	U	0.50	U	25	UJ	0.50	U	25	U
1,1,2,2-Tetrachloroethane	50	U	0.50	U	25	U	0.50	U	25	U
1,3-Dichlorobenzene	50	R	0.50	U	25	R	0.50	U	25	R
1,4-Dichlorobenzene	50	R	0.50	U	25	R	0.50	U	25	R
1,2-Dichlorobenzene	50	R	0.50	U	25	R	0.50	U	25	R
1,2-Dibromo-3-chloropropa	50	R	0.50	U	25	R	0.50	U	25	R
1,2,4-Trichlorobenzene	50	R	0.50	U	25	R	0.50	U	25	R
1,2,3-Trichlorobenzene	50	R	0.50	U	25	R	0.50	U	25	R

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	E2D68		E2D68DL		E2D69		E2D69DL		E2D70	
Sampling Location :	A7-MW-134B		A7-MW-134B		A7-MW-102C(D)		A7-MW-102C(D)		A7-MW-103D(D)	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/11/2004		10/11/2004		10/12/2004		10/12/2004		10/12/2004	
Time Sampled :	16:33		16:33		15:53		15:53		10:28	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		10.0		1.0		40.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.50	U	5.0	U	0.50	UJ	20	U	0.50	UJ
Chloromethane	0.50	U	5.0	U	0.50	UJ	20	U	0.50	U
Vinyl Chloride	0.50	U	5.0	U	0.46	J	20	U	0.50	U
Bromomethane	0.50	U	5.0	U	0.50	UJ	20	U	0.50	U
Chloroethane	0.50	U	5.0	U	0.50	UJ	20	U	0.50	U
Trichlorofluoromethane	0.50	U	5.0	U	0.42	J	20	U	0.50	U
1,1-Dichloroethene	0.44	J	5.0	U	0.45	J	20	U	0.10	J
1,1,2-Trichloro-1,2,2-trifluor	0.50	U	5.0	U	0.50	U	20	U	0.50	U
Acetone	5.0	UJ	50	U	5.0	UJ	200	U	5.0	UJ
Carbon Disulfide	0.50	U	5.0	U	0.50	UJ	20	U	0.50	U
Methyl Acetate	0.50	UJ	5.0	U	0.66	UJ	20	U	0.68	UJ
Methylene Chloride	0.50	U	5.0	UJ	0.54	U	20	UJ	0.56	U
trans-1,2-Dichloroethene	3.1		4.6		7.5		20	U	4.3	
Methyl tert-Butyl Ether	0.50	U	5.0	U	0.50	UJ	20	U	0.50	UJ
1,1-Dichloroethane	0.10	J	0.10	J	0.10	J	0.70	J	0.05	J
cis-1,2-Dichloroethene	130		120		360	J	320		230	J
2-Butanone	5.0	U	50	U	5.0	UJ	200	U	5.0	UJ
Bromochloromethane	0.50	U	5.0	U	0.50	U	20	U	0.50	U
Chloroform	0.08	J	5.0	U	0.12	J	20	U	0.04	J
1,1,1-Trichloroethane	37		33		130	J	120		100	J
Cyclohexane	0.50	U	5.0	U	0.50	U	20	U	0.50	U
Carbon Tetrachloride	0.50	U	5.0	U	0.50	U	20	U	0.50	U
Benzene	0.50	U	5.0	U	0.50	U	20	U	0.50	U
1,2-Dichloroethane	0.50	U	5.0	U	2.0		20	U	0.50	U
Trichloroethene	3.4		5.5		86	J	86		29	J
Methylcyclohexane	0.50	UJ	5.0	U	0.50	U	20	U	0.50	U
1,2-Dichloropropane	0.50	U	5.0	U	0.50	U	20	U	0.50	U
Bromodichloromethane	0.50	U	5.0	U	0.50	U	20	U	0.50	U
cis-1,3-Dichloropropene	0.50	U	5.0	U	0.50	U	20	U	0.50	U
4-Methyl-2-pentanone	5.0	U	50	U	5.0	U	200	U	5.0	U
Toluene	0.50	U	5.0	U	0.50	U	20	U	0.50	U
trans-1,3-Dichloropropene	0.50	U	5.0	U	0.50	U	20	U	0.50	U
1,1,2-Trichloroethane	0.50	U	5.0	U	0.50	U	20	U	0.50	U

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	E2D68		E2D68DL		E2D69		E2D69DL		E2D70	
Sampling Location :	A7-MW-134B		A7-MW-134B		A7-MW-102C(D)		A7-MW-102C(D)		A7-MW-103D(D)	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/11/2004		10/11/2004		10/12/2004		10/12/2004		10/12/2004	
Time Sampled :	16:33		16:33		15:53		15:53		10:28	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		10.0		1.0		40.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2-Hexanone	5.0	U	50	U	5.0	U	200	U	5.0	U
Dibromochloromethane	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2-Dibromoethane	0.50	U	5.0	U	0.50	U	20	U	0.50	U
Chlorobenzene	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ethylbenzene	0.50	U	5.0	U	0.50	U	20	U	0.50	U
Xylenes, total	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Styrene	0.50	U	5.0	U	0.50	U	20	U	0.50	U
Bromoform	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Isopropylbenzene	0.50	U	5.0	U	0.50	U	20	U	0.50	U
1,1,2,2-Tetrachloroethane	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,3-Dichlorobenzene	0.50	U	5.0	U	0.50	U	20	R	0.50	U
1,4-Dichlorobenzene	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2-Dichlorobenzene	0.50	U	5.0	U	0.50	U	20	R	0.50	U
1,2-Dibromo-3-chloropropane	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2,4-Trichlorobenzene	0.50	U	5.0	U	0.50	U	20	R	0.50	U
1,2,3-Trichlorobenzene	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	E2D70DL		E2D71		E2D72		E2D72DL		E2D73	
Sampling Location :	A7-MW-103D(D)		A7-MW-134C		A7-MW-133C		A7-MW-133C		A7-MW-106B(R)	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/12/2004		10/12/2004		10/12/2004		10/12/2004		10/11/2004	
Time Sampled :	10.28		09:00		11:40		11:40		16:20	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	25.0		1.0		1.0		20.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	13	U	0.50	U	0.50	U	10	UJ	0.50	U
Chloromethane	13	U	0.50	U	0.50	U	10	UJ	0.50	U
Vinyl Chloride	13	U	0.50	U	0.50	U	10	UJ	0.50	U
Bromomethane	13	U	0.50	U	0.50	U	10	UJ	0.50	U
Chloroethane	13	U	0.50	U	0.50	U	10	UJ	0.50	U
Trichlorofluoromethane	13	U	0.50	U	1.4		10	U	0.50	U
1,1-Dichloroethene	13	U	0.28	J	0.58	J	10	U	0.50	U
1,1,2-Trichloro-1,2,2-trifluor	13	U	0.50	U	0.50	U	10	U	0.50	U
Acetone	130	U	5.0	U	5.0	UJ	100	U	5.0	U
Carbon Disulfide	13	U	0.50	U	0.50	U	10	UJ	0.50	U
Methyl Acetate	13	U	0.50	U	0.68	UJ	10	U	0.50	U
Methylene Chloride	13	UJ	0.50	UJ	0.62	U	10	UJ	0.50	UJ
trans-1,2-Dichloroethene	13	U	0.50	U	1.1		10	U	0.50	U
Methyl tert-Butyl Ether	13	U	0.50	U	0.50	UJ	10	U	0.50	U
1,1-Dichloroethane	92		1.9		55		58		0.50	U
cis-1,2-Dichloroethene	210	J	10		140	J	120		0.50	U
2-Butanone	130	U	5.0	U	5.0	U	100	U	5.0	U
Bromochloromethane	13	U	0.50	U	0.50	U	10	U	0.50	U
Chloroform	13	U	0.50	U	6.7		17		0.50	U
1,1,1-Trichloroethane	110	J	11		200	J	200		0.50	U
Cyclohexane	13	U	0.50	U	0.50	U	10	U	0.50	U
Carbon Tetrachloride	13	U	0.50	U	0.60		10	U	0.50	U
Benzene	13	U	0.50	U	0.50	U	10	U	0.50	U
1,2-Dichloroethane	13	U	4.1		1.9		10	U	0.50	U
Trichloroethene	23	J	4.5		130	J	100	J	0.50	U
Methylcyclohexane	13	U	0.50	U	0.50	U	10	U	0.50	U
1,2-Dichloropropane	13	U	0.50	U	0.50	U	10	U	0.50	U
Bromodichloromethane	13	U	0.50	U	0.50	U	10	U	0.50	U
cis-1,3-Dichloropropene	13	U	0.50	U	0.50	U	10	U	0.50	U
4-Methyl-2-pentanone	130	U	5.0	U	5.0	U	100	U	5.0	U
Toluene	13	U	0.50	U	0.50	U	10	UJ	0.50	U
trans-1,3-Dichloropropene	13	U	0.50	U	0.50	U	10	UJ	0.50	U
1,1,2-Trichloroethane	13	U	0.50	U	0.50	U	10	U	0.50	U

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	E2D70DL		E2D71		E2D72		E2D72DL		E2D73	
Sampling Location :	A7-MW-103D(D)		A7-MW-134C		A7-MW-133C		A7-MW-133C		A7-MW-106B(R)	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/12/2004		10/12/2004		10/12/2004		10/12/2004		10/11/2004	
Time Sampled :	10:28		09:00		11:40		11:40		16:20	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor .	25.0		1.0		1.0		20.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Methylcyclohexane	13	U	0.50	U	0.50	U	10	UJ	0.50	U
2-Hexanone	130	U	5.0	U	5.0	U	100	U	5.0	U
Dibromochloromethane	13	U	0.50	U	0.50	U	10	U	0.50	U
1,2-Dibromoethane	13	U	0.50	U	0.50	U	10	U	0.50	U
Chlorobenzene	13	U	0.50	U	0.50	U	10	UJ	0.50	U
Ethylbenzene	13	U	0.50	U	0.50	U	10	UJ	0.50	U
Xylenes (total)	13	U	0.50	U	0.50	U	10	UJ	0.50	U
Styrene	13	U	0.50	U	0.50	U	10	UJ	0.50	U
Bromoform	13	U	0.50	U	0.50	U	10	R	0.50	U
Isopropylbenzene	13	U	0.50	U	0.50	U	10	UJ	0.50	U
1,1,2,2-Tetrachloroethane	13	U	0.50	U	0.50	U	10	UJ	0.50	U
1,3-Dichlorobenzene	13	U	0.50	U	0.50	U	10	R	0.50	U
1,4-Dichlorobenzene	13	U	0.50	U	0.50	U	10	R	0.50	U
1,2-Dichlorobenzene	13	U	0.50	U	0.50	U	10	R	0.50	U
1,2-Dibromo-3-chloropropa	13	U	0.50	U	0.50	U	10	R	0.50	U
1,2,4-Trichlorobenzene	13	U	0.50	U	0.50	U	10	R	0.50	U
1,2,3-Trichlorobenzene	13	U	0.50	U	0.50	U	10	R	0.50	U

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	E2D74		E2D74DL		E2D74MS		E2D74MSD		E2D77	
Sampling Location :	A7-MW-103A		A7-MW-103A		A7-MW-103A		A7-MW-103A		A7-MW-102A	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/12/2004		10/12/2004		10/12/2004		10/12/2004		10/12/2004	
Time Sampled :	15:16		15:16		15:16		15:16		17:04	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		50.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.50	U	25	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Chloromethane	0.50	U	25	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Vinyl Chloride	0.50	U	25	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Bromomethane	0.50	U	25	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Chloroethane	0.50	U	25	UJ	0.50	UJ	0.50	UJ	0.42	J
Trichlorofluoromethane	0.71		25	U	0.72		0.59		0.50	U
1,1-Dichloroethene	0.24	J	33		28	J	25		0.50	U
1,1,2-Trichloro-1,2,2-trifluor	0.50	U	25	U	0.50	U	0.50	U	0.50	U
Acetone	6.5	R	250	U	5.0	R	5.0	R	5.0	UJ
Carbon Disulfide	0.50	U	25	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Methyl Acetate	0.50	UJ	25	U	0.88	UJ	0.88	UJ	0.88	UJ
Methylene Chloride	0.61	U	25	UJ	0.54	U	0.65	U	0.50	U
trans-1,2-Dichloroethene	2.5		25	U	1.9		1.7		0.5	
Methyl tert-Butyl Ether	0.50	UJ	25	U	0.50	UJ	0.50	UJ	0.50	UJ
2,2-Dichloroethane	0.60	J	61		0.58	J	0.58	J	0.96	J
cis-1,2-Dichloroethene	610	J	530		600	J	560	J	180	J
2-Butanone	5.0	R	250	U	5.0	R	5.0	R	5.0	UJ
Bromochloromethane	0.50	U	25	U	0.50	U	0.50	U	0.50	U
Chloroform	1.4		25	U	1.5		1.4		0.50	U
1,1,1-Trichloroethane	190	J	190		180	J	160	J	100	J
Cyclohexane	0.50	U	25	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.50	U	25	U	0.50	U	0.50	U	0.50	U
Benzene	0.50	U	25	U	0.5		0.6		0.50	U
1,2-Dichloroethane	1.4		25	U	1.4		1.6		0.50	U
Trichloroethene	0.59	J	30	U	0.42	J	0.39	J	0.23	J
Methylcyclohexane	0.50	U	25	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	U	25	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.50	U	25	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	U	25	UJ	0.50	UJ	0.50	U	0.50	U
4-Methyl-2-pentanone	5.0	U	250	U	5.0	U	5.0	U	5.0	U
Toluene	0.50	U	25	UJ	0.5		0.8		0.50	U
trans-1,3-Dichloropropene	0.50	U	25	UJ	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.94		25	UJ	0.75		0.74		0.50	U

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number .	E2D74		E2D74DL		E2D74MS		E2D74MSD		E2D77	
Sampling Location :	A7-MW-103A		A7-MW-103A		A7-MW-103A		A7-MW-103A		A7-MW-102A	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/12/2004		10/12/2004		10/12/2004		10/12/2004		10/12/2004	
Time Sampled :	15:16		15:16		15:16		15:16		17:04	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor .	1.0		50.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene	0.27	U	22	UJ	0.27	UJ	0.24	UJ	0.50	U
2-Hexanone	5.0	U	250	U	5.0	U	5.0	U	5.0	U
Dibromochloromethane	0.50	U	25	UJ	0.50	UJ	0.50	UJ	0.50	U
1,2-Dibromoethane	0.50	U	25	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	25	UJ	0.50	U	0.50	U	0.50	U
Ethylbenzene	0.50	U	25	UJ	0.50	U	0.50	U	0.50	U
Xylenes(total)	0.50	U	25	UJ	0.50	U	0.50	U	0.50	U
Styrene	0.50	U	25	UJ	0.50	U	0.50	U	0.50	U
Bromoform	0.50	U	25	UJ	0.50	U	0.50	U	0.50	U
Isopropylbenzene	0.50	U	25	UJ	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U	25	UJ	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	25	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	U	25	UJ	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.50	U	25	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U	25	UJ	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.50	U	25	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	U	25	U	0.50	U	0.50	U	0.50	U

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	E2D77DL		E2D78		E2D78DL		E2D79		E2D79RE	
Sampling Location :	A7-MW-102A		A7-MW-106A		A7-MW-106A		A7-MW-106A(R)		A7-MW-106A(R)	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/12/2004		10/12/2004		10/12/2004		10/12/2004		10/12/2004	
Time Sampled .	17:04		16:35		16:35		17:15		17:15	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor	10.0		1.0		100.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	5.0	U	0.50	UJ	50	U	0.50	UJ	0.50	UJ
Chloromethane	5.0	U	0.50	UJ	50	UJ	0.50	UJ	0.50	UJ
Vinyl Chloride	5.0	U	0.71		50	U	0.50	UJ	0.50	UJ
Bromomethane	5.0	U	0.50	UJ	50	UJ	0.50	UJ	0.50	UJ
Chloroethane	5.0	U	1.2		50	U	0.50	UJ	0.50	UJ
Trichlorofluoromethane	5.0	U	1.2		50	U	0.50	U	0.50	U
1,1-Dichloroethene	0.79		2.8		50		0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-trifluor	5.0	U	0.50	U	50	U	0.50	U	0.50	U
Acetone	50	U	5.0	R	500	U	5.0	UJ	5.0	UJ
Carbon Disulfide	5.0	U	0.50	UJ	50	UJ	0.50	UJ	0.50	UJ
Methyl Acetate	5.0	U	0.58		50	U	0.50	UJ	0.50	UJ
Methylene Chloride	5.5	UJ	0.79	U	50	UJ	0.50	U	0.50	UJ
trans-1,2-Dichloroethene	2.4		0.11		50	U	0.50	U	0.50	U
Methyl tert-Butyl Ether	5.0	U	0.41	J	50	U	0.50	UJ	0.50	U
1,1-Dichloroethane	93		110	J	100		0.50	U	0.50	U
cis-1,2-Dichloroethene	140		920	J	1100		3.2	J	2.3	
2-Butanone	50	U	5.0	U	500	U	5.0	UJ	5.0	UJ
Bromochloromethane	5.0	U	0.50	U	50	U	0.50	U	0.50	U
Chloroform	5.0	U	0.60		50	U	0.50	U	0.50	U
1,1,1-Trichloroethane	100		300	J	570		0.85	J	0.97	
Cyclohexane	5.0	U	0.50	U	50	U	0.50	U	0.50	UJ
Carbon Tetrachloride	5.0	U	0.50	U	50	U	0.50	U	0.50	U
Benzene	5.0	U	0.33		50	U	0.50	U	0.50	U
1,2-Dichloroethane	5.0	U	4.6		50	U	0.50	U	0.50	U
Trichloroethene	18		1.1	J	50	U	0.11	J	0.11	J
Methylcyclohexane	5.0	U	0.87		50	U	0.50	U	0.50	UJ
1,2-Dichloropropane	5.0	U	0.50	U	50	U	0.50	U	0.50	U
Bromodichloromethane	5.0	U	0.50	U	50	U	0.50	U	0.50	UJ
cis-1,3-Dichloropropene	5.0	U	0.50	U	50	U	0.50	U	0.50	UJ
4-Methyl-2-pentanone	50	U	5.0	U	500	U	5.0	U	5.0	U
Toluene	5.0	U	0.51		50	UJ	0.39	J	0.38	J
trans-1,3-Dichloropropene	5.0	U	0.50	U	50	U	0.50	U	0.50	UJ
1,1,2-Trichloroethane	5.0	U	0.22		50	U	0.50	U	0.50	UJ

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	E2D77DL		E2D78		E2D78DL		E2D79		E2D79RE	
Sampling Location :	A7-MW-102A		A7-MW-106A		A7-MW-106A		A7-MW-106A(R)		A7-MW-106A(R)	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/12/2004		10/12/2004		10/12/2004		10/12/2004		10/12/2004	
Time Sampled :	17:04		16:35		16:35		17:15		17:15	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	10.0		1.0		100.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene	5.0	U	0.50	U	50	U	0.50	U	0.50	U
2-Hexanone	50	U	5.0	U	500	U	5.0	U	5.0	U
Dibromochloromethane	5.0	U	0.50	U	50	U	0.50	U	0.50	U
1,2-Dibromoethane	5.0	U	0.50	U	50	U	0.50	U	0.50	U
Chlorobenzene	5.0	U	0.50	U	50	U	0.50	U	0.50	U
Ethylbenzene	5.0	U	1.3		50	UJ	0.50	U	0.50	UJ
Xylenes (total)	5.0	U	0.50	U	50	UJ	0.50	U	0.50	UJ
Styrene	5.0	U	0.50	U	50	UJ	0.50	U	0.50	UJ
Bromoform	5.0	U	0.50	U	50	U	0.50	U	0.50	U
Isopropylbenzene	5.0	U	1.3		50	UJ	0.50	U	0.50	UJ
1,1,2,2-Tetrachloroethane	5.0	U	0.50	U	50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	5.0	U	0.50	U	50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	5.0	U	0.50	U	50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	5.0	U	1.4		50	U	0.50	U	0.50	U
1,3-Dichloro-2-chloropropane	5.0	U	0.50	U	50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	5.0	U	0.50	U	50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	5.0	U	0.50	U	50	U	0.50	U	0.50	U

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer
Date :

Sample Number :	E2D80		VBLKFG		VBLKFH		VBLKFO		VBLKF2	
Sampling Location :	A7-MW-TB1									
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/12/2004									
Time Sampled .	18:00									
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl Chloride	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
Trichlorofluoromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-trifluor	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	5.0	UJ	5.0	U	5.0	U	5.0	U	5.0	U
Carbon Disulfide	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	0.50	UJ	0.35	J	0.30	J	0.29	J	0.43	J
trans-1,2-Dichloroethene	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
Methyl tert-Butyl Ether	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
2-Butanone	5.0	UJ	5.0	U	5.0	U	5.0	U	5.0	U
Bromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
1,1,1-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Benzene	0.23	J	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Toluene	0.93	J	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	E2D80		VBLKFG		VBLKFH		VBLKFO		VBLKF2	
Sampling Location :	A7-MW-TB1									
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/12/2004									
Time Sampled :	18:00									
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
2-Hexanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Dibromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Ethylbenzene	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
Xylenes (total)	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	0.50	UJ	0.50	U	0.50	UJ	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	UJ	0.50	U	0.50	U	0.50	U	0.50	U

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	VBLKF3		VBLKF5		VHBLKF3					
Sampling Location :										
Matrix :	Water		Water		Water					
Units :	ug/L		ug/L		ug/L					
Date Sampled :										
Time Sampled :										
%Moisture .	N/A		N/A		N/A					
pH :										
Dilution Factor :	1.0		1.0		1.0					
Volatile Compound	**Result**	**Flag**	**Result**	**Flag**	**Result**	**Flag**	**Result**	**Flag**	**Result**	**Flag**
Dichlorodifluoromethane	0.50	UJ	0.50	U	0.50	UJ				
Chloromethane	0.50	U	0.50	U	0.50	U				
Vinyl chloride	0.50	UJ	0.50	U	0.50	UJ				
Bromomethane	0.50	U	0.50	U	0.50	U				
Chloroethane	0.50	UJ	0.50	U	0.50	UJ				
Trichlorofluoromethane	0.50	U	0.50	U	0.50	U				
1,1-Dichloroethene	0.50	UJ	0.50	U	0.50	UJ				
1,1,2-Trichloro-1,2,2-trifluor	0.50	U	0.50	U	0.50	U				
Acetone	5.0	UJ	5.0	U	5.0	UJ				
Carbon Disulfide	0.50	U	0.50	U	0.50	U				
Methyl Acetate	0.50	UJ	0.88		0.88	UJ				
Methylene Chloride	0.26	J	0.58		0.88	UJ				
trans-1,2-Dichloroethene	0.50	UJ	0.50	U	0.50	UJ				
Methyl tert-Butyl Ether	0.50	U	0.50	UJ	0.50	U				
1,1-Dichloroethane	0.50	UJ	0.50	U	0.50	UJ				
cis-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U				
2-Butanone	5.0	UJ	5.0	U	5.0	UJ				
Bromochloromethane	0.50	U	0.50	U	0.50	U				
Chloroform	0.50	UJ	0.50	U	0.50	UJ				
1,1,1-Trichloroethane	0.50	U	0.50	U	0.50	U				
Cyclohexane	0.50	UJ	0.50	U	0.50	UJ				
Carbon Tetrachloride	0.50	U	0.50	U	0.50	U				
Benzene	0.50	UJ	0.50	U	0.50	UJ				
1,2-Dichloroethane	0.50	U	0.50	U	0.50	U				
Trichloroethene	0.50	UJ	0.50	U	0.50	UJ				
Methylcyclohexane	0.50	U	0.50	U	0.50	U				
1,2-Dichloropropane	0.50	UJ	0.50	U	0.50	UJ				
Bromodichloromethane	0.50	U	0.50	U	0.50	U				
cis-1,3-Dichloropropene	0.50	UJ	0.50	U	0.50	UJ				
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U				
Toluene	0.50	UJ	0.50	U	0.50	UJ				
trans-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U				
1,1,2-Trichloroethane	0.50	UJ	0.50	U	0.50	UJ				

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D61
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	VBLKF3		VBLKF5		VHBLKF3					
Sampling Location :										
Matrix :	Water		Water		Water					
Units :	ug/L		ug/L		ug/L					
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A		N/A					
pH :										
Dilution Factor :	1.0		1.0		1.0					
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene	0.50	U	0.50	U	0.50	U				
2-Hexanone	5.0	U	5.0	U	5.0	U				
Dibromochloromethane	0.50	U	0.50	U	0.50	U				
1,2-Dibromoethane	0.50	U	0.50	U	0.50	U				
Chlorobenzene	0.50	U	0.50	U	0.50	U				
Ethylbenzene	0.50	U	0.50	U	0.50	U				
Xylenes (total)	0.50	U	0.50	U	0.50	U				
Styrene	0.50	U	0.50	U	0.50	U				
Bromoform	0.50	U	0.50	U	0.50	U				
Isopropylbenzene	0.50	U	0.50	U	0.50	U				
1,1,2,2-Tetrachloroethane	0.50	U	0.50	U	0.50	U				
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U				
1,4-Dichlorobenzene	0.50	U	0.50	U	0.50	U				
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U				
1,2-Dibromo-3-chloropropane	0.50	U	0.50	U	0.50	U				
1,2,4-Trichlorobenzene	0.50	U	0.50	U	0.50	U				
1,2,3-Trichlorobenzene	0.50	U	0.50	U	0.50	U				

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on October 29, 2004

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: CDM

We have reviewed the data for the following case:

SITE NAME: Southeast Rockford Groundwater Contamination (IL)

CASE NUMBER: 33432 SDG NUMBER: E2D75

Number and Type of Samples: 4 (waters)

Sample Numbers: E2D75, E2D76, E2D81, E2D82

Laboratory: Envirosystems Hrs. for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Case Number : 33432 **SDG Number: E2D75**
Site Name: Southeast Rockford Groundwater (IL) **Laboratory: Envirosystems**

Four (4) water samples, numbered E2D75, E2D76, E2D81 and E2D82, were collected on October 13th, 2004. The lab received the samples on October 14th, 2004 in good condition. All samples were analyzed for only the volatile list of organic analytes. All were analyzed according to CLP SOW *OLC03.2*.

Reviewed By: Richard Baltrus/ Alion Science Tech.
Date: November 15, 2004

se Number : 33432 SDG Number: E2D75
.te Name: Southeast Rockford Groundwater (IL) Laboratory: Envirosystems

1. HOLDING TIME

No defects found.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No defects found.

3. CALIBRATION

The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

Methylene Chloride
E2D75, VBLKFO

The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

cis-1,2-Dichloroethene
E2D75DL, E2D75MS, E2D75MSD, E2D76, E2D81RE, E2D82, VBLKF6, VBLKFQ, VBLKFT, VHBLKFT

Bromochloromethane
E2D75MS, E2D75MSD, E2D81RE, VBLKF6

Carbon Tetrachloride, 1,2-Dibromo-3-chloropropane
VBLKFT, VHBLKFT

The following volatile samples are associated with an initial calibration in which a SMC/DMC did not meet relative response factor (RRF) criteria. No action is taken on the DMC %RSD and RRF data alone.

Trans-1,3-Dichloropropene-d4
E2D75, E2D75DL, E2D75MS, E2D75MSD, E2D76, E2D81, E2D81RE, E2D82, VBLKF6, VBLKFO, VBLKFQ, VBLKFR, VBLKFT, VHBLKFT

The following volatile samples are associated with a continuing calibration in which a SMC/DMC exceeded percent difference (%D) criteria. No action is taken on the DMC %D for the RRF data alone.

Toluene-d8

se Number : 33432 SDG Number: E2D75
.te Name: Southeast Rockford Groundwater (IL) Laboratory: Envirosystems

E2D75, VBLKFO

The following volatile samples are associated with a continuing calibration in which a SMC/DMC did not meet relative response factor (RRF) criteria. No action is taken on the DMC %D for the RRF data alone.

Trans-1,3-Dichloropropene-d4
E2D75, E2D75DL, E2D75MS, E2D75MSD, E2D76, E2D81, E2D81RE, E2D82, VBLKF6, VBLKFO, VBLKFQ, VBLKFR, VBLKFT, VHBLKFT

4. BLANKS

The following volatile samples are associated with a contaminated storage blank. Hits are qualified "J" and non-detects are not flagged.

Methylene Chloride
E2D75

The following volatile samples have analyte concentrations reported below the CRQL. The associated method blank concentration is more than or equal to the concentration criteria. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

Bromoform
E2D76

The following volatile samples have analyte concentrations reported at or above the CRQL and less than the method blank concentration. The associated method blank concentration is more than or equal to the concentration criteria. Blank concentration value is reported as the sample result. Hits are qualified "U or UJ" and non-detects are not flagged.

Bromoform
E2D81, E2D81RE, E2D82

The following volatile samples have analyte concentrations reported at or above the CRQL and more than or equal to the method blank concentration. The associated method blank concentration is more than or equal to the concentration criteria. Hits and non-detects are not flagged unless qualified for another problem.

Bromoform
E2D75DL, E2D75MS, E2D75MSD

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

ıse Number : 33432 SDG Number: E2D75
ıte Name: Southeast Rockford Groundwater (IL) Laboratory: Envirosystems

The following volatile method blank has DMC recovery outside criteria. Positive results are qualified "J" and non-detects are not qualified.

VBLKFT
Cyclohexane, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane

The following volatile samples have DMC recoveries above the upper limit of the criteria window. Hits are qualified "J" and non-detects are not flagged.

E2D75
Vinyl Chloride

The following volatile samples have one or more DMC recovery values below the lower limit of the criteria window. Hits are biased low and qualified "J" and non-detects are qualified "UJ".

E2D75
Dichlorodifluoromethane, Chloromethane, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, Carbon Disulfide, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, Methyl tert-Butyl Ether, 1,1-Dichloroethane, cis-1,2-Dichloroethene, Bromochloromethane, Chloroform, 1,1,1-Trichloroethane, Cyclohexane, Carbon Tetrachloride, Benzene, 1,2-Dichloroethane, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, Dibromochloromethane, 1,2-Dibromoethane, Bromoform

E2D75MS
Cyclohexane, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, Dibromochloromethane, 1,2-Dibromoethane, Bromoform

E2D75MSD
1,1-Dichloroethane, Bromochloromethane, Chloroform, Cyclohexane, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, trans-1,3- Dichloropropene, 1,1,2-Trichloroethane, Dibromochloromethane,1,2-Dibromoethane, Bromoform, 1,1,2,2,-Tetrachloroethane, 1,2-Dibromo-3-chloropropane

E2D76
cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane

E2D81
Trichlorofluoromethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, Methyl Acetate, Methylene Chloride, Methyl tert-Butyl Ether, 1,1-Dichloroethane, Bromochloromethane, Chloroform, 1,1,1-Trichloroethane, Cyclohexane, Carbon Tetrachloride, Benzene, 1,2-Dichloroethane, Trichloroethene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, Ethylbenzene, Xylene (total), Styrene, Isopropylbenzene

Reviewed By: Richard Baltrus/ Alion Science Tech.
Date: November 15, 2004

E2D81RE
Trichlorofluoromethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, Methyl Acetate, Methylene Chloride, Methyl tert-Butyl Ether, 1,1-Dichloroethane, Bromochloromethane, Chloroform, 1,1,1-Trichloroethane, Cyclohexane, Carbon Tetrachloride, Benzene, 1,2-Dichloroethane, Trichloroethene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, Dibromochloromethane, 1,2-Dibromoethane, Ethylbenzene, Xylene (total), Styrene, Bromoform, Isopropylbenzene, 1,1,2,2,-Tetrachloroethane, 1,2-Dibromo-3-chloropropane

E2D82
Dibromochloromethane, 1,2-Dibromoethane, Bromofom

The following volatile sample have DMC recoveries below the expanded lower QC criteria. Positive results are qualified "J" and non-detects are qualified "R".

E2D75
Acetone, 2-Butanone

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No defects found.

7. FIELD BLANK AND FIELD DUPLICATE

Sample E2D81 is a field QC blank. Sample E2D82 is a trip blank. Samples E2D81 and E2D82 are summarized in the following table.

	E2D81	E2D81RE	E2D82
	µg/L	µg/L	µg/L
Chloromethane	0.73		
Trichlorofluoromethane			0.90
Vinyl Chloride	1.4	1.5	
Chloroethane	1.0	0.46 J	
Acetone	7.0	5.8	
1,1-Dichloroethane	0.37 J	0.28 J	
	E2D81	E2D81RE	E2D82

	µg/L	µg/L	µg/L
cis-1,2-Dichloroethene	2.9	2.3	
1,1,1-Trichloroethane	0.62	0.45 J	
Benzene	0.33 J	0.27 J	
Toluene	1.9	1.6	0.28 J
Ethylbenzene	0.51	0.39 J	
Xylene (total)	2.3	2.3	
Bromoform	0.73	0.55	0.73
Volatile TICs	2	2	0

Results are not qualified based upon the results of the field blank or field duplicates.

8. INTERNAL STANDARDS

No defects found.

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E2D75
2-Hexanone, Chlorobenzene, 1,3-Dichlorobenzene

E2D75DL
Toluene, Ethylbenzene

E2D75MS, E2D75MSD
Ethylbenzene
E2D76
Acetone, Methyl tert-Butyl Ether, cis-1,2-Dichloroethene, 1,1,1-Trichloroethane, Trichloroethene, Toluene, Tetrachloroethene

Reviewed By: Richard Baltrus/ Alion Science Tech.
Date: November 15, 2004

E2D81
1,1-Dichloroethane, Benzene

E2D81RE
Chloroethane, 1,1-Dichloroethane, 1,1,1-Trichloroethane, Benzene, Ethylbenzene

E2D82
Toluene

VBLKFO
Methylene Chloride, Bromoform

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance.

12. ADDITIONAL INFORMATION

Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E2D75, E2D75DL, E2D75MS, E2D75MSD, E2D76, E2D81, E2D81RE, E2D82, VBLKF6, VBLKFO, VBLKFQ, VBLKFR, VBLKFT, VHBLKFT

Sample E2D81 was re-analyzed because more than 3 DMCs failed to meet the recovery limits.

The following volatile sample have analytes that exceeded the instruments calibration range. For any analyte that exceeded the calibration range the results from the diluted sample should be considered the final concentration.

E2D75
Vinyl Chloride, Chloroethane, 1,1-Dichloroethene, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, cis-1,2-Dichloroethene, 1,1,1-Trichloroethane, Carbon Tetrachloride, Benzene, 1,2-Dichloroethane, 4-Methyl-2-Pentanone, Toluene, 1,1,2-Trichloroethane, Ethylbenzene, Xylene (total), Styrene, Isopropylbenzene, 1,2-Dichlorobenzene

Reviewed By: Richard Baltrus/ Alion Science Tech.
Date: November 15, 2004

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The anlayte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present)

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Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D75

Sample Type: Spike Original
Lab ID: ENVSYS
Case No.: 33432
SDG No.: E2D75

Location: A7-MW-134A
Matrix/Level: Water/
File Name: E2D75

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
103651	BENZENE, PROPYL-	10.92	19	NJ
	UNKNOWN	11.05	34	J
	UNKNOWN	11.14	29	J
	UNKNOWN	11.32	29	J
	UNKNOWN	11.55	39	J
99876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	11.79	9.3	NJ
611143	BENZENE, 1-ETHYL-2-METHYL-	11.95	30	NJ
55337809	BICYCLO[4.2.0]OCTA-1,3,5-TRIENE, 7-METHY	12.12	19	NJ
135988	BENZENE, (1-METHYLPROPYL)-	12.18	15	NJ
934805	BENZENE, 4-ETHYL-1,2-DIMETHYL-	12.25	18	NJ
1758889	BENZENE, 2-ETHYL-1,4-DIMETHYL-	12.52	13	NJ
874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	12.64	15	NJ
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	13.10	9.5	NJ
99876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	13.53	8.8	NJ

*Q: Laboratory Qualifier

ıte: 10/28/2004 Wincadre 3.1.3.2 Page· 2

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D75DL

Sample Type: Routine Sample
Lab ID: ENVSYS
Case No.: 33432
SDG No.: E2D75

Location: A7-MW-134A
Matrix/Level: Water/
File Name: E2D75

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
108678	BENZENE, 1,3,5-TRIMETHYL-	11.46	1900	NJD

*Q: Laboratory Qualifier

Date. 10/28/2004 Wincadre 3.1.3.2 Page· 3

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

Sample No.: E2D76

Sample Type: Routine Sample
Lab ID: ENVSYS
Case No.: 33432
SDG No.: E2D75

Location: A7-MW-136
Matrix/Level: Water/
File Name: E2D75

;AS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	4.70	0.56	J

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2D81
Sample Type:	Routine Sample		
Lab ID:	ENVSYS	Location:	A7-MW-134A(R)
Case No.:	33432	Matrix/Level:	Water/
SDG No.:	E2D75	File Name:	E2D75

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
611143	BENZENE, 1-ETHYL-2-METHYL-	10.99	0.70	NJ
108678	BENZENE, 1,3,5-TRIMETHYL-	11.46	1.7	NJ

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2D81RE
Sample Type:	Routine Sample		
Lab ID:	ENVSYS	Location:	A7-MW-134A(R)
Case No.:	33432	Matrix/Level:	Water/
SDG No.:	E2D75	File Name:	E2D75

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
611143	BENZENE, 1-ETHYL-2-METHYL-	10.99	0.69	NJ
526738	BENZENE, 1,2,3-TRIMETHYL-	11.46	1.4	NJ

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VBLKF6
Sample Type:	Method Blank		
Lab ID:	ENVSYS	Location:	
Case No.:	33432	Matrix/Level:	Water/
SDG No.:	E2D75	File Name:	E2D75

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	10.94	0.54	J

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VBLKFR
Sample Type:	Method Blank		
Lab ID:	ENVSYS	Location:	
Case No.:	33432	Matrix/Level:	Water/
SDG No.:	E2D75	File Name:	E2D75

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	10.94	0.68	J

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VBLKFT
Sample Type:	Method Blank		
Lab ID:	ENVSYS	Location:	
Case No.:	33432	Matrix/Level:	Water/
SDG No.:	E2D75	File Name:	E2D75

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	10.94	0.53	J

*Q: Laboratory Qualifier

Low Concentration Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VHBLKFT
Sample Type:	Storage Blank		
Lab ID:	ENVSYS	Location:	
Case No.:	33432	Matrix/Level:	Water/
SDG No.:	E2D75	File Name:	E2D75

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*

*Q: Laboratory Qualifier

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D75
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 4

Sample Number :	E2D75		E2D75DL		E2D75MS		E2D75MSD		E2D76	
Sampling Location :	A7-MW-134A		A7-MW-134A		A7-MW-134A		A7-MW-134A		A7-MW-136	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/13/2004		10/13/2004		10/13/2004		10/13/2004		10/13/2004	
Time Sampled :	09:30		09:30		09:30		09:30		10:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		2000.0		2000.0		2000.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.50	UJ	1000	U	1000	U	1000	UJ	0.50	UJ
Chloromethane	1.6	J	1000	U	1000	U	1000	U	0.50	U
Vinyl Chloride	0.60	UJ	7000		10000		7300		0.50	U
Bromomethane	0.50	UJ	1000	U	1000	U	1000	U	0.50	U
Chloroethane	1.5	UJ	7200		8400		7800		0.50	UJ
Trichlorofluoromethane	0.50	UJ	1000	U	1000	U	1000	U	0.50	U
1,1-Dichloroethene	1.8	UJ	1400		7000	U	7000		0.50	UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UJ	1000	U	1000	U	1000	U	0.50	U
Acetone	5	UJ	10000	U	10000	U	10000	U	1.8	UJ
Carbon Disulfide	0.50	UJ	1000	U	1000	U	1000	U	0.50	U
Methyl Acetate	2.8	UJ	1000	U	7000	U	1000	U	0.50	U
Methylene Chloride	38	J	1000	U	1000	U	1000	U	0.50	U
trans-1,2-Dichloroethene	0.50	UJ	1000	U	1100	U	1000	U	0.50	UJ
Methyl tert-Butyl Ether	0.50	UJ	1000	U	1000	U	1000	U	0.30	J
1,1-Dichloroethane	1.0	UJ	6200	J	5100		5800		0.50	UJ
cis-1,2-Dichloroethene	2200	J	17000	J	17000	J	16000	J	0.32	J
2-Butanone	5.0	UJ	10000	U	10000	U	10000	U	0.50	UJ
Bromochloromethane	0.50	UJ	1000	U	1000	UJ	1000	UJ	0.50	U
Chloroform	0.50	UJ	1000	U	1000	U	1000	U	0.50	
1,1,1-Trichloroethane	1200	J	7800		7900		7800		0.30	J
Cyclohexane	0.50	UJ	1000	U	1000	U	1000	UJ	0.50	UJ
Carbon Tetrachloride	440	J	1000	U	1000	U	1000	U	0.50	U
Benzene	0.50	UJ	1000	U	1100	U	1000	U	0.50	UJ
1,2-Dichloroethane	65	J	1000	U	1000	U	1000	U	0.50	U
Trichloroethene	0.50	UJ	1000	U	1500	U	1100	U	0.25	UJ
Methylcyclohexane	9.0	J	1000	U	1000	U	1000	UJ	0.50	U
1,2-Dichloropropane	0.50	UJ	1000	U	1000	U	1000	UJ	0.50	U
Bromodichloromethane	0.50	UJ	1000	U	1000	U	1000	UJ	0.50	U
cis-1,3-Dichloropropene	0.50	UJ	1000	U	1000	U	1000	UJ	0.50	UJ
4-Methyl-2-pentanone	620		10000	U	10000	U	10000	U	5.0	U
Toluene	0.26	UJ	1000	U	1700		1000	U	0.26	UJ
trans-1,3-Dichloropropene	0.50	U	1000	U	1000	U	1000	UJ	0.50	UJ
1,1,2-Trichloroethane	0.50	UJ	1000	U	1000	U	1000	UJ	0.50	UJ

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Analytical Results (Qualified Data)

Page ____ of ____

Case #: 33432 SDG : E2D75
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	E2D75		E2D75DL		E2D75MS		E2D75MSD		E2D76	
Sampling Location :	A7-MW-134A		A7-MW-134A		A7-MW-134A		A7-MW-134A		A7-MW-136	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/13/2004		10/13/2004		10/13/2004		10/13/2004		10/13/2004	
Time Sampled :	09:30		09:30		09:30		09:30		10.00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		2000.0		2000.0		2000.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene	0.49		1000	U	1000	UJ	1000	UJ	0.25	U
2-Hexanone	3.6	J	10000	U	10000	U	10000	U	5.0	U
Dibromochloromethane	0.50	UJ	1000	U	1000	UJ	1000	UJ	0.50	U
1,2-Dibromoethane	0.50	UJ	1000	U	1000	UJ	1000	UJ	0.50	U
Chlorobenzene	0.25		500	U	9200		10000		0.25	U
Ethylbenzene	170		520	J	510	J	590	J	0.50	U
Xylenes (total)	1900		2980		2800		2700		0.50	U
Styrene	30		1000	U	1000	U	1000	U	0.50	U
Bromoform	0.50	UJ	1000	U	1000	UJ	1000	UJ	0.50	UJ
Isopropylbenzene	90		1000	U	1000	U	1000	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	UJ	1000	U	1000	UJ	1000	UJ	0.50	UJ
1,3-Dichlorobenzene	0.28	J	1000	U	1000	U	1000	U	0.50	U
1,4-Dichlorobenzene	0.18	J	1000	U	1000	U	1000	U	0.50	U
1,2-Dichlorobenzene	120		1000	U	1000	U	1000	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	UJ	1000	U	1000	UJ	1000	UJ	0.50	UJ
1,2,4-Trichlorobenzene	0.50	U	1000	U	1000	U	1000	U	0.50	U
Hexachlorobutadiene	0.50	UJ	1000	U	1000	UJ	1000	UJ	0.50	UJ

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D75
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	E2D81		E2D81RE		E2D82		VBLKFO		VBLKFQ	
Sampling Location .	A7-MW-134A(R)		A7-MW-134A(R)		A7-MW-TB2					
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/13/2004		10/13/2004		10/13/2004					
Time Sampled :	10:20		10:20		10:30					
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	[illegible]	U	[illegible]	U	0.50	U	0.50	U	0.50	U
Chloromethane	0.73		0.50	U	0.50	U	0.50	U	0.50	U
Vinyl Chloride	[illegible]		[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
Bromomethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	[illegible]		[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
Trichlorofluoromethane	0.50	UJ	0.50	UJ	0.90		0.50	U	0.50	U
Acrylonitrile	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UJ	0.50	UJ	0.50	U	0.50	U	0.50	U
Acetone	[illegible]		[illegible]		[illegible]	U	[illegible]	U	[illegible]	U
Carbon Disulfide	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
Methylene Chloride	0.50	UJ	0.50	UJ	0.50	U	0.29	J	0.50	U
trans-1,2-Dichloroethene	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
Methyl tert-Butyl Ether	0.50	UJ	0.50	UJ	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
cis-1,2-Dichloroethene	2.9		2.3	J	0.50	UJ	0.50	U	0.50	UJ
2-Butanone	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
Bromochloromethane	0.50	UJ	0.50	UJ	0.50	U	0.50	U	0.50	U
Chloroform	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
1,1,1-Trichloroethane	0.62	J	0.45	J	0.50	U	0.50	U	0.50	U
Cyclohexane	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
Carbon Tetrachloride	0.50	UJ	0.50	UJ	0.50	U	0.50	U	0.50	U
Benzene	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
1,2-Dichloroethane	0.50	UJ	0.50	UJ	0.50	U	0.50	U	0.50	U
Trichloroethene	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
Methylcyclohexane	0.50	UJ	0.50	UJ	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
Bromodichloromethane	0.50	UJ	0.50	UJ	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Toluene	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
trans-1,3-Dichloropropene	0.50	UJ	0.50	UJ	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U

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Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D75
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer :
Date :

Sample Number :	E2D81		E2D81RE		E2D82		VBLKFO		VBLKFQ	
Sampling Location :	A7-MW-134A(R)		A7-MW-134A(R)		A7-MW-TB2					
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/13/2004		10/13/2004		10/13/2004					
Time Sampled :	10:20		10:20		10:30					
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2-Hexanone	5.0	U	5.0	U	5.0	U	5.0	U	5 0	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2-Dibromoethane	0.50	U	0.50	UJ	0.50	UJ	0.50	U	0.50	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ethylbenzene	0.51	J	0 39	J	0.50	U	0.50	U	0.50	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Styrene	0.50	UJ	0.50	UJ	0.50	U	0.50	U	0.50	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Isopropylbenzene	0.50	UJ	0.50	UJ	0.50	U	0.50	U	0.50	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0 50	U	0.50	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2,4-Trichlorobenzene	0.50	U	0 50	U	0 50	U	0.50	U	0.50	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D75
Site : ROCKFORD GROUNDWATER
Lab : ENVSYS
Reviewer :
Date :

Sample Number :	VBLKFR		VBLKFT		VBLKF6		VHBLKFT			
Sampling Location :										
Matrix :	Water		Water		Water		Water			
Units :	ug/L		ug/L		ug/L		ug/L			
Date Sampled :										
Time Sampled .										
%Moisture :	N/A		N/A		N/A		N/A			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.50	U	0.50	U	0.50	U	0.50	U		
Chloromethane	0.50	U	0.50	U	0.50	U	0.50	U		
Vinyl Chloride	0.50	U	0.50	U	0.50	U	0.50	U		
Bromomethane	0.50	U	0.50	U	0.50	U	0.50	U		
Chloroethane	0.50	U	0.50	U	0.50	U	0.50	U		
Trichlorofluoromethane	0.50	U	0.50	U	0.50	U	0.50	U		
1,1-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U		
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	U	0.50	U	0.50	U		
Acetone	5.0	U	5.0	U	5.0	U	5.0	U		
Carbon Disulfide	0.50	U	0.50	U	0.50	U	0.50	U		
Methyl Acetate	0.50	U	0.50	U	0.50	U	0.50	U		
Methylene Chloride	0.50	U	0.50	U	0.50	U	0.67			
trans-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U		
Methyl tert-Butyl Ether	0.50	U	0.50	U	0.50	U	0.50	U		
1,1-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U		
cis-1,2-Dichloroethene	0.50	U	0.50	UJ	0.50	UJ	0.50	UJ		
2-Butanone	5.0	U	5.0	U	5.0	U	5.0	U		
Bromochloromethane	0.50	U	0.50	U	0.50	UJ	0.50	U		
Chloroform	0.50	U	0.50	U	0.50	U	0.50	U		
1,1,1-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U		
Cyclohexane	0.50	U	0.50	U	0.50	U	0.50	U		
Carbon Tetrachloride	0.50	U	0.50	UJ	0.50	U	0.50	UJ		
Benzene	0.50	U	0.50	U	0.50	U	0.50	U		
1,2-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U		
Trichloroethene	0.50	U	0.50	U	0.50	U	0.50	U		
Methylcyclohexane	0.50	U	0.50	U	0.50	U	0.50	U		
1,2-Dichloropropane	0.50	U	0.50	U	0.50	U	0.50	U		
Bromodichloromethane	0.50	U	0.50	U	0.50	U	0.50	U		
cis-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U		
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U	5.0	U		
Toluene	0.50	U	0.50	U	0.50	U	0.50	U		
trans-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U		
1,1,2-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U		

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Analytical Results (Qualified Data)

Case #: 33432 SDG : E2D75
Site : ROCKFORD GROUNDWATER
Lab. : ENVSYS
Reviewer .
Date :

Sample Number :	VBLKFR		VBLKFT		VBLKF6		VHBLKFT			
Sampling Location :										
Matrix :	Water		Water		Water		Water			
Units :	ug/L		ug/L		ug/L		ug/L			
Date Sampled :										
Time Sampled										
%Moisture ·	N/A		N/A		N/A		N/A			
pH :										
Dilution Factor :	1.0		1 0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene	0.50	U	0.50	U	0.50	U	0.50	U		
2-Hexanone	5.0	U	5.0	U	5.0	U	5.0	U		
Dibromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U		
1,2-Dibromoethane	0.50	U	0.50	U	0.50	U	0.50	U		
Chlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U		
Ethylbenzene	0 50	U	0.50	U	0.50	U	0.50	U		
Bromoform	0.50	U	0.50	U	0.50	U	0.50	U		
Styrene	0.50	U	0.50	U	0.50	U	0.50	U		
Bromobenzene	0.50	U	0.50	U	0.50	U	0.50	U		
Isopropylbenzene	0.50	U	0.50	U	0.50	U	0.50	U		
1,1,2,2-Tetrachloroethane	0.50	U	0.50	U	0.50	U	0.50	U		
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U		
1,4-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U		
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U		
1,2-Dibromo-3-chloropropane	0.50	U	0.50	U	0.50	U	0.50	U		
1,2,4-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U		
1,2,3-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U		

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: November 4, 2004

SUBJECT: Review of Data
Received for Review on October 29, 2004

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: CDM

We have reviewed the data for this case. We have also reviewed the CADRE generated validation files.

SITE NAME: Southeast Rockford Groundwater Contamination

CASE NUMBER: 33432 SDG NUMBER: ME2EJ1

Number and Type of Samples: 6 waters

Sample Numbers: ME2EJ1-6

Laboratory: Ceimic Hrs. for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Case Number : 33432
Site Name: SE Rockford Groundwater

SDG Number: ME2EJ1
Laboratory: Ceimic

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Six water samples numbered ME2EJ1-6 were collected on October 11 and 12, 2004. The lab received the samples on October 14, 2004 in good condition. All samples were analyzed for metals. All samples were analyzed using CLP SOW ILM05.3 analysis procedures.

Mercury analysis was performed using a Cold Vapor AA Technique. The remaining inorganic analyses were performed using an Inductively Coupled Plasma-Atomic Emission Spectrometric procedure.

The reviewer corrected sample results and flags on form1.

Reviewed By: J. Ganz
Date: November 4, 2004

Case Number : 33432
Site Name: SE Rockford Groundwater

SDG Number: ME2EJ1
Laboratory: Ceimic

. **HOLDING TIME:**

No defects were found.

2. CALIBRATIONS:

No defects were found for the calibration or the CRQL standard.

3. BLANKS:

The following inorganic samples are associated with an ICB/CCB concentration which is greater than the MDL but less than or equal to the CRQL. The detected sample result is also less than or equal to the CRQL. Hits are qualified "U". The sample result is raised to the CRQL.

Aluminum
ME2EJ2, ME2EJ6

Arsenic
ME2EJ1, ME2EJ2, ME2EJ5

Copper
ME2EJ1, ME2EJ2, ME2EJ3, ME2EJ4, ME2EJ5, ME2EJ6

Mercury
ME2EJ1, ME2EJ2, ME2EJ4

Nickel
ME2EJ1, ME2EJ2, ME2EJ3, ME2EJ4, ME2EJ5, ME2EJ6

Potassium
ME2EJ1, ME2EJ2, ME2EJ3, ME2EJ4, ME2EJ5, ME2EJ6

Sodium
ME2EJ5

The following inorganic samples are associated with an ICB/CCB analyte with negative concentration whose absolute value is greater than or equal to the method detection limit (MDL) but less than or equal to the CRQL. The detected sample result is less than or equal to the CRQL. Hits are qualified "U". The sample result is raised to the CRQL.

Arsenic
ME2EJ1, ME2EJ2, ME2EJ5

Reviewed By: J. Ganz
Date: November 4, 2004

Case Number : 33432
Site Name: SE Rockford Groundwater
SDG Number: ME2EJ1
Laboratory: Ceimic

Sodium
ME2EJ5

4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND LAB CONTROL SAMPLE:

No defects were found for the matrix spike or the laboratory control sample audits.

5. LABORATORY AND FIELD DUPLICATE

No defects were found.

6. ICP ANALYSIS

The following result is associated with a replicate exposure RSD that was excessively high (>20%). This result is qualified "J".

Arsenic
ME2EJ3

. GFAA ANALYSIS

No GFAA analyses were performed for this case.

8. SAMPLE RESULTS

DC-5 The following inorganic samples have analyte concentrations greater than the method detection limit (MDL) but reported below the quantitation limit (CRQL). These results below the CRQL are qualified "J".

ME2EJ1
Barium, Chromium, Iron, Manganese, Thallium, Vanadium

ME2EJ2
Barium, Chromium, Manganese, Vanadium

ME2EJ3
Barium, Chromium, Thallium, Vanadium, Zinc

ME2EJ4
Barium, Thallium, Vanadium

ME2EJ5
Barium, Calcium, Chromium, Magnesium, Zinc

Reviewed By: J. Ganz
Date: November 4, 2004

Case Number : 33432
Site Name: SE Rockford Groundwater

SDG Number: ME2EJ1
Laboratory: Ceimic

ME2EJ6
Barium, Chromium, Thallium, Vanadium

All data, except those qualified above, are acceptable.

Reviewed By: J. Ganz
Date: November 4, 2004

ILM05.3 Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
UJ	The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Analytical Results (Qualified Data)

Case #: 33432	SDG : ME2EJ1		
Site :	ROCKFORD GROUNDWATER	Number of Soil Samples :	
Lab. :	CEIMIC	Number of Water Samples :	
Reviewer :	J. GANZ		
Date :	NOVEMBER 4, 2004		

Sample Number :	ME2EJ1		ME2EJ2		ME2EJ3		ME2EJ4		ME2EJ5
Sampling Location :	A7-MW-134B		A7-MW-134BF		A7-MW-106A		A7-MW-106AF		A7-MW-106A
Matrix :	Water		Water		Water		Water		Water
Units :	ug/L		ug/L		ug/L		ug/L		ug/L
Date Sampled :	10/11/2004		10/11/2004		10/12/2004		10/12/2004		10/12/2004
Time Sampled :	16:33		16:36		16:35		16:35		17:15
%Solids :	0.0		0.0		0.0		0.0		0.0
Dilution Factor :	1.0		1.0		1.0		1.0		1.0
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result
ALUMINUM	200	U	200	U	200	U	200	U	200
ANTIMONY	60.0	U	60.0	U	60.0	U	60.0	U	60.0
ARSENIC	10.0	U	10.0	U	14.9	J	12.3		10.0
BARIUM	49	U	35.5	U	25.4	U	30.5	U	49
BERYLLIUM	5.0	U	5.0	U	5.0	U	5.0	U	5.0
CADMIUM	5.0	U	5.0	U	5.0	U	5.0	U	5.0
CALCIUM	110000		112000		110000		111000		4370
CHROMIUM	4.4	U	4.4	U	4.4	U	4.4	U	4.4
COBALT	50.0	U	50.0	U	50.0	U	50.0	U	50.0
COPPER	25.0	U	25.0	U	25.0	U	25.0	U	25.0
IRON	67.3	J	100	U	5580		5330		145
LEAD	10.0	U	10.0	U	10.0	U	10.0	U	10.0
MAGNESIUM	50800		51700		52200		53100		1720
MANGANESE	7.9	U	7.2	U	60.4		62.5		15.0
MERCURY	0.20	U	0.20	U	0.20	U	0.20	U	0.20
NICKEL	40.0	U	40.0	U	40.0	U	40.0	U	40.0
POTASSIUM	5000	U	5000	U	5000	U	5000	U	5000
SELENIUM	35.0	U	35.0	U	35.0	U	35.0	U	35.0
SILVER	10.0	U	10.0	U	10.0	U	10.0	U	10.0
SODIUM	44000		45500		35100		35700		5000
THALLIUM	21.8	J	26.6		17.5	J	21.5	J	25.0
VANADIUM	3.26	J	3.2	J	2.2	J	1.28	J	50.0
ZINC	60.0	U	60.0	U	24.8	J	60.0	U	15.8

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Analytical Results (Qualified Data)

Case #: 33432	SDG : ME2EJ1
Site :	ROCKFORD GROUNDWATER
Lab. :	CEIMIC
Reviewer :	J. GANZ
Date :	NOVEMBER 4, 2004

Sample Number :	ME2EJ6								
Sampling Location :	A7-MW-106A(D)								
Matrix :	Water								
Units :	ug/L								
Date Sampled :	10/12/2004								
Time Sampled :	16:35								
%Solids :	0.0								
Dilution Factor :	1.0								
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result
ALUMINUM	200	U							
ANTIMONY	[illegible]	[illegible]							
ARSENIC	12.8								
BARIUM	[illegible]	[illegible]							
BERYLLIUM	5.0	U							
CADMIUM	[illegible]	[illegible]							
CALCIUM	110000								
CHROMIUM	[illegible]	[illegible]							
COBALT	50.0	U							
COPPER	[illegible]	[illegible]							
IRON	5640								
LEAD	[illegible]	[illegible]							
MAGNESIUM	52900								
MANGANESE	[illegible]								
MERCURY	0.20	U							
NICKEL	[illegible]	[illegible]							
POTASSIUM	5000	U							
SELENIUM	[illegible]	[illegible]							
SILVER	10.0	U							
SODIUM	[illegible]	[illegible]							
THALLIUM	21.8	J							
VANADIUM	[illegible]	[illegible]							
ZINC	60.0	U							

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Appendix F

Appendix F
June 2005 Groundwater Sampling Log Sheets

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 6/15/05 **WELL #:** MW122B

TIME: 1525 **DEPTH OF PUMP:** 125

WEATHER CONDITIONS: Overcast 65°F **SAMPLERS:** D Cooper, D. DeCarey-Bower

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1533										
1537		23.72	500mL		7.48	86.1	53.5	0.00	13.80	-52
1541		23.56	500mL		7.90	86.1	86	0.00	13.65	-84
1545		23.56	500mL		8.12	86.0	43.4	0.00	14.32	-97
1549		23.56	500mL		8.02	85.7	35.8	0.00	15.02	-94
1552		23.56	500mL		7.98	85.5	32.1	0.00	15.92	-94
1556		23.56	500mL		7.98	85.5	32.8	0.00	16.41	-95
1559		23.56	500mL		7.98	85.6	29.8	0.00	16.47	-95
1603		23.56	500mL		7.97	85.6	29.6	0.00	16.47	-94
1610	Sample	Time	A7-MW-122B							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 6/15/05 WELL #: MW122A

TIME: 1425 DEPTH OF PUMP: 95'

WEATHER CONDITIONS: SAMPLERS: D. Cooper, D. Delaney-Bower

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 µS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1435										
1440		22.91	500mL		7.50	0.999	410	1.96	15.08	53
1445		22.89	500mL		7.60	0.111	68	0.00	15.22	45
1448		22.87	500mL		7.65	0.111	36	0.00	15.50	44
1452		22.87	500mL		7.80	0.111	27.4	0.00	16.01	39
1455		22.87	500mL		7.88	0.112	23.5	0.00	16.34	38
1458		22.87	500mL		7.96	0.112	10.3	0.00	16.84	36
1502		22.87	500mL		8.00	0.112	11.6	0.00	16.89	30
1505		22.87	500mL		8.01	0.111	11.5	0.00	16.92	29
1508										
1510	Sample Time	AT MW-122A								

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 6/15/05 **WELL #:** MW102A

TIME: 1205 **DEPTH OF PUMP:** 30'

WEATHER CONDITIONS: Overcast 65°F **SAMPLERS:** D Sager, D. DeCarey Beaver

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 µS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1211	Start Purging									
1215		28.40	500mL		7.27	0.117	999	0.00	13.87	27
1220		28.58	500mL		7.48	0.120	702	0.00	13.94	26
1225		28.65	500mL		7.69	0.123	390	0.00	14.41	27
1230		28.67	500mL		7.75	0.124	310	0.00	14.57	21
1235		28.68	500mL		7.79	0.125	216	0.00	14.97	17
1240		28.68	500mL		7.74	0.126	82	0.00	15.07	11
1245		28.67	500mL		7.77	0.127	37.2	0.00	15.01	9
1250		28.66	500mL		7.77	0.127	23.5	0.00	14.95	12
1255		28.66	500mL		7.78	0.126	24.5	0.00	15.02	13
1258		28.66	500mL		7.78	0.126	24.0	0.00	14.98	12
1305	Sample Time A7-MW-102A									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 6/15/04 **WELL #:** MW102C

TIME: 1040 **DEPTH OF PUMP:** 180

WEATHER CONDITIONS: Overcast 65°F **SAMPLERS:** D Cooper, D. DeLorge-Bowe

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1050	Start	Purging			7.50	626				
1055		51.35	500mL	–	7.50	62.6	520	0.00	13.94	-44
1059		51.35	500mL	–	7.53	67.2	999	0.00	14.49	-75
1104		51.35	500mL	–	7.70	70.2	848	0.00	14.87	-84
1109		51.35	500mL	–	7.97	72.1	374	0.00	15.33	-92
1114		51.35	500mL	–	8.03	71.8	221	0.00	16.61	-93
1118		51.35	500mL	–	8.08	71.2	114	0.00	15.95	-94
1129		51.35	500mL	–	7.98	74.3	24.2	0.00	15.84	-70
1135		51.35	500mL	–	7.97	76.2	12.1	0.00	14.60	-67
1140		51.35	500mL	–	7.95	76.4	5.3	0.00	14.78	-68
1143		51.35	500mL	–	7.95	76.5	4.7	0.00	14.73	-68
1150	Sample	Time	MW102C							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

Sewer like - Sulfur Odor

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 6/15/05 **WELL #:** MW102B

TIME: 940 **DEPTH OF PUMP:** 95

WEATHER CONDITIONS: Overcast 65° **SAMPLERS:** D Cooper - D DeCourcy-Bower

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
0950	Start Purging									
0954		45.11	500mL	–	7.57	85.1	216	0.00	13.83	-62
0958		45.12	500mL	–	7.62	86.3	145	0.00	14.79	-75
1002		45.12	500mL	–	7.92	85.8	127	0.00	15.64	-91
1006		45.12	500mL	–	8.09	84.8	118	0.00	16.34	-100
1010		45.12	500mL	–	8.11	85.2	84	0.00	17.40	-101
1014		45.12	500mL	–	8.10	85.0	83	0.00	17.28	-101
1018		45.12	500mL	–	8.12	84.7	52	0.00	17.41	-105
1022		45.12	500mL	–	8.12	84.6	49	0.00	17.37	-103
1026		45.12	500mL	–	8.11	84.6	48	0.00	17.33	-103
1030	Sample Time A7-MW-102B									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 6/14/05 WELL #: MW112C

TIME: 1020 DEPTH OF PUMP: 300'

WEATHER CONDITIONS: SAMPLERS: D. Cooper, D. DeGuzy-Bower

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1023										
1027		127.15	500mL	—	8.01	64.3	46	0.79	13.39	-108
1031		—	500mL	—	8.21	64.9	25	0.00	13.69	-132
1035		127.15	500mL	—	8.34	64.9	18	0.00	13.92	-135
1039			500mL		8.37	64.5	19	0.00	13.90	-144
1043			500mL		8.26	64.4	16	0.00	13.85	-140
1047			500mL		8.22	64.3	17	0.00	13.92	-135
1051			500mL		8.23	64.1	18	0.00	14.08	-136
1054			500mL		8.24	64.0	19	0.00	13.98	-135
1057										
1102	Sample	Time	A7-MW-112C							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 6/14/05 **WELL #:** MW112B

TIME: 0910 **DEPTH OF PUMP:** 93'

WEATHER CONDITIONS: Cloudy 75° **SAMPLERS:** D. Cooper, D. Delaney Bunner

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
0915										
0919		15.35	500mL		7.68	77.0	40	0.53	13.52	-91
0923		15.45	500mL		7.93	78.1	21.0	0.00	14.02	-114
0927		15.50	500mL		8.19	79.5	13.1	0.00	14.61	-126
0931		15.45	500mL		8.24	79.4	12.2	0.00	14.90	-127
0935		15.45	500mL		8.27	79.1	8.6	0.00	15.01	-127
0939		15.45	500mL		8.25	78.9	6.5	0.00	15.04	-125
0942		15.43	500mL		8.25	78.8	6.4	0.00	15.05	-125
0945		15.43	500mL							
0945	Sample	Time	A7-MW112B							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 6/14/05 **WELL #:** MW-112A

TIME: 8:10 **DEPTH OF PUMP:** 30

WEATHER CONDITIONS: Partly Cloudy 75° **SAMPLERS:** D. Cooper D. DeCoursey-Bauer

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/~~µ~~m)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
0822	Start Pumping									
0826		14.48	500mL		7.65	85.9	130	0.68	12.87	112
0830			500mL		8.18	85.7	81	2.08	15.03	90
0834		20.68	500mL		8.21	85.3	18.9	2.47	15.02	76
0838		20.69	500mL		8.16	85.2	13.9	1.76	15.07	76
0842		20.53	500mL		8.18	85.3	6.9	1.13	14.89	73
0846		18.20	500mL		7.91	85.2	6.8	0.98	16.03	103
0850		18.18	500mL		7.89	85.1	6.4	0.60	15.78	98
0854		18.18	500mL		7.89	85.1	6.3	0.58	15.75	96
0858		18.18	500mL		7.88	85.1	6.0	0.55	15.74	95
0900	Sample Time	A7-MW112A								

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 6/15/05 WELL #: MW145

TIME: 740 DEPTH OF PUMP: 55'

WEATHER CONDITIONS: Overcast 65° SAMPLERS: D. Cooper, D. McGaughey-Bass

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
750	Start Purging									
755		37.11	500mL	–	7.36	95.3	78	0.33	13.83	16
759		37.11	500mL	–	7.74	98.8	49	0.00	14.84	-15
803		37.11	500mL	–	7.83	99.0	59	0.00	15.20	-21
807		37.11	500mL	–	7.86	99.0	31	0.00	15.40	-21
811		37.11	500mL	–	7.86	99.2	22	0.00	15.50	-22
815		37.11	500mL	–	7.87	99.2	16	0.00	15.58	-26
819		37.11	500mL	–	7.86	99.2	14	0.00	15.65	-26
822		37.11	500mL	–	7.86		13	0.00	15.62	-26
825	Sample Time A7-MW-145									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 8/14/05 **WELL #:** MW1050

TIME: 1615 **DEPTH OF PUMP:** 155'

WEATHER CONDITIONS: Partly Cloudy 75° **SAMPLERS:** D. Cooper, O. Delaney-Bowles

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
16:28	Start Purging									
16:32		18.17	500mL	—	7.94	60.7	74	0.23	14.14	-125
16:36		17.84	500mL		7.97	61.2	57	0.00	15.41	-127
16:46		18.26	500mL		7.91	62.2	34.5	0.00	14.30	-118
16:50		18.15	500mL		7.92	62.2	26.0	0.00	14.79	-126
16:54		18.04	500mL		7.98	62.1	21.7	0.00	16.43	-135
16:59		18.01	500mL		8.11	62.1	22.1	0.00	16.37	-145
1702		17.98	500mL		8.33	61.9	20.5	0.00	15.97	-155
1706		17.97	500mL		8.43	61.9	18.4	0.00	15.47	-163
1710		17.97	500mL		8.42	62.0	19.1	0.00	15.48	-161
1715		17.97	500mL		8.42	62.1	18.7	0.00	15.49	-161
1720	Sample Time A7-MW1050									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Slight Sulfur Odor

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 6/14/05 WELL #: MW105C

TIME: 15:05 DEPTH OF PUMP: 95'

WEATHER CONDITIONS: SAMPLERS: D. Cooper, D. DeCurcy-Bower

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1512	Start Purging									
1516		11.77	500mL	–	7.44	80.9	19.9	0.00	14.13	-71
1520		11.77	500mL	–	7.81	82.8	20.7	0.00	14.75	-93
1524		11.77	500mL	–	7.98	89.0	15.2	0.00	13.99	-103
1528		11.77	500mL	–	7.95	89.3	16.4	0.00	14.14	-101
1532		11.77	500mL		7.87	89.3	18.5	0.00	14.53	-99
1536		11.77	500mL		7.91	89.8	20.6	0.00	14.66	-103
1540		11.77	500mL		7.91	89.6	22.4	0.00	14.84	-105
1544					7.90	89.7	21.2	0.00	14.77	-106
1550	Sample Time		AT- MW105C							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

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No Odor - Headspace 0.0

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 6/14/03 WELL #: MW105B

TIME: 1400 DEPTH OF PUMP: 50'

WEATHER CONDITIONS: Overcast 75°F SAMPLERS: D Cooper, D. Delaney-Bowl

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1404										
1408		8.10	500mL	–	7.94	96.7	23.5	0.59	14.37	-194
1412		8.10	500mL	–	7.86	98.5	14.8	0.72	15.25	-185
1416		8.10	500mL	–	8.04	98.7	13.7	0.00	15.70	-179
1420		8.10	500mL	–	8.07	97.5	5.2	0.00	15.52	-168
1424		8.10	500mL	–	8.06	97.1	4.8	0.00	15.50	-164
1428		8.10	500mL	–	8.07	96.4	1.4	0.00	15.48	-159
1432		8.10	500mL	–	8.06	95.8	1.2	0.0	15.46	-152
1436		8.10	500mL	–	8.06	95.9	1.5	0.0	15.47	-153
1439		8.10	500mL	–	8.06	95.9	1.2	0.0	15.48	-152
1442	Sample	Time	A7-MW-105B							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

sulfur odor

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 6/14/05 WELL #: MW105A

TIME: 1300 DEPTH OF PUMP: 20'

WEATHER CONDITIONS: Cloudy 78°F SAMPLERS: D. Cooper, D. DeGeurey-Bauer

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 µS/µm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1312										
1317		7.65	500mL		7.44	.095	21	3.61	13.79	-6
1321		7.65	500 mL	—	7.81	.097	11	0.41	14.78	-14
1325		7.62	500mL	—	7.82	0.097	3.1	0.00	16.11	-9
1329		7.62	500mL	—	7.92	0.097	2.4	0.00	16.57	-1
1333		7.62	500mL	—	7.90	0.097	4.0	0.00	16.56	-1
1337		7.63	500mL	—	7.90	0.097	4.2	0.00	16.52	-2
1341					7.90	0.097	4.0	0.0	16.51	-1
1345	Sample	Time	MW105A							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 6/13/05 WELL #: MW135B

TIME: 1630 DEPTH OF PUMP: 75'

WEATHER CONDITIONS: Clear 85°F SAMPLERS: D. Cooper, D. DeCourcy-Bower

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 µS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1634	Start Pumping									
1638		57.32	500mL	—	7.89	.100	225	5.88	15.38	124
1642		57.44	500mL	-.12	7.84	.102	106	2.93	17.35	112
1646		57.34	500mL	-.02	7.84	.102	80	2.40	18.76	83
1650		57.32	500mL	—	7.83	.103	40	2.40	18.94	76
1654		57.32	500mL	—	7.81	.102	27	2.34	19.20	73
1658		57.32	500mL	—	7.79	.102	22	2.38	19.26	74
1702		57.32	500mL	—	7.80	.103	22	2.28	19.27	75
1706		57.32	500mL	—	7.79	.103	18	2.33	19.27	74
1710	Sample Time A7-MW-135B									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 6/13/05 WELL #: MW144

TIME: 1515 DEPTH OF PUMP: 82

WEATHER CONDITIONS: SAMPLERS: R Copp D. DeCarey Bowes

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1522	Start pumping									
1525		55.52	500mL	—	7.41	79.6	606	2.04	13.90	125
1530		55.55	500mL	—	7.81	78.3	408	1.36	17.40	75
1535		55.55	500mL	—	7.94	80.1	168	1.02	17.80	54
1538		55.55	500mL	—	7.85	79.8	74	0.80	17.96	56
1541		5555	500mL	—	7.86	79.8	206	0.70	18.18	56
1544		55.55	500mL	—	7.85	79.6	35	0.75	18.20	58
1547		55.55	500mL	—	7.87	79.8	28	0.70	18.16	58
1550		55.55	500mL	—	7.86	79.8	24	0.68	18.15	60
1553		55.55	500mL	—	7.85	79.8	22	0.66	18.15	61
1600	Sample	Time	A7-GW-144							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Southeast Rockford, Area 7

DATE: 6/13/05 WELL #: MW143

TIME: 1:20 DEPTH OF PUMP: 75

WEATHER CONDITIONS: Partly Cloudy 85°F. Humid. SAMPLERS: D. Cooper, D. DeCarey-Bower

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.25 SU)	SPECIFIC COND. (+/- 50 mS/cm)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 5 C°)	REDOX POTENTIAL mV (+/- 10 mv)
1345	Start Pumping									
1350			500mL/m		7.93	80.1	565	4.21	13.8	165
1355			500mL/m		7.87	78.3	455	4.52	15.9	163
1400			500mL/m		7.92	78.4	337	4.55	18.7	161
1405			500mL/m		7.96	78.4	120	4.65	19.62	159
1410			500mL/m		7.99	78.7	62	4.53	19.90	159
1413			500mL/m		7.98	78.7	28	4.63	19.92	160
1416			500mL/m		7.98	78.7	24	4.63	19.93	159
1419			500mL/m		7.98	78.7	22	4.60	19.92	160
1422			500mL/m		7.98	78.7	20	4.61	19.92	160
1430	Sample Time A7-MW-143									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

Appendix G

Appendix G

June 2005 Groundwater Sampling Analytical and Data Validation Reports

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND DIVISION

DATE:

SUBJECT: Review of Data
Received for Review on: 7-6-05

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: CDM

We have reviewed the data for the following case:

SITE Name: Southeast Rockford Groundwater (IL)

Case Number: 34309 SDG Number: E2D90

Number and Type of Samples: 15 Water Samples

Sample Numbers: E2D90 – 99, E2DA0 – 4

Laboratory: A4 Scientific Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Case Number: 34309
Site Name: Southeast Rockford Groundwater (IL)

SDG Number: E2D90
Laboratory: A4 Scientific

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Fifteen (15) water samples labeled E2D90 through 99 and E2DA0 through 4, were collected between 6/13/05 and 6/14/05. The lab received the samples on 6/14/05 and 6/15/05 in good condition. All samples were analyzed for the VOA organic analytes. All samples were analyzed according to CLP SOW OLC3.2.

Case Number: 34309
Site Name: Southeast Rockford Groundwater (IL)

SDG Number: E2D90
Laboratory: A4 Scientific

1. HOLDING TIME

No defects found.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No defects found.

3. CALIBRATION

The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

Dichlorodifluoromethane, Vinyl Chloride, Trichlorofluoromethane
E2D90, E2D90DL, E2D91, E2D92, E2D92DL, E2D93, E2D93DL, E2D94, E2D94DL, E2D95, E2D96, E2D96MS, E2D96MSD, E2D97, E2D98, E2D99, E2DA0, E2DA0DL, E2DA1, E2DA2, E2DA3, E2DA4, VBLK77, VBLK78, VHBLK01

The following volatile samples are associated with an initial calibration in which a SMC/DMC exceeded percent relative standard deviation (%RSD) criteria. No action is taken on the DMC %RSD data alone.

Vinyl Chloride-d3
E2D90, E2D90DL, E2D91, E2D92, E2D92DL, E2D93, E2D93DL, E2D94, E2D94DL, E2D95, E2D96, E2D96MS, E2D96MSD, E2D97, E2D98, E2D99, E2DA0, E2DA0DL, E2DA1, E2DA2, E2DA3, E2DA4, VBLK77, VBLK78, VHBLK01

The following volatile samples are associated with an initial calibration in which a SMC/DMC did not meet relative response factor (RRF) criteria. No action is taken on the DMC RRF data alone.

Trans-1,3-Dichloropropene-d4
E2D90, E2D90DL, E2D91, E2D92, E2D92DL, E2D93, E2D93DL, E2D94, E2D94DL, E2D95, E2D96, E2D96MS, E2D96MSD, E2D97, E2D98, E2D99, E2DA0, E2DA0DL, E2DA1, E2DA2, E2DA3, E2DA4, VBLK77, VBLK78, VHBLK01

The following volatile samples are associated with a continuing calibration in which a SMC/DMC exceeded percent difference (%D) criteria. No action is taken on the DMC %D data alone.

Vinyl Chloride-d3, Chloroethane-d5
E2D90, E2D90DL, E2D91, E2D92, E2D92DL, E2D93, E2D93DL, E2D94, E2D94DL, E2D95, E2D96, E2D96MS, E2D96MSD, E2D97, E2D98, E2D99, E2DA0, E2DA0DL, E2DA1, E2DA2, E2DA3, E2DA4, VBLK77, VBLK78, VHBLK01

Case Number: 34309 SDG Number: E2D90
Site Name: Southeast Rockford Groundwater (IL) Laboratory: A4 Scientific

The following volatile samples are associated with a continuing calibration in which a SMC/DMC did not meet relative response factor (RRF) criteria. No action is taken on the DMC RRF data alone.

Trans-1,3-Dichloropropene-d4
E2D90, E2D90DL, E2D91, E2D92, E2D92DL, E2D93, E2D93DL, E2D94, E2D94DL, E2D95, E2D96, E2D96MS, E2D96MSD, E2D97, E2D98, E2D99, E2DA0, E2DA0DL, E2DA1, E2DA2, E2DA3, E2DA4, VBLK77, VBLK78, VHBLK01

4. BLANKS

The following volatile samples have analyte concentrations reported below the CRQL. The associated method blank concentration is less than the concentration criteria. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

Methylene Chloride
E2D90DL, E2D92, E2D92DL, E2D93, E2D93DL, E2D94DL, E2D95, VHBLK01

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

The following volatile samples have DMC recoveries above the upper limit of the criteria window. Hits are qualified "J" and non-detects are not flagged.

4-Methyl-2-pentanone, 2-Hexanone
E2D92, E2DA4

Dibromochloromethane, 1,2-Dibromoethane, Bromoform
E2D96MSD, E2D97, E2D98, E2DA2, E2DA3, E2DA4

Acetone, 2-Butanone
E2D97, E2DA1, E2DA4

1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane
E2D98

The following volatile samples have one or more DMC recovery values below the lower limit of the criteria window. Hits are biased low and qualified "J" and non-detects are qualified "UJ".

Cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane
E2D91

Case Number: 34309 SDG Number: E2D90
Site Name: Southeast Rockford Groundwater (IL) Laboratory: A4 Scientific

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No defects found.

7. FIELD BLANK AND FIELD DUPLICATE

Sample E2D94 is a Field Duplicates of sample E2D93. The table below lists the analytes detected:

	E2D93 [µg/L]	E2D93DL* [µg/L]	E2D94 [µg/L]	E2D94DL** [µg/L]
1,1-Dichloroethene	1.5		1.4	
Trans-1,2-Dichloroethene	3.1	2.2 "J"	3.0	3.3 "J"
Methyl tert-Butyl Ether	0.24 "J"		0.27 "J"	
1,1-Dichloroethane	7.4	6.2 "J"	7.4	8.3 "J"
Cis-1,2-Dichloroethene	210 "E"	150	210 "E"	200
Chloroform	0.90		0.86	
1,1,1-Trichloroethane	12	9.0 "J"	12	12 "J"
Benzene	0.16 "J"			
Trichloroethene	83 "E"	57	82 "E"	75
Tetrachloroethene	21	15	21	21

**E2D93DL result reported from a 20x dilution analysis*
***E2D94DL result reported from a 25x dilution analysis*

Results are not qualified based upon the results of the field blanks or field duplicates.

8. INTERNAL STANDARDS

No defects found.

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E2D90
Trichlorofluoromethane, Chloroform, Carbon Tetrachloride

Case Number: 34309
Site Name: Southeast Rockford Groundwater (IL)

SDG Number: E2D90
Laboratory: A4 Scientific

E2D90DL
1,1-Dichloroethane, cis-1,2-Dichloroethene, Chloroform

E2D91, E2D98, E2DA1
Acetone

E2D92
Trichlorofluoromethane, Acetone, Benzene, Xylenes (total), Bromoform

E2D92DL
1,1-Dichloroethene, Trichloroethene

E2D93
Methyl tert-Butyl Ether, Benzene

E2D93DL, E2D94DL
trans-1,2-Dichloroethene, 1,1-Dichloroethane, 1,1,1-Trichloroethane

E2D94
Methyl tert-Butyl Ether

E2D95
Acetone, trans-1,2-Dichloroethene, Trichloroethene

E2D96, E2D96MSD
Acetone, 1,1,1-Trichloroethane, Tetrachloroethene

E2D96MS
Acetone, trans-1,2-Dichloroethene, 1,1,1-Trichloroethane, Tetrachloroethene

E2D97
cis-1,2-Dichloroethene

E2D99
1,1-Dichloroethene, Benzene, 1,1,2-Trichloroethane

E2DA0
Benzene, 1,1,2-Trichloroethane

E2DA0DL
Vinyl Chloride, 1,1-Dichloroethene, 1,2-Dichloroethane

E2DA3
Acetone, 1,1,1-Trichloroethane

Case Number: 34309
Site Name: Southeast Rockford Groundwater (IL)

SDG Number: E2D90
Laboratory: A4 Scientific

E2DA4
Acetone, Toluene, Bromoform

VBLK77, VBLK78
Methylene Chloride

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

12. ADDITIONAL INFORMATION

Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E2D90, E2D90DL, E2D91, E2D92, E2D92DL, E2D93, E2D93DL, E2D94, E2D94DL, E2D95, E2D96, E2D96MS, E2D96MSD, E2D97, E2D98, E2D99, E2DA0, E2DA0DL, E2DA1, E2DA2, E2DA3, E2DA4, VBLK77, VBLK78, VHBLK01

The following samples had one or more analytes with a concentration that exceeded the instrument's calibration range. The result(s) from the diluted sample should be considered the analyte's final concentration

E2D90
1,1,1-Trichloroethane, Tetrachloroethene

E2D92
1,1-Dichloroethene, 1,1-Dichloroethane, cis-1,2-Dichloroethene, 1,1,1-Trichloroethane, Trichloroethene, Tetrachloroethene

E2D93, E2D94
cis-1,2-Dichloroethene, Trichloroethene

E2DA0
1,1-Dichloroethane, cis-1,2-Dichloroethene, 1,1,1-Trichloroethane

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present.)

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2D90
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer : John Walton
Date : 08/15/05

Number of Soil Samples : 0
Number of Water Samples : 15

Sample Number :	E2DA0		E2DA0DL		E2DA1		E2DA2		E2DA3	
Sampling Location :	A7-MW-105B		A7-MW-105B		A7-TB-3		A7-MW-105C		A7-MW-105D	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/14/2005		6/14/2005		6/14/2005		6/14/2005		6/14/2005	
Time Sampled :	14:42		14:42		15:20		15:50		17:20	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		4.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.50	UJ	2.0	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Chloromethane	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
Vinylchloride	0.71		0.88		0.50	U	0.72		0.13	
Bromomethane	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
Chloroethane	0.50	U	2.0	U	0.50	U	0.19		0.77	
Trichlorofluoromethane	0.50	UJ	2.0	UJ	0.50	UJ	0.50	UJ	0.50	UJ
1,1-Dichloroethene	1.1		0.92		0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-trifluor	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
Acetone	5.0	U	20	U	0.8		5.0	U	0.88	
Carbon Disulfide	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	0 50	U	2.0	U	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	2.2		2.6		0.50	U	0.50	U	0.50	U
Methyl tert-Butyl Ether	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	38		20		0.60		0.28		0.62	
cis-1,2-Dichloroethene	64		70		0.50	U	3.1		4.2	
2-Butanone	5.0	U	20	U	5.0	U	5.0	U	5.0	U
Bromochloromethane	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
Chloroform	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
1,1,1-Trichloroethane	48		49		0.50	U	0.50	U	0.46	J
Cyclohexane	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
Benzene	0.54		2.0	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	1.3		1.8	J	0.50	U	1.2		0 63	
Trichloroethene	0.21		0.21		0.50	U	0.50	U	0.50	U
Methylcyclohexane	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
4-Methyl-2-pentanone	5.0	U	20	U	5.0	U	5.0	U	5.0	U
Toluene	0.50	U	2.0	U	0.60		0.50	U	0.70	
trans-1,3-Dichloropropene	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.43		2.0	U	0.50	U	0.50	U	0.50	U

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2D90
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer : John Walton
Date : 08/15/05

Sample Number :	E2DA0		E2DA0DL		E2DA1		E2DA2		E2DA3	
Sampling Location :	A7-MW-105B		A7-MW-105B		A7-TB-3		A7-MW-105C		A7-MW-105D	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/14/2005		6/14/2005		6/14/2005		6/14/2005		6/14/2005	
Time Sampled	14:42		14:42		15:20		15:50		17:20	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		4.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Methylene Chloride	10	U	40	U	10	U	10	U	10	U
2-Hexanone	5.0	U	20	U	5.0	U	5.0	U	5.0	U
Dibromochloromethane	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
Ethylbenzene	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
Xylenes (total)	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
Styrene	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
Bromoform	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	U	2.0	U	0.50	U	0.50	U	0.50	U

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2D90
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer : John Walton
Date : 08/15/05

Sample Number :	E2DA4		E2D90		E2D90DL		E2D91		E2D92	
Sampling Location :	A7-R-1		A7-MW-143		A7-MW-143		A7-TB-1		A7-MW-144	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/14/2005		6/13/2005		6/13/2005		6/13/2005		6/13/2005	
Time Sampled :	17:50		14:30		14:30		15:04		16:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		8.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.50	UJ	0.50	UJ	4.0	UJ	0.50	UJ	0.50	UJ
Chloromethane	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
Vinyl Chloride	0.50	UJ	0.50	UJ	4.0	UJ	0.50	UJ	0.50	UJ
Bromomethane	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
Chloroethane	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
Trichlorofluoromethane	0.50	UJ	0.31	J	4.0	UJ	0.50	UJ	0.48	J
1,1-Dichloroethene	0.50	U	6.2		6.6		0.50	U	46	
1,1,2-Trichloro-1,2,2-trifluor	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
Acetone	4.0	J	5.0	U	40	U	0.44	J	0.46	J
Carbon Disulfide	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
Methyl Acetate	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
Methylene Chloride	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	0.50	U	0.50	U	4.0	U	0.50	U	3.6	
Methyl tert-Butyl Ether	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
1,1-Dichloroethane	0.50	U	1.8		2.6	J	0.50	U	60	
cis-1,2-Dichloroethene	0.50	U	0.89		2.5	J	0.50	U	970	
2-Butanone	5.0	U	5.0	U	40	U	5.0	U	5.0	U
Bromochloromethane	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
Chloroform	0.50	U	0.30	J	1.4	J	0.50	U	2.0	
1,1,1-Trichloroethane	0.50	U	59		67		0.50	U	750	
Cyclohexane	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
Carbon Tetrachloride	0.50	U	0.40	J	4.0	U	0.50	U	0.50	U
Benzene	0.50	U	0.50	U	4.0	U	0.50	U	0.41	J
1,2-Dichloroethane	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
Trichloroethene	0.50	U	9.6		11		0.50	U	240	
Methylcyclohexane	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
Bromodichloromethane	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	U	0.50	U	4.0	U	0.50	UJ	0.50	U
4-Methyl-2-pentanone	5.0	U	5.0	U	40	U	5.0	U	5.0	U
Toluene	0.25	J	0.50	U	4.0	U	0.50	UJ	0.50	U
trans-1,3-Dichloropropene	0.50	U	0.50	U	4.0	U	0.50	UJ	0.50	U
1,1,2-Trichloroethane	0.50	U	0.50	U	4.0	U	0.50	UJ	2.2	

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2D90
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer : John Walton
Date : 08/15/05

Sample Number :	E2DA4		E2D90		E2D90DL		E2D91		E2D92	
Sampling Location :	A7-R-1		A7-MW-143		A7-MW-143		A7-TB-1		A7-MW-144	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/14/2005		6/13/2005		6/13/2005		6/13/2005		6/13/2005	
Time Sampled :	17:50		14:30		14:30		15:04		16:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		8.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
2-Hexanone	5.0	U	5.0	U	40	U	5.0	U	5.0	U
Dibromochloromethane	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
1,2-Dibromoethane	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
Ethylbenzene	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
Xylenes (total)	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
Styrene	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
Bromoform	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
Isopropylbenzene	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	U	0.50	U	4.0	U	0.50	U	0.50	U

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2D90
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer : John Walton
Date : 08/15/05

Sample Number :	E2D92DL		E2D93		E2D93DL		E2D94		E2D94DL	
Sampling Location :	A7-MW-144		A7-MW-135B		A7-MW-135B		A7-MW-135BD		A7-MW-135BD	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/13/2005		6/13/2005		6/13/2005		6/13/2005		6/13/2005	
Time Sampled :	16:00		17:10		17:10		17:10		17:10	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	80.0		1.0		20.0		1.0		25.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	40	UJ	0.50	UJ	10	UJ	0.50	UJ	13	UJ
Chloromethane	40	U	0.50	U	10	U	0.50	U	13	U
Vinyl chloride	40	UJ	0.50	UJ	10	UJ	0.50	UJ	13	UJ
Bromomethane	40	U	0.50	U	10	U	0.50	U	13	U
Chloroethane	40	UJ	0.50	UJ	10	UJ	0.50	UJ	13	UJ
Trichlorofluoromethane	40	UJ	0.50	UJ	10	UJ	0.50	UJ	13	UJ
1,1-Dichloroethene	40	UJ	0.35	UJ	10	UJ	0.17	UJ	10	UJ
1,1,2-Trichloro-1,2,2-trifluor	40	U	0.50	U	10	U	0.50	U	13	U
Acetone	400	UJ	5.0	UJ	100	UJ	0.50	UJ	130	UJ
Carbon Disulfide	40	U	0.50	U	10	U	0.50	U	13	U
Vinyl Acetate	40	UJ	0.50	UJ	10	UJ	0.50	UJ	13	UJ
Methylene Chloride	40	U	0.50	U	10	U	0.50	U	13	U
trans-1,2-Dichloroethene	40	UJ	3.4	J	2.9	J	3.0	J	3.3	J
Methyl tert-Butyl Ether	40	U	0.24	J	10	U	0.27	J	13	U
1,1-Dichloroethane	66		7.4		6.2		7.4		6.3	
cis-1,2-Dichloroethene	910		210		150		210		200	
2-Butanone	400	UJ	5.0	UJ	100	UJ	5.0	UJ	100	UJ
Bromochloromethane	40	U	0.50	U	10	U	0.50	U	13	U
Chloroform	40	U	0.99	J	10	U	0.88	J	13	U
1,1,1-Trichloroethane	710		12		9.0	J	12		12	J
Cyclohexane	40	U	0.50	U	10	U	0.50	U	13	U
Carbon Tetrachloride	40	U	0.50	U	10	U	0.50	U	13	U
Benzene	40	U	0.75	J	10	U	0.50	U	13	U
1,2-Dichloroethane	40	U	0.50	U	10	U	0.50	U	13	U
Trichloroethene	36	J	8.3		6.7		8.2		7.5	
Methylcyclohexane	40	U	0.50	U	10	U	0.50	U	13	U
1,2-Dichloropropane	40	U	0.50	U	10	U	0.50	U	13	U
Bromodichloromethane	40	U	0.50	U	10	U	0.50	U	13	U
cis-1,3-Dichloropropene	40	U	0.50	U	10	U	0.50	U	13	U
4-Methyl-2-pentanone	400	U	5.0	U	100	U	5.0	U	130	U
Toluene	40	U	0.50	U	10	U	0.50	U	13	U
trans-1,3-Dichloropropene	40	U	0.50	U	10	U	0.50	U	13	U
1,1,2-Trichloroethane	40	U	0.50	U	10	U	0.50	U	13	U

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2D90
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer : John Walton
Date : 08/15/05

Sample Number :	E2D92DL		E2D93		E2D93DL		E2D94		E2D94DL	
Sampling Location :	A7-MW-144		A7-MW-135B		A7-MW-135B		A7-MW-135BD		A7-MW-135BD	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/13/2005		6/13/2005		6/13/2005		6/13/2005		6/13/2005	
Time Sampled :	16:00		17:10		17:10		17:10		17:10	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	80.0		1.0		20.0		1.0		25.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Methylcyclohexane	400	U	5.0	U	100	U	5.0	U	130	U
2-Hexanone	400	U	5.0	U	100	U	5.0	U	130	U
Dibromochloromethane	40	U	0.50	U	10	U	0.50	U	13	U
1,2-Dibromoethane	40	U	0.50	U	10	U	0.50	U	13	U
Chlorobenzene	40	U	0.50	U	10	U	0.50	U	13	U
Ethylbenzene	40	U	0.50	U	10	U	0.50	U	13	U
Xylenes (total)	40	U	0.50	U	10	U	0.50	U	13	U
Styrene	40	U	0.50	U	10	U	0.50	U	13	U
Bromoform	40	U	0.50	U	10	U	0.50	U	13	U
Isopropylbenzene	40	U	0.50	U	10	U	0.50	U	13	U
1,1,2,2-Tetrachloroethane	40	U	0.50	U	10	U	0.50	U	13	U
1,3-Dichlorobenzene	40	U	0.50	U	10	U	0.50	U	13	U
1,4-Dichlorobenzene	40	U	0.50	U	10	U	0.50	U	13	U
1,2-Dichlorobenzene	40	U	0.50	U	10	U	0.50	U	13	U
1,2-Dibromo-3-chloropropane	40	U	0.50	U	10	U	0.50	U	13	U
1,2,4-Trichlorobenzene	40	U	0.50	U	10	U	0.50	U	13	U
1,2,4-Trimethylbenzene	40	U	0.50	U	10	U	0.50	U	13	U

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2D90
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer : John Walton
Date : 08/15/05

Sample Number :	E2D95		E2D96		E2D96MS		E2D96MSD		E2D97	
Sampling Location :	A7-MW-112A		A7-MW-112B		A7-MW-112B		A7-MW-112B		A7-MW-112C	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/14/2005		6/14/2005		6/14/2005		6/14/2005		6/13/2005	
Time Sampled :	09:00		09:45		09:45		09:45		11:02	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl Chloride	0.50	UJ	0.50	U	0.50	UJ	0.50	U	0.50	UJ
Bromomethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichlorofluoromethane	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
1,1-Dichloroethene	0.67		0.92		0.62		0.53		0.50	U
1,1,2-Trichloro-1,2,2-trifluor	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	0.81		1.2		0.78		1.2		0.50	U
Carbon Disulfide	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	0.37		0.52		0.41		0.56		0.50	U
Methyl tert-Butyl Ether	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	1.2		24		15		24		0.50	U
cis-1,2-Dichloroethene	1.9		18		14		18		0.16	J
2-Butanone	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,1-Trichloroethane	18		0.23	J	0.19	J	0.21	J	0.50	U
Cyclohexane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Benzene	0.50	U	0.50	U	6.8		5.7		0.50	U
1,2-Dichloroethane	0.50	U	8.0		7.4		8.3		0.50	U
Trichloroethene	0.19	J	14		6.6		6.8		0.50	U
Methylcyclohexane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Toluene	0.50	U	0.50	U	5.7		5.5		0.50	U
trans-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2D90
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer : John Walton
Date : 08/15/05

Sample Number :	E2D95		E2D96		E2D96MS		E2D96MSD		E2D97	
Sampling Location :	A7-MW-112A		A7-MW-112B		A7-MW-112B		A7-MW-112B		A7-MW-112C	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/14/2005		6/14/2005		6/14/2005		6/14/2005		6/13/2005	
Time Sampled :	09:00		09:45		09:45		09:45		11:02	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH .										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene (PCE)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
2-Hexanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Dibromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Ethylbenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m,p-Xylene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Hexachlorobutadiene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2D90
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer : John Walton
Date : 08/15/05

Sample Number :	E2D98		E2D99		VBLK77		VBLK78		VHBLK01	
Sampling Location :	A7-TB-2		A7-MW-105A							
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/14/2005		6/14/2005							
Time Sampled :	14:12		13:45							
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Chloromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl Chloride	0.50	UJ	0.23	J	0.50	UJ	0.50	UJ	0.50	UJ
Bromomethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Trichlorofluoromethane	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
1,1-Dichloroethene	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
1,1,2-Trichloro-1,2,2-trifluor	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	5.0	UJ	5.0	UJ	5.0	UJ	5.0	UJ	5.0	UJ
Carbon Disulfide	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Methylene Chloride	0.50	U	0.50	U	0.29	J	0.15	J	0.50	U
trans-1,2-Dichloroethene	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Methyl tert-Butyl Ether	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
cis-1,2-Dichloroethene	0.50	U	19		0.50	U	0.50	U	0.50	U
2-Butanone	5.0	UJ	5.0	UJ	5.0	UJ	5.0	UJ	5.0	UJ
Bromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
1,1,1-Trichloroethane	0.50	U	23		0.50	U	0.50	U	0.50	U
Cyclohexane	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Carbon Tetrachloride	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Benzene	0.50	UJ	0.19	J	0.50	UJ	0.50	UJ	0.50	UJ
1,2-Dichloroethane	0.50	U	1.4		0.50	U	0.50	U	0.50	U
Trichloroethene	0.50	UJ	0.15	J	0.50	UJ	0.50	UJ	0.50	UJ
Methylcyclohexane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Bromodichloromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Toluene	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
trans-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ	0.50	UJ

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2D90
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer : John Walton
Date : 08/15/05

Sample Number :	E2D98		E2D99		VBLK77		VBLK78		VHBLK01	
Sampling Location :	A7-TB-2		A7-MW-105A							
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/14/2005		6/14/2005							
Time Sampled :	14:12		13:45							
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	**Result**	**Flag**	**Result**	**Flag**	**Result**	**Flag**	**Result**	**Flag**	**Result**	**Flag**
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2-Hexanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2-Dibromoethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ethylbenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Styrene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Isopropylbenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2,4-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND DIVISION

DATE: 08/09/2005

SUBJECT: Review of Data
Received for Review on: 7/07/2005

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: CDM

We have reviewed the data for the following case:

SITE Name: Southeast Rockford Groundwater Contamination (IL)

Case Number: 34309 SDG Number: E2DA5

Number and Type of Samples: 9 Water Samples

Sample Numbers: E2DA5-E2DA9, E2DB0-E2DB3

Laboratory: A4 Scientific Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Case Number:34309 SDG Number:E2DA5
Site Name: Southeast Rockford Groundwater Contamination Laboratory: A4 Scientific

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

9 water samples labeled E2DA5 through E2DA9 and E2DB0 though E2DB3_were collected on 6/15/2005. The lab received the samples on 6/16/2005 in good condition. All samples were analyzed for volatiles only. All samples were analyzed according to CLP SOW OLC03.2

Reviewed by: James D. Burden/ESAT Chemist
Date:08/09/2005

Case Number:34309 SDG Number:E2DA5
Site Name: Southeast Rockford Groundwater Contamination Laboratory: A4 Scientific

1. HOLDING TIME

No defects found.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No defects found.

3. CALIBRATION

The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

Dichlorodifluoromethane, Vinyl Chloride, Trichlorofluoromethane
E2DA5, E2DA5DL, E2DA6, E2DA7, E2DA9, E2DA9DL, E2DB0, VBLK81, VBLK95,VHBLK01

Methyl Acetate, Methylene Chloride
E2DA7MS, E2DA7MSD, E2DA8, E2DA8DL, E2DB0DL, E2DB1, E2DB2, E2DB3, VBLKT7, VBLKT9, VBLKU0

The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

2-Butanone
E2DB2, VBLKT7

The following volatile samples are associated with an initial calibration in which a SMC/DMC exceeded percent relative standard deviation (%RSD) criteria. This is not an actionable item, so no flags will result.

Vinyl Chloride-d3

E2DA5, E2DA5DL, E2DA6, E2DA7, E2DA7MS, E2DA7MSD, E2DA8, E2DA8DL, E2DA9, E2DA9DL, E2DB0, E2DB0DL, E2DB1, E2DB2, E2DB3, VBLK81, VBLK95, VBLKT7, VBLKT9, VBLKU0, VHBLK01

The following volatile samples are associated with an initial calibration in which a SMC/DMC did not meet relative response factor (RRF) criteria. This is not an actionable item, so no flags will result.

Vinyl Chloride-d3, trans-1,3-Dichloropropene-d4
E2DA5, E2DA5DL, E2DA6, E2DA7, E2DA7MS, E2DA7MSD, E2DA8, E2DA8DL, E2DA9, E2DA9DL, E2DB0, E2DB0DL, E2DB1, E2DB2, E2DB3, VBLK81, VBLK95, VBLKT7, VBLKT9, VBLKU0, VHBLK01

The following volatile samples are associated with a continuing calibration in which a SMC/DMC exceeded percent difference (%D) criteria. This is not an actionable item, so no flags will result.

Vinyl Chloride-d3, Chloroethane-d5, 1,1-Dichloroethene-d2
E2DA5, E2DA5DL, E2DA6, E2DA7, E2DA9, E2DA9DL, E2DB0, VBLK81

The following volatile samples are associated with a continuing calibration in which a SMC/DMC did not meet relative response factor (RRF) criteria. This is not an actionable item, so no flags will result.

Vinyl Chloride-d3, Chloroethane-d5, 1,1-Dichloroethene-d2
E2DA5, E2DA5DL, E2DA6, E2DA7, E2DA9, E2DA9DL, E2DB0, VBLK81, VBLK95, VHBLK01

4. BLANKS

The following volatile samples have analyte concentrations above the CRQL, but less than 10 times the associated method blank. Hits are qualified "U or UJ" and non-detects are not flagged.

Methylene Chloride
E2DA9, E2DB2

The following volatile samples have analyte concentrations below the CRQL, and less than 10 times the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U or UJ" and non-detects are not flagged.

Methylene Chloride
E2DA5, E2DA5DL, E2DA7MS, E2DA7MSD, E2DA8, E2DA8DL, E2DA9DL, E2DB0DL, E2DB1, E2DB3, VHBLK01

The following volatile samples are associated with a contaminated storage blank. Hits are qualified "J" and non-detects are not flagged.

Acetone
E2DA5, E2DA5DL, E2DA6, E2DA7, E2DA9DL, E2DB0, E2DB1

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

The following volatile samples have DMC recoveries above the upper limit of the criteria window. Hits for the compounds associated with that surrogate are qualified "J" and non-detects are not flagged unless qualified for another problem.

Cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane
E2DA5

Benzene
E2DA8

Dibromochloromethane, 1,2-Dibromoethane, Bromoform
E2DB0DL

Acetone, 2-Butanone
E2DB2

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The relative percent difference (RPD) between the following volatile matrix spike and matrix spike duplicate recoveries is outside criteria. Hits in the unspiked sample E2DA7 is flagged "J" and non-detects are flagged "UJ".

E2DA7MS, E2DA7MSD
Benzene

7. FIELD BLANK AND FIELD DUPLICATE

Sample E2DA6 was identified as a trip blank. Sample E2DA6 contains acetone at 1.4 µg/L. Sample E2DB0 is a field duplicate of sample E2DA9. The results for samples are summarized in the following table.

Volatile Analytes	E2DA9 µg/L	E2DA9DL µg/L DF=10	E2DB0 µg/L	E2DB0DL µg/L DF=20
Vinyl Chloride	0.85		0.82	
1,1-Dichloroethene	2.7	3.8 J	4.4	8.4 J
Acetone			0.39 J	
Trans-1,2-Dichloroethene	4.1	4.5 J	4.0	4.2 J
1,1-Dichloroethane	78	83	78	110
Cis-1,2-Dichloroethene	150	150	150	200
2-Butanone				20 J
1,1,1-Trichloroethane	99	95	99	93
1,2-Dichloroethane	0.40 J		0.33 J	
Trichloroethene	19	18	19	20

Results are not qualified based upon the results of the field blanks or field duplicates.

8. INTERNAL STANDARDS

No defects found.

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all volatile compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E2DA5
Trichlorofluoromethane, Acetone, Methyl Tert-Butyl Ether, Chloroform, Benzene, Toluene, 1,4-Dichlorobenzene

E2DA5DL
1,1-Dichloroethene, Acetone

E2DA6, VHBLK01
Acetone

E2DA7
Acetone, 2-Hexanone

E2DA8
Chloroethane

E2DA8DL, E2DB2
2-Butanone

E2DA9
1,2-Dichloroethane

E2DA9DL
1,1-Dichloroethene, Trans-1,2-Dichloroethene

E2DB0
Acetone, 1,2-Dichloroethane

E2DB0DL
1,1-Dichloroethene, Trans-1,2-Dichloroethene, 2-Butanone

E2DB1
Toluene

VBLK95, VBLKT7, VBLKT9, VBLKU0
Methylene Chloride

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance.

12. ADDITIONAL INFORMATION

Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E2DA5, E2DA5DL, E2DA6, E2DA7, E2DA7MS, E2DA7MSD, E2DA8, E2DA8DL, E2DA9, E2DA9DL, E2DB0, E2DB0DL, E2DB1, E2DB2, E2DB3, VBLK81, VBLK95, VBLKT7, VBLKT9,VBLKU0, VHBLK01

The following samples have analytes with a concentration that exceeded the instrument's calibration range. The result from the diluted sample should be considered the analytes final concentration.

E2DA5 (1,1-Dichloroethene, 1,1-Dichloroethane, Cis-1,2-Dichloroethene, 1,1,1-Trichloroethane)

E2DA8 (1,1-Dichloroethene, Cis-1,2-Dichloroethene, 1,1,1-Trichloroethane, Trichloroethene, Tetrachloroethene)

E2DA9 (1,1-Dichloroethane, Cis-1,2-Dichloroethene, 1,1,1-Trichloroethane)

E2DB0 (1,1-Dichloroethane, Cis-1,2-Dichloroethene, 1,1,1-Trichloroethane)

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present.)

TICs

		Sample No	E2DA5
Sample Type	Routine Sample		
Lab ID.	A4	Location:	A7-MW-145
Case No	34309	Matrix/Level	Water/
SDG No.	E2DA5	File Name	E2DA5

CAS No	Compound Name	RT	Concentration (UG/L)	Q*
000103651	BENZENE, PROPYL-	12 59	6.8	JN
000108678	BENZENE, 1,3,5-TRIMETHYL-	12.77	7.2	JN
000611143	BENZENE, 1-ETHYL-2-METHYL-	12 98	13	JN
000108678	BENZENE, 1,3,5-TRIMETHYL-	13.15	55	JN
000135988	BENZENE, (1-METHYLPROPYL)-	13.32	3.1	JN
000527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	13.40	1.4	JN
000611154	BENZENE, 1-ETHENYL-2-METHYL-	13.75	13	JN
001074551	BENZENE, 1-METHYL-4-PROPYL-	13.98	1.8	JN
001758889	BENZENE, 2-ETHYL-1,4-DIMETHYL-	14.05	2.6	JN
000874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	14 13	3.3	JN
	UNKNOWN	14 24	5.0	J
000933982	BENZENE, 1-ETHYL-2,3-DIMETHYL-	14 40	2.3	JN
000527537	BENZENE, 1,2,3,5-TETRAMETHYL-	14 48	1.6	JN
000527537	BENZENE, 1,2,3,5-TETRAMETHYL-	14 52	3.9	JN
	UNKNOWN	14 90	4.1	J
000119642	NAPHTHALENE, 1,2,3,4-TETRAHYDRO-	15 07	1.5	JN

*Q· Laboratory Qualifier

		Sample No	E2DB3
Sample Type	Routine Sample		
Lab ID.	A4	Location:	A7-MW-122B
Case No	34309	Matrix/Level	Water/
SDG No	E2DA5	File Name.	E2DA5

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
000556672	CYCLOTETRASILOXANE, OCTAMETHYL-	11.96	0 70	JN

*Q. Laboratory Qualifier

		Sample No.	VHBLK01
Sample Type	Storage Blank		
Lab ID·	A4	Location·	
Case No	34309	Matrix/Level	Water/
SDG No .	E2DA5	File Name	E2DA5

CAS No	Compound Name	RT	Concentration (UG/L)	Q*
000556672	CYCLOTETRASILOXANE, OCTAMETHYL-	12.52	1.2	JN

*Q. Laboratory Qualifier

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2DA5
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 9

Sample Number :	E2DA5		E2DA5DL		E2DA6		E2DA7		E2DA7MS	
Sampling Location :	A7-MW-145		A7-MW-145		A7-TB-4		A7-MW-102B		A7-MW-102B	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/15/2005		6/15/2005		6/15/2005		6/15/2005		6/15/2005	
Time Sampled :	08:25		08:25		09:45		10:30		10:30	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		100.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.50	UJ	50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Chloromethane	0.50	U	50	U	0.50	U	0.50	U	0.50	U
Vinylchloride	0.50	UJ	50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Bromomethane	0.50	U	50	U	0.50	U	0.50	U	0.50	U
Chloroethane	0.50	UJ	50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Trichlorofluoromethane	0.44	J	50	UJ	0.50	UJ	0.50	UJ	0.50	U
1,1-Dichloroethene	0.67	J	88	UJ	0.50	UJ	0.50	UJ	0.51	J
1,1,2-Trichloro-1,2,2-trifluor	0.50	U	50	U	0.50	U	0.50	U	0.50	U
Acetone	0.97	J	410	J	1.4	J	0.87	J	5.0	J
Carbon Disulfide	0.50	U	50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	0.50	UJ	50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Methylene Chloride	0.50	U	50	U	0.50	U	0.50	U	0.50	UJ
trans-1,2-Dichloroethene	0.6	J	50	UJ	0.50	UJ	0.50	UJ	0.60	UJ
Methyl tert-Butyl Ether	0.41	J	50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	65	J	89	J	0.50	U	2.2	J	80	J
cis-1,2-Dichloroethene	1200		1200		0.50	U	3.6		5.1	
2-Butanone	5.0	UJ	500	UJ	5.0	UJ	5.0	UJ	5.0	UJ
Bromochloromethane	0.50	U	50	U	0.50	U	0.50	U	0.50	U
Chloroform	0.40	J	50	UJ	0.50	U	0.50	UJ	0.50	UJ
1,1,1-Trichloroethane	800		760		0.50	U	0.50	U	0.50	U
Cyclohexane	0.50	UJ	50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Carbon Tetrachloride	0.50	U	50	U	0.50	U	0.50	U	0.50	U
Benzene	0.22	J	50	UJ	0.50	UJ	0.50	UJ	0.62	J
1,2-Dichloroethane	1.2		50	U	0.50	U	0.71		1.0	
Trichloroethene	15	J	50	UJ	0.50	UJ	0.50	UJ	6.2	J
Methylcyclohexane	0.96		50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	UJ	50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Bromodichloromethane	0.50	U	50	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	UJ	50	UJ	0.50	UJ	0.50	UJ	0.50	UJ
4-Methyl-2-pentanone	5.0	U	500	U	5.0	U	5.0	U	5.0	U
Toluene	0.24	J	50	UJ	0.50	UJ	0.50	UJ	0.51	J
trans-1,3-Dichloropropene	0.50	U	50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.50	UJ	50	UJ	0.50	UJ	0.50	UJ	0.50	UJ

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2DA5
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Sample Number :	E2DA5		E2DA5DL		E2DA6		E2DA7		E2DA7MS	
Sampling Location :	A7-MW-145		A7-MW-145		A7-TB-4		A7-MW-102B		A7-MW-102B	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/15/2005		6/15/2005		6/15/2005		6/15/2005		6/15/2005	
Time Sampled :	08:25		08:25		09:45		10:30		10:30	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		100.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene	0.50	U	100	U	0.50	U	0.50	U	0.50	U
2-Hexanone	5.0	U	500	U	5.0	U	0.19	J	5.0	U
Dibromochloromethane	0.50	U	50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane	0.50	U	50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	50	U	0.50	U	0.50	U	0.50	U
Ethylbenzene	2.0		50	U	0.50	U	0.50	U	0.50	U
Xylenes (total)	2.5		50	U	0.50	U	0.50	U	0.50	U
Styrene	0.50	U	50	U	0.50	U	0.50	U	0.50	U
Bromoform	0.50	U	50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	1.6		50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U	50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	U	50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.69		50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U	50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.50	U	50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	U	50	U	0.50	U	0.50	U	0.50	U

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2DA5
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Sample Number :	E2DA7MSD		E2DA8		E2DA8DL		E2DA9		E2DA9DL	
Sampling Location :	A7-MW-102B		A7-MW-102C		A7-MW-102C		A7-MW-102A		A7-MW-102A	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/15/2005		6/15/2005		6/15/2005		6/15/2005		6/15/2005	
Time Sampled :	10:30		11:50		11:50		13:05		13:05	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		50.0		1.0		10.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.50	U	0.50	U	25	U	0.50	U	5.0	U
Chloromethane	0.50	U	0.50	U	25	U	0.50	U	5.0	U
Vinyl Chloride	0.50	U	0.50	U	25	U	0.85	U	5.0	U
Bromomethane	0.50	U	0.50	U	25	U	0.50	U	5.0	U
Chloroethane	0.50	U	0.25	U	25	U	0.50	U	5.0	U
Trichlorofluoromethane	0.50	U	0.50	U	25	U	0.50	UJ	5.0	UJ
1,1-Dichloroethene	5.8		0.50	U	43		2.7		3.8	
1,1,2-Trichloro-1,2,2-trifluor	0.50	U	0.50	U	25	U	0.50	U	5.0	U
Acetone	5.0	U	5.0	U	250	U	5.0	U	57	
Carbon Disulfide	0.50	U	0.50	U	25	U	0.50	U	5.0	U
Methyl Acetate	0.50	UJ	0.50	UJ	25	UJ	0.50	UJ	5.0	UJ
Methylene Chloride	0.50	UJ	0.50	UJ	25	UJ	0.87	U	5.0	U
trans-1,2-Dichloroethene	0.50	U	0.49		25	U	0.41	J	5.0	U
Methyl tert-Butyl Ether	0.50	U	0.50	U	25	U	0.50	U	5.0	U
1,1-Dichloroethane	5.3		2.0		80		7.8		8.6	
cis-1,2-Dichloroethene	5.3		700		600		150		150	
2-Butanone	5.0	U	5.0	U	250	U	5.0	U	50	U
Bromochloromethane	0.50	U	0.50	U	25	U	0.50	U	5.0	U
Chloroform	0.50	U	0.7		25	U	0.50	U	5.0	U
1,1,1-Trichloroethane	0.50	U	210		110		99		95	
Cyclohexane	0.50	U	0.50	U	25	U	0.50	U	5.0	U
Carbon Tetrachloride	0.50	U	0.50	U	25	U	0.50	U	5.0	U
Benzene	0.9		0.50	U	25	U	0.50	U	5.0	U
1,2-Dichloroethane	0.50	U	3.3		25	U	0.40	J	5.0	U
Trichloroethene	6.0		190		110		49		18	
Methylcyclohexane	0.50	U	0.50	U	25	U	0.50	U	5.0	U
1,2-Dichloropropane	0.50	U	0.50	U	25	U	0.50	U	5.0	U
Bromodichloromethane	0.50	U	0.50	U	25	U	0.50	U	5.0	U
cis-1,3-Dichloropropene	0.50	U	0.50	U	25	U	0.50	U	5.0	U
4-Methyl-2-pentanone	5.0	U	5.0	U	250	U	5.0	U	50	U
Toluene	0.8		0.50	U	25	U	0.50	U	5.0	U
trans-1,3-Dichloropropene	0.50	U	0.50	U	25	U	0.50	U	5.0	U
1,1,2-Trichloroethane	0.50	U	1.6		25	U	0.50	U	5.0	U

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2DA5
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Sample Number :	E2DA7MSD		E2DA8		E2DA8DL		E2DA9		E2DA9DL	
Sampling Location :	A7-MW-102B		A7-MW-102C		A7-MW-102C		A7-MW-102A		A7-MW-102A	
Matrix :	Water		Water		Water		Water		Water	
Units .	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/15/2005		6/15/2005		6/15/2005		6/15/2005		6/15/2005	
Time Sampled :	10:30		11:50		11:50		13:05		13:05	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		50.0		1.0		10.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2-Hexanone	5.0	U	5.0	U	250	U	5.0	U	50	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2-Dibromoethane	0.50	U	0.50	U	25	U	0.50	U	5.0	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ethylbenzene	0.50	U	0.50	U	25	U	0.50	U	5.0	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Styrene	0.50	U	0.50	U	25	U	0.50	U	5.0	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Isopropylbenzene	0.50	U	0.50	U	25	U	0.50	U	5.0	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,3-Dichlorobenzene	0.50	U	0.50	U	25	U	0.50	U	5.0	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2-Dichlorobenzene	0.50	U	0.50	U	25	U	0.50	U	5.0	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,2,4-Trichlorobenzene	0.50	U	0.50	U	25	U	0.50	U	5.0	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2DA5
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Sample Number :	E2DB0		E2DB0DL		E2DB1		E2DB2		E2DB3	
Sampling Location :	A7-MW-102AD		A7-MW-102AD		A7-R-2		A7-MW-122A		A7-MW-122B	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/15/2005		6/15/2005		6/15/2005		6/15/2005		6/15/2005	
Time Sampled :	13:05		13:05		13:25		15:10		16:10	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		20.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.50	UJ	10	U	0.50	U	0.50	U	0.50	U
Chloromethane	0.50	U	10	U	0.50	U	0.50	U	0.50	U
Vinyl Chloride	0.62	J	10	U	0.50	U	0.50	U	0.50	U
Bromomethane	0.50	U	10	U	0.50	U	0.50	U	0.50	U
Chloroethane	0.50	U	10	U	0.50	U	0.50	U	0.50	U
Trichlorofluoromethane	0.50	UJ	10	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene	14		84	U	0.50	U	1.094		0.50	U
1,1,2-Trichloro-1,2,2-trifluor	0.50	U	10	U	0.50	U	0.50	U	0.50	U
Acetone	0.89	U	100	U	5.2	U	5.0	U	5.0	U
Carbon Disulfide	0.50	U	10	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	0.50	U	10	UJ	0.50	UJ	0.50	UJ	0.50	UJ
Methylene Chloride	0.50	U	10	UJ	0.50	UJ	0.54	UJ	0.50	UJ
trans-1,2-Dichloroethene	10		42		0.50	U	0.51		0.50	U
Methyl tert-Butyl Ether	0.50	U	10	U	0.50	U	0.50	U	1.1	
1,1-Dichloroethane	78		110		0.50	U	5.3		1.1	
cis-1,2-Dichloroethene	150		200		0.50	U	6.4		3.0	
2-Butanone	5.0	U	100	U	5.0	U	0.99	J	5.0	U
Bromochloromethane	0.50	U	10	U	0.50	U	0.50	U	0.50	U
Chloroform	0.50	U	10	U	0.50	U	0.50	U	0.50	U
1,1,1-Trichloroethane	99		93		0.50	U	18		0.50	U
Cyclohexane	0.50	U	10	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.50	U	10	U	0.50	U	0.50	U	0.50	U
Benzene	0.50	U	10	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.33	J	10	U	0.50	U	0.50	U	0.50	U
Trichloroethene	19		20		0.50	U	4.0		0.50	U
Methylcyclohexane	0.50	U	10	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	U	10	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.50	U	10	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	U	10	U	0.50	U	0.50	U	0.50	U
4-Methyl-2-pentanone	5.0	U	100	U	5.0	U	5.0	U	5.0	U
Toluene	0.50	U	10	U	0.25	J	0.50	U	0.50	U
trans-1,3-Dichloropropene	0.50	U	10	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.50	U	10	U	0.50	U	0.50	U	0.50	U

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2DA5
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Sample Number :	E2DB0		E2DB0DL		E2DB1		E2DB2		E2DB3	
Sampling Location :	A7-MW-102AD		A7-MW-102AD		A7-R-2		A7-MW-122A		A7-MW-122B	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	6/15/2005		6/15/2005		6/15/2005		6/15/2005		6/15/2005	
Time Sampled :	13:05		13:05		13:25		15:10		16:10	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		20.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Methylene chloride	0.50	U	10	U	0.50	U	0.50	U	0.50	U
2-Hexanone	5.0	U	100	U	5.0	U	5.0	U	5.0	U
Bromodichloromethane	0.50	U	10	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane	0.50	U	10	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	10	U	0.50	U	0.50	U	0.50	U
Ethylbenzene	0.50	U	10	U	0.50	U	0.50	U	0.50	U
Xylenes (total)	0.50	U	10	U	0.50	U	0.50	U	0.50	U
Styrene	0.50	U	10	U	0.50	U	0.50	U	0.50	U
Bromoform	0.50	U	10	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	0.50	U	10	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U	10	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	10	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	U	10	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.50	U	10	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U	10	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.50	U	10	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	U	10	U	0.50	U	0.50	U	0.50	U

Case #: 34309 SDG . E2DA5
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Sample Number :	VBLKT7		VBLKT9		VBLKU0		VBLK81		VBLK95	
Sampling Location :										
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl Chloride	0.50	U	0.50	U	0.50	U	0.50	UJ	0.50	UJ
Bromomethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichlorofluoromethane	0.50	U	0.50	U	0.50	U	0.50	UJ	0.50	UJ
1,1-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-trifluor	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Acetone	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Disulfide	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl Acetate	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene Chloride	0.23	J	0.49	J	0.29	J	0.50	U	0.35	J
trans-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl tert-Butyl Ether	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
2-Butanone	5.0	U	5.0	U	5.0	U	5.0	UJ	5.0	U
Bromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,1-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon Tetrachloride	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Benzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
4-Methyl-2-pentanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Toluene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,3-Dichloropropene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2DA5
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Sample Number :	VBLKT7		VBLKT9		VBLKU0		VBLK81		VBLK95	
Sampling Location :										
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
2-Hexanone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Dibromochloromethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Ethylbenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Xylenes (total)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2DA5
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Sample Number :	VHBLK01									
Sampling Location :										
Matrix :	Water									
Units :	ug/L									
Date Sampled :										
Time Sampled :										
%Moisture :	N/A									
pH :										
Dilution Factor :	1.0									
Volatile Compound	**Result**	**Flag**	**Result**	**Flag**	**Result**	**Flag**	**Result**	**Flag**	**Result**	**Flag**
Dichlorodifluoromethane	0.50	U								
Chloromethane	0.50	U								
Vinyl Chloride	0.50	U								
Bromomethane	0.50	U								
Chloroethane	0.50	U								
Trichlorofluoromethane	0.50	UJ								
1,1-Dichloroethene	0.50	U								
1,1,2-Trichloro-1,2,2-trifluor	0.50	U								
Acetone	5.0	U								
Carbon Disulfide	0.50	U								
Methyl Acetate	0.50	U								
Methylene Chloride	0.50	U								
trans-1,2-Dichloroethene	0.50	U								
Methyl tert-Butyl Ether	0.50	U								
1,1-Dichloroethane	0.50	U								
cis-1,2-Dichloroethene	0.50	U								
2-Butanone	5.0	U								
Bromochloromethane	0.50	U								
Chloroform	0.50	U								
1,1,1-Trichloroethane	0.50	U								
Cyclohexane	0.50	U								
Carbon Tetrachloride	0.50	U								
Benzene	0.50	U								
1,2-Dichloroethane	0.50	U								
Trichloroethene	0.50	U								
Methylcyclohexane	0.50	U								
1,2-Dichloropropane	0.50	U								
Bromodichloromethane	0.50	U								
cis-1,3-Dichloropropene	0.50	U								
4-Methyl-2-pentanone	5.0	U								
Toluene	0.50	U								
trans-1,3-Dichloropropene	0.50	U								
1,1,2-Trichloroethane	0.50	U								

Analytical Results (Qualified Data)

Case #: 34309 SDG : E2DA5
Site : ROCKFORD GROUNDWATER
Lab. : A4
Reviewer :
Date :

Sample Number :	VHBLK01									
Sampling Location :										
Matrix :	Water									
Units :	ug/L									
Date Sampled :										
Time Sampled :										
%Moisture :	N/A									
pH :										
Dilution Factor :	1.0									
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene	0.50	U								
2-Hexanone	5.0	U								
Dibromochloromethane	0.50	U								
1,2-Dibromoethane	0.50	U								
Chlorobenzene	0.50	U								
Ethylbenzene	0.50	U								
m/p-Xylene	0.50	U								
Styrene	0.50	U								
Bromoform	0.50	U								
Isopropylbenzene	0.50	U								
1,1,2,2-Tetrachloroethane	0.50	U								
1,3-Dichlorobenzene	0.50	U								
1,4-Dichlorobenzene	0.50	U								
1,2-Dichlorobenzene	0.50	U								
1,2-Dibromo-3-chloropropane	0.50	U								
1,2,4-Trichlorobenzene	0.50	U								
1,2,3-Trichlorobenzene	0.50	U								