



DIVISION OF LABORATORY SERVICES

Jackson Regional Laboratory
295 Summar Drive
Jackson, TN 38301
731-426-0686

Shelby County Laboratory
814 Jefferson Avenue
Memphis, TN 38105
901-544-7555

Knoxville Regional Laboratory
2101 Medical Center Way
Knoxville, TN 37920
865-549-5201

Nashville Central Laboratory
630 Hart Lane
Nashville, TN 37243
615-262-6300

Sent To: Patrick Mulligan
TDEC-SWM
CHATTANOOGA FIELD
OFFICE
540 McCALLIE AVE. SUITE
550
CHATTANOOGA, TN 37402

Lab ID: K00008198
Knoxville Regional Laboratory

Sampling Agency: TDEC: Division of Solid Waste Management

DF - Dilution Factor
J - Estimated value between MDL and MQL
MDL - Method Detection Limit
MQL - Method Quantitation Limit
U - Undetected



TDEC-SWM.K00008198.O

This is to certify that the following results were determined using
good laboratory practices and in accordance with federal or state
approved methodologies.

Luz M. Otero 12/2/14
Analytical Supervisor

Amended Report

Lab-Sample Number: K00008198001
Project Name:
Sample Description: Trip Blank

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: Blank
Date/Time Collected: 11/21/2014 08:54
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
1,1,1,2-Tetrachloroethane	630-20-6	U	µg/L	0.18 5.0	1
1,1,1-Trichloroethane	71-55-6	U	µg/L	0.14 5.0	1
1,1,2,2-Tetrachloroethane	79-34-5	U	µg/L	0.21 5.0	1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	U	µg/L	0.13 5.0	1
1,1,2-Trichloroethane	79-00-5	U	µg/L	0.37 5.0	1
1,1-Dichloroethane	75-34-3	U	µg/L	0.16 5.0	1
1,1-Dichloroethene	75-35-4	U	µg/L	0.14 5.0	1
1,1-Dichloropropene	563-58-6	U	µg/L	0.17 5.0	1
1,2,3-Trichlorobenzene	87-61-6	U	µg/L	0.23 5.0	1
1,2,3-Trichloropropane	96-18-4	U	µg/L	0.28 5.0	1
1,2,4-Trichlorobenzene	120-82-1	U	µg/L	0.24 5.0	1
1,2,4-Trimethylbenzene	95-63-6	U	µg/L	0.10 5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	U	µg/L	1.3 5.0	1
1,2-Dibromoethane(EDB)	106-93-4	U	µg/L	0.35 5.0	1
1,2-Dichlorobenzene	95-50-1	U	µg/L	0.22 5.0	1
1,2-Dichloroethane	107-06-2	U	µg/L	0.39 5.0	1
1,2-Dichloropropane	78-87-5	U	µg/L	0.44 5.0	1
1,3,5-Trimethylbenzene	108-67-8	U	µg/L	0.16 5.0	1
1,3-Dichlorobenzene	541-73-1	U	µg/L	0.19 5.0	1
1,3-Dichloropropane	142-28-9	U	µg/L	0.16 5.0	1
1,4-Dichlorobenzene	106-46-7	U	µg/L	0.54 5.0	1
2,2-Dichloropropane	594-20-7	U	µg/L	0.11 5.0	1
2-Butanone (MEK)	78-93-3	U	µg/L	1.5 25	1
2-Chloroethylvinyl ether	110-75-8	U	µg/L	4.2 20	1
2-Chlorotoluene	95-49-8	U	µg/L	0.36 5.0	1
2-Hexanone	591-78-6	U	µg/L	0.73 25	1
4-Chlorotoluene	106-43-4	U	µg/L	0.20 5.0	1
4-Isopropyltoluene	99-87-6	U	µg/L	0.19 5.0	1
4-Methyl-2-pentanone	108-10-1	U	µg/L	0.64 25	1
Acetone	67-64-1	U	µg/L	6.4 25	1
Acrolein	107-02-8	U	µg/L	4.9 25	1

Lab-Sample Number: K00008198001
Project Name:
Sample Description: Trip Blank

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: Blank
Date/Time Collected: 11/21/2014 08:54
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
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TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
Acrylonitrile	107-13-1	U	µg/L	1.4 20	1
Benzene	71-43-2	U	µg/L	0.82 5.0	1
Bromobenzene	108-86-1	U	µg/L	0.18 5.0	1
Bromochloromethane	74-97-5	U	µg/L	0.16 5.0	1
Bromodichloromethane	75-27-4	U	µg/L	0.16 5.0	1
Bromoform	75-25-2	U	µg/L	0.17 5.0	1
Bromomethane	74-83-9	U	µg/L	1.5 5.0	1
Carbon disulfide	75-15-0	U	µg/L	0.78 5.0	1
Carbon tetrachloride	56-23-5	U	µg/L	0.12 5.0	1
Chlorobenzene	108-90-7	U	µg/L	0.16 5.0	1
Chloroethane	75-00-3	U	µg/L	0.89 5.0	1
Chloroform	67-66-3	U	µg/L	0.13 5.0	1
Chloromethane	74-87-3	U	µg/L	1.1 5.0	1
cis-1,2-Dichloroethene	156-59-2	U	µg/L	0.13 5.0	1
cis-1,3-Dichloropropene	10061-01-5	U	µg/L	0.16 5.0	1
Cyclohexane	110-82-7	U	µg/L	0.51 5.0	1
Dibromochloromethane	124-48-1	U	µg/L	0.21 5.0	1
Dibromomethane	74-95-3	U	µg/L	0.78 5.0	1
Dichlorodifluoromethane	75-71-8	U	µg/L	0.21 5.0	1
Diisopropyl ether	108-20-3	U	µg/L	0.16 5.0	1
Ethylbenzene	100-41-4	U	µg/L	0.15 5.0	1
Hexachlorobutadiene	87-68-3	U	µg/L	2.5 5.0	1
Isopropylbenzene	98-82-8	U	µg/L	0.20 5.0	1
m&p-xylene	1330-20-7	U	µg/L	0.31 5.0	1
Methyl acetate	79-20-9	U	µg/L	0.47 5.0	1
Methyl cyclohexane		U	µg/L	0.13 5.0	1
Methylene chloride	75-09-2	U	µg/L	0.17 5.0	1
Methyl-t-butyl ether	1634-04-4	U	µg/L	0.15 5.0	1
Naphthalene	91-20-3	U	µg/L	0.19 5.0	1
n-Butylbenzene	104-51-8	U	µg/L	0.18 5.0	1
n-Propylbenzene	103-65-1	U	µg/L	0.15 5.0	1

Lab-Sample Number: K00008198001
Project Name:
Sample Description: Trip Blank

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: Blank
Date/Time Collected: 11/21/2014 08:54
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
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TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
o-Xylene	95-47-6	U	µg/L	0.10 5.0	1
sec-Butylbenzene	135-98-8	U	µg/L	0.16 5.0	1
Styrene	100-42-5	U	µg/L	0.14 5.0	1
tert-Butylbenzene	98-06-6	U	µg/L	0.19 5.0	1
Tetrachloroethene	127-18-4	U	µg/L	0.21 5.0	1
Toluene	108-88-3	U	µg/L	0.11 5.0	1
trans-1,2-Dichloroethene	156-60-5	U	µg/L	0.13 5.0	1
trans-1,3-Dichloropropene	10061-02-6	U	µg/L	0.16 5.0	1
Trichloroethene	79-01-6	U	µg/L	0.23 5.0	1
Trichlorofluoromethane	75-69-4	U	µg/L	1.4 5.0	1
Vinyl acetate	108-05-4	U	µg/L	0.23 5.0	1
Vinyl chloride	75-01-4	U	µg/L	0.15 5.0	1

Lab-Sample Number: K00008198002
Project Name:
Sample Description: Landfill Sediment Pond

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: S-2 Pond
Date/Time Collected: 11/21/2014 10:00
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
1,1,1,2-Tetrachloroethane	630-20-6	U	µg/L	0.18 5.0	1
1,1,1-Trichloroethane	71-55-6	U	µg/L	0.14 5.0	1
1,1,2,2-Tetrachloroethane	79-34-5	U	µg/L	0.21 5.0	1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	U	µg/L	0.13 5.0	1
1,1,2-Trichloroethane	79-00-5	U	µg/L	0.37 5.0	1
1,1-Dichloroethane	75-34-3	U	µg/L	0.16 5.0	1
1,1-Dichloroethene	75-35-4	U	µg/L	0.14 5.0	1
1,1-Dichloropropene	563-58-6	U	µg/L	0.17 5.0	1
1,2,3-Trichlorobenzene	87-61-6	U	µg/L	0.23 5.0	1
1,2,3-Trichloropropane	96-18-4	U	µg/L	0.28 5.0	1
1,2,4-Trichlorobenzene	120-82-1	U	µg/L	0.24 5.0	1
1,2,4-Trimethylbenzene	95-63-6	U	µg/L	0.10 5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	U	µg/L	1.3 5.0	1
1,2-Dibromoethane(EDB)	106-93-4	U	µg/L	0.35 5.0	1
1,2-Dichlorobenzene	95-50-1	U	µg/L	0.22 5.0	1
1,2-Dichloroethane	107-06-2	U	µg/L	0.39 5.0	1
1,2-Dichloropropane	78-87-5	U	µg/L	0.44 5.0	1
1,3,5-Trimethylbenzene	108-67-8	U	µg/L	0.16 5.0	1
1,3-Dichlorobenzene	541-73-1	U	µg/L	0.19 5.0	1
1,3-Dichloropropane	142-28-9	U	µg/L	0.16 5.0	1
1,4-Dichlorobenzene	106-46-7	U	µg/L	0.54 5.0	1
2,2-Dichloropropane	594-20-7	U	µg/L	0.11 5.0	1
2-Butanone (MEK)	78-93-3	U	µg/L	1.5 25	1
2-Chloroethylvinyl ether	110-75-8	U	µg/L	4.2 20	1
2-Chlorotoluene	95-49-8	U	µg/L	0.36 5.0	1
2-Hexanone	591-78-6	U	µg/L	0.73 25	1
4-Chlorotoluene	106-43-4	U	µg/L	0.20 5.0	1
4-Isopropyltoluene	99-87-6	U	µg/L	0.19 5.0	1
4-Methyl-2-pentanone	108-10-1	U	µg/L	0.64 25	1
Acetone	67-64-1	U	µg/L	6.4 25	1
Acrolein	107-02-8	U	µg/L	4.9 25	1

Lab-Sample Number: K00008198002
Project Name:
Sample Description: Landfill Sediment Pond

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: S-2 Pond
Date/Time Collected: 11/21/2014 10:00
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

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TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
Acrylonitrile	107-13-1	U	µg/L	1.4 20	1
Benzene	71-43-2	U	µg/L	0.82 5.0	1
Bromobenzene	108-86-1	U	µg/L	0.18 5.0	1
Bromochloromethane	74-97-5	U	µg/L	0.16 5.0	1
Bromodichloromethane	75-27-4	U	µg/L	0.16 5.0	1
Bromoform	75-25-2	U	µg/L	0.17 5.0	1
Bromomethane	74-83-9	U	µg/L	1.5 5.0	1
Carbon disulfide	75-15-0	U	µg/L	0.78 5.0	1
Carbon tetrachloride	56-23-5	U	µg/L	0.12 5.0	1
Chlorobenzene	108-90-7	U	µg/L	0.16 5.0	1
Chloroethane	75-00-3	U	µg/L	0.89 5.0	1
Chloroform	67-66-3	U	µg/L	0.13 5.0	1
Chloromethane	74-87-3	U	µg/L	1.1 5.0	1
cis-1,2-Dichloroethene	156-59-2	U	µg/L	0.13 5.0	1
cis-1,3-Dichloropropene	10061-01-5	U	µg/L	0.16 5.0	1
Cyclohexane	110-82-7	U	µg/L	0.51 5.0	1
Dibromochloromethane	124-48-1	U	µg/L	0.21 5.0	1
Dibromomethane	74-95-3	U	µg/L	0.78 5.0	1
Dichlorodifluoromethane	75-71-8	U	µg/L	0.21 5.0	1
Diisopropyl ether	108-20-3	U	µg/L	0.16 5.0	1
Ethylbenzene	100-41-4	U	µg/L	0.15 5.0	1
Hexachlorobutadiene	87-68-3	U	µg/L	2.5 5.0	1
Isopropylbenzene	98-82-8	U	µg/L	0.20 5.0	1
m&p-xylene	1330-20-7	U	µg/L	0.31 5.0	1
Methyl acetate	79-20-9	U	µg/L	0.47 5.0	1
Methyl cyclohexane		U	µg/L	0.13 5.0	1
Methylene chloride	75-09-2	U	µg/L	0.17 5.0	1
Methyl-t-butyl ether	1634-04-4	U	µg/L	0.15 5.0	1
Naphthalene	91-20-3	U	µg/L	0.19 5.0	1
n-Butylbenzene	104-51-8	U	µg/L	0.18 5.0	1
n-Propylbenzene	103-65-1	U	µg/L	0.15 5.0	1

Lab-Sample Number: K00008198002
Project Name:
Sample Description: Landfill Sediment Pond

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: S-2 Pond
Date/Time Collected: 11/21/2014 10:00
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
o-Xylene	95-47-6	U	µg/L	0.10 5.0	1
sec-Butylbenzene	135-98-8	U	µg/L	0.16 5.0	1
Styrene	100-42-5	U	µg/L	0.14 5.0	1
tert-Butylbenzene	98-06-6	U	µg/L	0.19 5.0	1
Tetrachloroethene	127-18-4	U	µg/L	0.21 5.0	1
Toluene	108-88-3	U	µg/L	0.11 5.0	1
trans-1,2-Dichloroethene	156-60-5	U	µg/L	0.13 5.0	1
trans-1,3-Dichloropropene	10061-02-6	U	µg/L	0.16 5.0	1
Trichloroethene	79-01-6	U	µg/L	0.23 5.0	1
Trichlorofluoromethane	75-69-4	U	µg/L	1.4 5.0	1
Vinyl acetate	108-05-4	U	µg/L	0.23 5.0	1
Vinyl chloride	75-01-4	U	µg/L	0.15 5.0	1

Lab-Sample Number: K00008198003
Project Name:
Sample Description: Leachate from seeps on landfill

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: S-1 Leachate
Date/Time Collected: 11/21/2014 10:26
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
1,1,1,2-Tetrachloroethane	630-20-6	U	µg/L	0.18 5.0	1
1,1,1-Trichloroethane	71-55-6	U	µg/L	0.14 5.0	1
1,1,2,2-Tetrachloroethane	79-34-5	U	µg/L	0.21 5.0	1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	U	µg/L	0.13 5.0	1
1,1,2-Trichloroethane	79-00-5	U	µg/L	0.37 5.0	1
1,1-Dichloroethane	75-34-3	U	µg/L	0.16 5.0	1
1,1-Dichloroethene	75-35-4	U	µg/L	0.14 5.0	1
1,1-Dichloropropene	563-58-6	U	µg/L	0.17 5.0	1
1,2,3-Trichlorobenzene	87-61-6	U	µg/L	0.23 5.0	1
1,2,3-Trichloropropane	96-18-4	U	µg/L	0.28 5.0	1
1,2,4-Trichlorobenzene	120-82-1	U	µg/L	0.24 5.0	1
1,2,4-Trimethylbenzene	95-63-6	4.64J	µg/L	0.10 5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	U	µg/L	1.3 5.0	1
1,2-Dibromoethane(EDB)	106-93-4	U	µg/L	0.35 5.0	1
1,2-Dichlorobenzene	95-50-1	U	µg/L	0.22 5.0	1
1,2-Dichloroethane	107-06-2	U	µg/L	0.39 5.0	1
1,2-Dichloropropane	78-87-5	U	µg/L	0.44 5.0	1
1,3,5-Trimethylbenzene	108-67-8	1.73J	µg/L	0.16 5.0	1
1,3-Dichlorobenzene	541-73-1	U	µg/L	0.19 5.0	1
1,3-Dichloropropane	142-28-9	U	µg/L	0.16 5.0	1
1,4-Dichlorobenzene	106-46-7	2.04J	µg/L	0.54 5.0	1
2,2-Dichloropropane	594-20-7	U	µg/L	0.11 5.0	1
2-Butanone (MEK)	78-93-3	U	µg/L	1.5 25	1
2-Chloroethylvinyl ether	110-75-8	U	µg/L	4.2 20	1
2-Chlorotoluene	95-49-8	U	µg/L	0.36 5.0	1
2-Hexanone	591-78-6	U	µg/L	0.73 25	1
4-Chlorotoluene	106-43-4	U	µg/L	0.20 5.0	1
4-Isopropyltoluene	99-87-6	U	µg/L	0.19 5.0	1
4-Methyl-2-pentanone	108-10-1	U	µg/L	0.64 25	1
Acetone	67-64-1	U	µg/L	6.4 25	1
Acrolein	107-02-8	U	µg/L	4.9 25	1

Lab-Sample Number: K00008198003
Project Name:
Sample Description: Leachate from seeps on landfill

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: S-1 Leachate
Date/Time Collected: 11/21/2014 10:26
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
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Agency Invoiced: TDEC-SWM
Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
Acrylonitrile	107-13-1	U	µg/L	1.4 20	1
Benzene	71-43-2	U	µg/L	0.82 5.0	1
Bromobenzene	108-86-1	U	µg/L	0.18 5.0	1
Bromochloromethane	74-97-5	U	µg/L	0.16 5.0	1
Bromodichloromethane	75-27-4	U	µg/L	0.16 5.0	1
Bromoform	75-25-2	U	µg/L	0.17 5.0	1
Bromomethane	74-83-9	U	µg/L	1.5 5.0	1
Carbon disulfide	75-15-0	U	µg/L	0.78 5.0	1
Carbon tetrachloride	56-23-5	U	µg/L	0.12 5.0	1
Chlorobenzene	108-90-7	U	µg/L	0.16 5.0	1
Chloroethane	75-00-3	U	µg/L	0.89 5.0	1
Chloroform	67-66-3	U	µg/L	0.13 5.0	1
Chloromethane	74-87-3	U	µg/L	1.1 5.0	1
cis-1,2-Dichloroethene	156-59-2	U	µg/L	0.13 5.0	1
cis-1,3-Dichloropropene	10061-01-5	U	µg/L	0.16 5.0	1
Cyclohexane	110-82-7	U	µg/L	0.51 5.0	1
Dibromochloromethane	124-48-1	U	µg/L	0.21 5.0	1
Dibromomethane	74-95-3	U	µg/L	0.78 5.0	1
Dichlorodifluoromethane	75-71-8	U	µg/L	0.21 5.0	1
Diisopropyl ether	108-20-3	U	µg/L	0.16 5.0	1
Ethylbenzene	100-41-4	79.3	µg/L	0.15 5.0	1
Hexachlorobutadiene	87-68-3	U	µg/L	2.5 5.0	1
Isopropylbenzene	98-82-8	U	µg/L	0.20 5.0	1
m&p-xylene	1330-20-7	51.0	µg/L	0.31 5.0	1
Methyl acetate	79-20-9	U	µg/L	0.47 5.0	1
Methyl cyclohexane		U	µg/L	0.13 5.0	1
Methylene chloride	75-09-2	U	µg/L	0.17 5.0	1
Methyl-t-butyl ether	1634-04-4	U	µg/L	0.15 5.0	1
Naphthalene	91-20-3	3.86J	µg/L	0.19 5.0	1
n-Butylbenzene	104-51-8	U	µg/L	0.18 5.0	1
n-Propylbenzene	103-65-1	U	µg/L	0.15 5.0	1

Lab-Sample Number: K00008198003
Project Name:
Sample Description: Leachate from seeps on landfill

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: S-1 Leachate
Date/Time Collected: 11/21/2014 10:26
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
o-Xylene	95-47-6	20.0	µg/L	0.10 5.0	1
sec-Butylbenzene	135-98-8	U	µg/L	0.16 5.0	1
Styrene	100-42-5	U	µg/L	0.14 5.0	1
tert-Butylbenzene	98-06-6	U	µg/L	0.19 5.0	1
Tetrachloroethene	127-18-4	U	µg/L	0.21 5.0	1
Toluene	108-88-3	2.24J	µg/L	0.11 5.0	1
trans-1,2-Dichloroethene	156-60-5	U	µg/L	0.13 5.0	1
trans-1,3-Dichloropropene	10061-02-6	U	µg/L	0.16 5.0	1
Trichloroethene	79-01-6	U	µg/L	0.23 5.0	1
Trichlorofluoromethane	75-69-4	U	µg/L	1.4 5.0	1
Vinyl acetate	108-05-4	U	µg/L	0.23 5.0	1
Vinyl chloride	75-01-4	U	µg/L	0.15 5.0	1

Lab-Sample Number: K00008198004
Project Name:
Sample Description: Residential Well

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: R-1 Johnson
Date/Time Collected: 11/21/2014 11:32
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
1,1,1,2-Tetrachloroethane	630-20-6	U	µg/L	0.18 5.0	1
1,1,1-Trichloroethane	71-55-6	U	µg/L	0.14 5.0	1
1,1,2,2-Tetrachloroethane	79-34-5	U	µg/L	0.21 5.0	1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	U	µg/L	0.13 5.0	1
1,1,2-Trichloroethane	79-00-5	U	µg/L	0.37 5.0	1
1,1-Dichloroethane	75-34-3	U	µg/L	0.16 5.0	1
1,1-Dichloroethene	75-35-4	U	µg/L	0.14 5.0	1
1,1-Dichloropropene	563-58-6	U	µg/L	0.17 5.0	1
1,2,3-Trichlorobenzene	87-61-6	U	µg/L	0.23 5.0	1
1,2,3-Trichloropropane	96-18-4	U	µg/L	0.28 5.0	1
1,2,4-Trichlorobenzene	120-82-1	U	µg/L	0.24 5.0	1
1,2,4-Trimethylbenzene	95-63-6	U	µg/L	0.10 5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	U	µg/L	1.3 5.0	1
1,2-Dibromoethane(EDB)	106-93-4	U	µg/L	0.35 5.0	1
1,2-Dichlorobenzene	95-50-1	U	µg/L	0.22 5.0	1
1,2-Dichloroethane	107-06-2	U	µg/L	0.39 5.0	1
1,2-Dichloropropane	78-87-5	U	µg/L	0.44 5.0	1
1,3,5-Trimethylbenzene	108-67-8	U	µg/L	0.16 5.0	1
1,3-Dichlorobenzene	541-73-1	U	µg/L	0.19 5.0	1
1,3-Dichloropropane	142-28-9	U	µg/L	0.16 5.0	1
1,4-Dichlorobenzene	106-46-7	U	µg/L	0.54 5.0	1
2,2-Dichloropropane	594-20-7	U	µg/L	0.11 5.0	1
2-Butanone (MEK)	78-93-3	U	µg/L	1.5 25	1
2-Chloroethylvinyl ether	110-75-8	U	µg/L	4.2 20	1
2-Chlorotoluene	95-49-8	U	µg/L	0.36 5.0	1
2-Hexanone	591-78-6	U	µg/L	0.73 25	1
4-Chlorotoluene	106-43-4	U	µg/L	0.20 5.0	1
4-Isopropyltoluene	99-87-6	U	µg/L	0.19 5.0	1
4-Methyl-2-pentanone	108-10-1	U	µg/L	0.64 25	1
Acetone	67-64-1	U	µg/L	6.4 25	1
Acrolein	107-02-8	U	µg/L	4.9 25	1

Lab-Sample Number: K00008198004
Project Name:
Sample Description: Residential Well

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: R-1 Johnson
Date/Time Collected: 11/21/2014 11:32
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
Acrylonitrile	107-13-1	U	µg/L	1.4 20	1
Benzene	71-43-2	U	µg/L	0.82 5.0	1
Bromobenzene	108-86-1	U	µg/L	0.18 5.0	1
Bromochloromethane	74-97-5	U	µg/L	0.16 5.0	1
Bromodichloromethane	75-27-4	U	µg/L	0.16 5.0	1
Bromoform	75-25-2	U	µg/L	0.17 5.0	1
Bromomethane	74-83-9	U	µg/L	1.5 5.0	1
Carbon disulfide	75-15-0	U	µg/L	0.78 5.0	1
Carbon tetrachloride	56-23-5	U	µg/L	0.12 5.0	1
Chlorobenzene	108-90-7	U	µg/L	0.16 5.0	1
Chloroethane	75-00-3	U	µg/L	0.89 5.0	1
Chloroform	67-66-3	U	µg/L	0.13 5.0	1
Chloromethane	74-87-3	U	µg/L	1.1 5.0	1
cis-1,2-Dichloroethene	156-59-2	U	µg/L	0.13 5.0	1
cis-1,3-Dichloropropene	10061-01-5	U	µg/L	0.16 5.0	1
Cyclohexane	110-82-7	U	µg/L	0.51 5.0	1
Dibromochloromethane	124-48-1	U	µg/L	0.21 5.0	1
Dibromomethane	74-95-3	U	µg/L	0.78 5.0	1
Dichlorodifluoromethane	75-71-8	U	µg/L	0.21 5.0	1
Diisopropyl ether	108-20-3	U	µg/L	0.16 5.0	1
Ethylbenzene	100-41-4	U	µg/L	0.15 5.0	1
Hexachlorobutadiene	87-68-3	U	µg/L	2.5 5.0	1
Isopropylbenzene	98-82-8	U	µg/L	0.20 5.0	1
m&p-xylene	1330-20-7	U	µg/L	0.31 5.0	1
Methyl acetate	79-20-9	U	µg/L	0.47 5.0	1
Methyl cyclohexane		U	µg/L	0.13 5.0	1
Methylene chloride	75-09-2	U	µg/L	0.17 5.0	1
Methyl-t-butyl ether	1634-04-4	U	µg/L	0.15 5.0	1
Naphthalene	91-20-3	U	µg/L	0.19 5.0	1
n-Butylbenzene	104-51-8	U	µg/L	0.18 5.0	1
n-Propylbenzene	103-65-1	U	µg/L	0.15 5.0	1

Lab-Sample Number: K00008198004
Project Name:
Sample Description: Residential Well

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: R-1 Johnson
Date/Time Collected: 11/21/2014 11:32
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
o-Xylene	95-47-6	U	µg/L	0.10 5.0	1
sec-Butylbenzene	135-98-8	U	µg/L	0.16 5.0	1
Styrene	100-42-5	U	µg/L	0.14 5.0	1
tert-Butylbenzene	98-06-6	U	µg/L	0.19 5.0	1
Tetrachloroethene	127-18-4	U	µg/L	0.21 5.0	1
Toluene	108-88-3	U	µg/L	0.11 5.0	1
trans-1,2-Dichloroethene	156-60-5	U	µg/L	0.13 5.0	1
trans-1,3-Dichloropropene	10061-02-6	U	µg/L	0.16 5.0	1
Trichloroethene	79-01-6	U	µg/L	0.23 5.0	1
Trichlorofluoromethane	75-69-4	U	µg/L	1.4 5.0	1
Vinyl acetate	108-05-4	U	µg/L	0.23 5.0	1
Vinyl chloride	75-01-4	U	µg/L	0.15 5.0	1

Lab-Sample Number: K00008198005
Project Name:
Sample Description: Residential well

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: R-2 Hines
Date/Time Collected: 11/21/2014 12:06
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: L Maderal	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
1,1,1,2-Tetrachloroethane	630-20-6	U	µg/L	0.18 5.0	1
1,1,1-Trichloroethane	71-55-6	U	µg/L	0.14 5.0	1
1,1,2,2-Tetrachloroethane	79-34-5	U	µg/L	0.21 5.0	1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	U	µg/L	0.13 5.0	1
1,1,2-Trichloroethane	79-00-5	U	µg/L	0.37 5.0	1
1,1-Dichloroethane	75-34-3	U	µg/L	0.16 5.0	1
1,1-Dichloroethene	75-35-4	U	µg/L	0.14 5.0	1
1,1-Dichloropropene	563-58-6	U	µg/L	0.17 5.0	1
1,2,3-Trichlorobenzene	87-61-6	U	µg/L	0.23 5.0	1
1,2,3-Trichloropropane	96-18-4	U	µg/L	0.28 5.0	1
1,2,4-Trichlorobenzene	120-82-1	U	µg/L	0.24 5.0	1
1,2,4-Trimethylbenzene	95-63-6	U	µg/L	0.10 5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	U	µg/L	1.3 5.0	1
1,2-Dibromoethane(EDB)	106-93-4	U	µg/L	0.35 5.0	1
1,2-Dichlorobenzene	95-50-1	U	µg/L	0.22 5.0	1
1,2-Dichloroethane	107-06-2	U	µg/L	0.39 5.0	1
1,2-Dichloropropane	78-87-5	U	µg/L	0.44 5.0	1
1,3,5-Trimethylbenzene	108-67-8	U	µg/L	0.16 5.0	1
1,3-Dichlorobenzene	541-73-1	U	µg/L	0.19 5.0	1
1,3-Dichloropropane	142-28-9	U	µg/L	0.16 5.0	1
1,4-Dichlorobenzene	106-46-7	U	µg/L	0.54 5.0	1
2,2-Dichloropropane	594-20-7	U	µg/L	0.11 5.0	1
2-Butanone (MEK)	78-93-3	U	µg/L	1.5 25	1
2-Chloroethylvinyl ether	110-75-8	U	µg/L	4.2 20	1
2-Chlorotoluene	95-49-8	U	µg/L	0.36 5.0	1
2-Hexanone	591-78-6	U	µg/L	0.73 25	1
4-Chlorotoluene	106-43-4	U	µg/L	0.20 5.0	1
4-Isopropyltoluene	99-87-6	U	µg/L	0.19 5.0	1
4-Methyl-2-pentanone	108-10-1	U	µg/L	0.64 25	1
Acetone	67-64-1	U	µg/L	6.4 25	1
Acrolein	107-02-8	U	µg/L	4.9 25	1

Lab-Sample Number: K00008198005
Project Name:
Sample Description: Residential well

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: R-2 Hines
Date/Time Collected: 11/21/2014 12:06
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: L Maderal	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
Acrylonitrile	107-13-1	U	µg/L	1.4 20	1
Benzene	71-43-2	U	µg/L	0.82 5.0	1
Bromobenzene	108-86-1	U	µg/L	0.18 5.0	1
Bromochloromethane	74-97-5	U	µg/L	0.16 5.0	1
Bromodichloromethane	75-27-4	U	µg/L	0.16 5.0	1
Bromoform	75-25-2	U	µg/L	0.17 5.0	1
Bromomethane	74-83-9	U	µg/L	1.5 5.0	1
Carbon disulfide	75-15-0	U	µg/L	0.78 5.0	1
Carbon tetrachloride	56-23-5	U	µg/L	0.12 5.0	1
Chlorobenzene	108-90-7	U	µg/L	0.16 5.0	1
Chloroethane	75-00-3	U	µg/L	0.89 5.0	1
Chloroform	67-66-3	U	µg/L	0.13 5.0	1
Chloromethane	74-87-3	U	µg/L	1.1 5.0	1
cis-1,2-Dichloroethene	156-59-2	U	µg/L	0.13 5.0	1
cis-1,3-Dichloropropene	10061-01-5	U	µg/L	0.16 5.0	1
Cyclohexane	110-82-7	U	µg/L	0.51 5.0	1
Dibromochloromethane	124-48-1	U	µg/L	0.21 5.0	1
Dibromomethane	74-95-3	U	µg/L	0.78 5.0	1
Dichlorodifluoromethane	75-71-8	U	µg/L	0.21 5.0	1
Diisopropyl ether	108-20-3	U	µg/L	0.16 5.0	1
Ethylbenzene	100-41-4	U	µg/L	0.15 5.0	1
Hexachlorobutadiene	87-68-3	U	µg/L	2.5 5.0	1
Isopropylbenzene	98-82-8	U	µg/L	0.20 5.0	1
m&p-xylene	1330-20-7	U	µg/L	0.31 5.0	1
Methyl acetate	79-20-9	U	µg/L	0.47 5.0	1
Methyl cyclohexane		U	µg/L	0.13 5.0	1
Methylene chloride	75-09-2	U	µg/L	0.17 5.0	1
Methyl-t-butyl ether	1634-04-4	U	µg/L	0.15 5.0	1
Naphthalene	91-20-3	U	µg/L	0.19 5.0	1
n-Butylbenzene	104-51-8	U	µg/L	0.18 5.0	1
n-Propylbenzene	103-65-1	U	µg/L	0.15 5.0	1

Lab-Sample Number: K00008198005
Project Name:
Sample Description: Residential well

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: R-2 Hines
Date/Time Collected: 11/21/2014 12:06
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: L Maderal	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
o-Xylene	95-47-6	U	µg/L	0.10 5.0	1
sec-Butylbenzene	135-98-8	U	µg/L	0.16 5.0	1
Styrene	100-42-5	U	µg/L	0.14 5.0	1
tert-Butylbenzene	98-06-6	U	µg/L	0.19 5.0	1
Tetrachloroethene	127-18-4	U	µg/L	0.21 5.0	1
Toluene	108-88-3	U	µg/L	0.11 5.0	1
trans-1,2-Dichloroethene	156-60-5	U	µg/L	0.13 5.0	1
trans-1,3-Dichloropropene	10061-02-6	U	µg/L	0.16 5.0	1
Trichloroethene	79-01-6	U	µg/L	0.23 5.0	1
Trichlorofluoromethane	75-69-4	U	µg/L	1.4 5.0	1
Vinyl acetate	108-05-4	U	µg/L	0.23 5.0	1
Vinyl chloride	75-01-4	U	µg/L	0.15 5.0	1

Lab-Sample Number: K00008198006
Project Name:
Sample Description: Residential Well

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: R-3 Hembree
Date/Time Collected: 11/21/2014 13:03
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
1,1,1,2-Tetrachloroethane	630-20-6	U	µg/L	0.18 5.0	1
1,1,1-Trichloroethane	71-55-6	U	µg/L	0.14 5.0	1
1,1,2,2-Tetrachloroethane	79-34-5	U	µg/L	0.21 5.0	1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	U	µg/L	0.13 5.0	1
1,1,2-Trichloroethane	79-00-5	U	µg/L	0.37 5.0	1
1,1-Dichloroethane	75-34-3	U	µg/L	0.16 5.0	1
1,1-Dichloroethene	75-35-4	U	µg/L	0.14 5.0	1
1,1-Dichloropropene	563-58-6	U	µg/L	0.17 5.0	1
1,2,3-Trichlorobenzene	87-61-6	U	µg/L	0.23 5.0	1
1,2,3-Trichloropropane	96-18-4	U	µg/L	0.28 5.0	1
1,2,4-Trichlorobenzene	120-82-1	U	µg/L	0.24 5.0	1
1,2,4-Trimethylbenzene	95-63-6	U	µg/L	0.10 5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	U	µg/L	1.3 5.0	1
1,2-Dibromoethane(EDB)	106-93-4	U	µg/L	0.35 5.0	1
1,2-Dichlorobenzene	95-50-1	U	µg/L	0.22 5.0	1
1,2-Dichloroethane	107-06-2	U	µg/L	0.39 5.0	1
1,2-Dichloropropane	78-87-5	U	µg/L	0.44 5.0	1
1,3,5-Trimethylbenzene	108-67-8	U	µg/L	0.16 5.0	1
1,3-Dichlorobenzene	541-73-1	U	µg/L	0.19 5.0	1
1,3-Dichloropropane	142-28-9	U	µg/L	0.16 5.0	1
1,4-Dichlorobenzene	106-46-7	U	µg/L	0.54 5.0	1
2,2-Dichloropropane	594-20-7	U	µg/L	0.11 5.0	1
2-Butanone (MEK)	78-93-3	U	µg/L	1.5 25	1
2-Chloroethylvinyl ether	110-75-8	U	µg/L	4.2 20	1
2-Chlorotoluene	95-49-8	U	µg/L	0.36 5.0	1
2-Hexanone	591-78-6	U	µg/L	0.73 25	1
4-Chlorotoluene	106-43-4	U	µg/L	0.20 5.0	1
4-Isopropyltoluene	99-87-6	U	µg/L	0.19 5.0	1
4-Methyl-2-pentanone	108-10-1	U	µg/L	0.64 25	1
Acetone	67-64-1	U	µg/L	6.4 25	1
Acrolein	107-02-8	U	µg/L	4.9 25	1

Lab-Sample Number: K00008198006
Project Name:
Sample Description: Residential Well

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: R-3 Hembree
Date/Time Collected: 11/21/2014 13:03
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
Acrylonitrile	107-13-1	U	µg/L	1.4 20	1
Benzene	71-43-2	U	µg/L	0.82 5.0	1
Bromobenzene	108-86-1	U	µg/L	0.18 5.0	1
Bromochloromethane	74-97-5	U	µg/L	0.16 5.0	1
Bromodichloromethane	75-27-4	U	µg/L	0.16 5.0	1
Bromoform	75-25-2	U	µg/L	0.17 5.0	1
Bromomethane	74-83-9	U	µg/L	1.5 5.0	1
Carbon disulfide	75-15-0	U	µg/L	0.78 5.0	1
Carbon tetrachloride	56-23-5	U	µg/L	0.12 5.0	1
Chlorobenzene	108-90-7	U	µg/L	0.16 5.0	1
Chloroethane	75-00-3	U	µg/L	0.89 5.0	1
Chloroform	67-66-3	U	µg/L	0.13 5.0	1
Chloromethane	74-87-3	U	µg/L	1.1 5.0	1
cis-1,2-Dichloroethene	156-59-2	U	µg/L	0.13 5.0	1
cis-1,3-Dichloropropene	10061-01-5	U	µg/L	0.16 5.0	1
Cyclohexane	110-82-7	U	µg/L	0.51 5.0	1
Dibromochloromethane	124-48-1	U	µg/L	0.21 5.0	1
Dibromomethane	74-95-3	U	µg/L	0.78 5.0	1
Dichlorodifluoromethane	75-71-8	U	µg/L	0.21 5.0	1
Diisopropyl ether	108-20-3	U	µg/L	0.16 5.0	1
Ethylbenzene	100-41-4	U	µg/L	0.15 5.0	1
Hexachlorobutadiene	87-68-3	U	µg/L	2.5 5.0	1
Isopropylbenzene	98-82-8	U	µg/L	0.20 5.0	1
m&p-xylene	1330-20-7	U	µg/L	0.31 5.0	1
Methyl acetate	79-20-9	U	µg/L	0.47 5.0	1
Methyl cyclohexane		U	µg/L	0.13 5.0	1
Methylene chloride	75-09-2	U	µg/L	0.17 5.0	1
Methyl-t-butyl ether	1634-04-4	U	µg/L	0.15 5.0	1
Naphthalene	91-20-3	U	µg/L	0.19 5.0	1
n-Butylbenzene	104-51-8	U	µg/L	0.18 5.0	1
n-Propylbenzene	103-65-1	U	µg/L	0.15 5.0	1

Lab-Sample Number: K00008198006
Project Name:
Sample Description: Residential Well

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: R-3 Hembree
Date/Time Collected: 11/21/2014 13:03
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
o-Xylene	95-47-6	U	µg/L	0.10 5.0	1
sec-Butylbenzene	135-98-8	U	µg/L	0.16 5.0	1
Styrene	100-42-5	U	µg/L	0.14 5.0	1
tert-Butylbenzene	98-06-6	U	µg/L	0.19 5.0	1
Tetrachloroethene	127-18-4	U	µg/L	0.21 5.0	1
Toluene	108-88-3	U	µg/L	0.11 5.0	1
trans-1,2-Dichloroethene	156-60-5	U	µg/L	0.13 5.0	1
trans-1,3-Dichloropropene	10061-02-6	U	µg/L	0.16 5.0	1
Trichloroethene	79-01-6	U	µg/L	0.23 5.0	1
Trichlorofluoromethane	75-69-4	U	µg/L	1.4 5.0	1
Vinyl acetate	108-05-4	U	µg/L	0.23 5.0	1
Vinyl chloride	75-01-4	U	µg/L	0.15 5.0	1

Lab-Sample Number: K00008198007
Project Name:
Sample Description: Residential Well

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: R-4 Humphreys
Date/Time Collected: 11/21/2014 13:35
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
1,1,1,2-Tetrachloroethane	630-20-6	U	µg/L	0.18 5.0	1
1,1,1-Trichloroethane	71-55-6	U	µg/L	0.14 5.0	1
1,1,2,2-Tetrachloroethane	79-34-5	U	µg/L	0.21 5.0	1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	U	µg/L	0.13 5.0	1
1,1,2-Trichloroethane	79-00-5	U	µg/L	0.37 5.0	1
1,1-Dichloroethane	75-34-3	U	µg/L	0.16 5.0	1
1,1-Dichloroethene	75-35-4	U	µg/L	0.14 5.0	1
1,1-Dichloropropene	563-58-6	U	µg/L	0.17 5.0	1
1,2,3-Trichlorobenzene	87-61-6	U	µg/L	0.23 5.0	1
1,2,3-Trichloropropane	96-18-4	U	µg/L	0.28 5.0	1
1,2,4-Trichlorobenzene	120-82-1	U	µg/L	0.24 5.0	1
1,2,4-Trimethylbenzene	95-63-6	U	µg/L	0.10 5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	U	µg/L	1.3 5.0	1
1,2-Dibromoethane(EDB)	106-93-4	U	µg/L	0.35 5.0	1
1,2-Dichlorobenzene	95-50-1	U	µg/L	0.22 5.0	1
1,2-Dichloroethane	107-06-2	U	µg/L	0.39 5.0	1
1,2-Dichloropropane	78-87-5	U	µg/L	0.44 5.0	1
1,3,5-Trimethylbenzene	108-67-8	U	µg/L	0.16 5.0	1
1,3-Dichlorobenzene	541-73-1	U	µg/L	0.19 5.0	1
1,3-Dichloropropane	142-28-9	U	µg/L	0.16 5.0	1
1,4-Dichlorobenzene	106-46-7	U	µg/L	0.54 5.0	1
2,2-Dichloropropane	594-20-7	U	µg/L	0.11 5.0	1
2-Butanone (MEK)	78-93-3	U	µg/L	1.5 25	1
2-Chloroethylvinyl ether	110-75-8	U	µg/L	4.2 20	1
2-Chlorotoluene	95-49-8	U	µg/L	0.36 5.0	1
2-Hexanone	591-78-6	U	µg/L	0.73 25	1
4-Chlorotoluene	106-43-4	U	µg/L	0.20 5.0	1
4-Isopropyltoluene	99-87-6	U	µg/L	0.19 5.0	1
4-Methyl-2-pentanone	108-10-1	U	µg/L	0.64 25	1
Acetone	67-64-1	U	µg/L	6.4 25	1
Acrolein	107-02-8	U	µg/L	4.9 25	1

Lab-Sample Number: K00008198007
Project Name:
Sample Description: Residential Well

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: R-4 Humphreys
Date/Time Collected: 11/21/2014 13:35
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
Acrylonitrile	107-13-1	U	µg/L	1.4 20	1
Benzene	71-43-2	U	µg/L	0.82 5.0	1
Bromobenzene	108-86-1	U	µg/L	0.18 5.0	1
Bromochloromethane	74-97-5	U	µg/L	0.16 5.0	1
Bromodichloromethane	75-27-4	U	µg/L	0.16 5.0	1
Bromoform	75-25-2	U	µg/L	0.17 5.0	1
Bromomethane	74-83-9	U	µg/L	1.5 5.0	1
Carbon disulfide	75-15-0	U	µg/L	0.78 5.0	1
Carbon tetrachloride	56-23-5	U	µg/L	0.12 5.0	1
Chlorobenzene	108-90-7	U	µg/L	0.16 5.0	1
Chloroethane	75-00-3	U	µg/L	0.89 5.0	1
Chloroform	67-66-3	U	µg/L	0.13 5.0	1
Chloromethane	74-87-3	U	µg/L	1.1 5.0	1
cis-1,2-Dichloroethene	156-59-2	U	µg/L	0.13 5.0	1
cis-1,3-Dichloropropene	10061-01-5	U	µg/L	0.16 5.0	1
Cyclohexane	110-82-7	U	µg/L	0.51 5.0	1
Dibromochloromethane	124-48-1	U	µg/L	0.21 5.0	1
Dibromomethane	74-95-3	U	µg/L	0.78 5.0	1
Dichlorodifluoromethane	75-71-8	U	µg/L	0.21 5.0	1
Diisopropyl ether	108-20-3	U	µg/L	0.16 5.0	1
Ethylbenzene	100-41-4	U	µg/L	0.15 5.0	1
Hexachlorobutadiene	87-68-3	U	µg/L	2.5 5.0	1
Isopropylbenzene	98-82-8	U	µg/L	0.20 5.0	1
m&p-xylene	1330-20-7	U	µg/L	0.31 5.0	1
Methyl acetate	79-20-9	U	µg/L	0.47 5.0	1
Methyl cyclohexane		U	µg/L	0.13 5.0	1
Methylene chloride	75-09-2	U	µg/L	0.17 5.0	1
Methyl-t-butyl ether	1634-04-4	U	µg/L	0.15 5.0	1
Naphthalene	91-20-3	U	µg/L	0.19 5.0	1
n-Butylbenzene	104-51-8	U	µg/L	0.18 5.0	1
n-Propylbenzene	103-65-1	U	µg/L	0.15 5.0	1

Lab-Sample Number: K00008198007
Project Name:
Sample Description: Residential Well

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: R-4 Humphreys
Date/Time Collected: 11/21/2014 13:35
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30

Agency Invoiced: TDEC-SWM

Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
o-Xylene	95-47-6	U	µg/L	0.10 5.0	1
sec-Butylbenzene	135-98-8	U	µg/L	0.16 5.0	1
Styrene	100-42-5	U	µg/L	0.14 5.0	1
tert-Butylbenzene	98-06-6	U	µg/L	0.19 5.0	1
Tetrachloroethene	127-18-4	U	µg/L	0.21 5.0	1
Toluene	108-88-3	U	µg/L	0.11 5.0	1
trans-1,2-Dichloroethene	156-60-5	U	µg/L	0.13 5.0	1
trans-1,3-Dichloropropene	10061-02-6	U	µg/L	0.16 5.0	1
Trichloroethene	79-01-6	U	µg/L	0.23 5.0	1
Trichlorofluoromethane	75-69-4	U	µg/L	1.4 5.0	1
Vinyl acetate	108-05-4	U	µg/L	0.23 5.0	1
Vinyl chloride	75-01-4	U	µg/L	0.15 5.0	1

Lab-Sample Number: K00008198008
Project Name:
Sample Description: Residential Well - duplicate sample

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: R-4 Duplicate Humphreys
Date/Time Collected: 11/21/2014 13:40
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30
Agency Invoiced: TDEC-SWM
Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
1,1,1,2-Tetrachloroethane	630-20-6	U	µg/L	0.18 5.0	1
1,1,1-Trichloroethane	71-55-6	U	µg/L	0.14 5.0	1
1,1,2,2-Tetrachloroethane	79-34-5	U	µg/L	0.21 5.0	1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	U	µg/L	0.13 5.0	1
1,1,2-Trichloroethane	79-00-5	U	µg/L	0.37 5.0	1
1,1-Dichloroethane	75-34-3	U	µg/L	0.16 5.0	1
1,1-Dichloroethene	75-35-4	U	µg/L	0.14 5.0	1
1,1-Dichloropropene	563-58-6	U	µg/L	0.17 5.0	1
1,2,3-Trichlorobenzene	87-61-6	U	µg/L	0.23 5.0	1
1,2,3-Trichloropropane	96-18-4	U	µg/L	0.28 5.0	1
1,2,4-Trichlorobenzene	120-82-1	U	µg/L	0.24 5.0	1
1,2,4-Trimethylbenzene	95-63-6	U	µg/L	0.10 5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	U	µg/L	1.3 5.0	1
1,2-Dibromoethane(EDB)	106-93-4	U	µg/L	0.35 5.0	1
1,2-Dichlorobenzene	95-50-1	U	µg/L	0.22 5.0	1
1,2-Dichloroethane	107-06-2	U	µg/L	0.39 5.0	1
1,2-Dichloropropane	78-87-5	U	µg/L	0.44 5.0	1
1,3,5-Trimethylbenzene	108-67-8	U	µg/L	0.16 5.0	1
1,3-Dichlorobenzene	541-73-1	U	µg/L	0.19 5.0	1
1,3-Dichloropropane	142-28-9	U	µg/L	0.16 5.0	1
1,4-Dichlorobenzene	106-46-7	U	µg/L	0.54 5.0	1
2,2-Dichloropropane	594-20-7	U	µg/L	0.11 5.0	1
2-Butanone (MEK)	78-93-3	U	µg/L	1.5 25	1
2-Chloroethylvinyl ether	110-75-8	U	µg/L	4.2 20	1
2-Chlorotoluene	95-49-8	U	µg/L	0.36 5.0	1
2-Hexanone	591-78-6	U	µg/L	0.73 25	1
4-Chlorotoluene	106-43-4	U	µg/L	0.20 5.0	1
4-Isopropyltoluene	99-87-6	U	µg/L	0.19 5.0	1
4-Methyl-2-pentanone	108-10-1	U	µg/L	0.64 25	1
Acetone	67-64-1	U	µg/L	6.4 25	1
Acrolein	107-02-8	U	µg/L	4.9 25	1

Lab-Sample Number: K00008198008
Project Name:
Sample Description: Residential Well - duplicate sample

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: R-4 Duplicate Humphreys
Date/Time Collected: 11/21/2014 13:40
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30
Agency Invoiced: TDEC-SWM
Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
Acrylonitrile	107-13-1	U	µg/L	1.4 20	1
Benzene	71-43-2	U	µg/L	0.82 5.0	1
Bromobenzene	108-86-1	U	µg/L	0.18 5.0	1
Bromochloromethane	74-97-5	U	µg/L	0.16 5.0	1
Bromodichloromethane	75-27-4	U	µg/L	0.16 5.0	1
Bromoform	75-25-2	U	µg/L	0.17 5.0	1
Bromomethane	74-83-9	U	µg/L	1.5 5.0	1
Carbon disulfide	75-15-0	U	µg/L	0.78 5.0	1
Carbon tetrachloride	56-23-5	U	µg/L	0.12 5.0	1
Chlorobenzene	108-90-7	U	µg/L	0.16 5.0	1
Chloroethane	75-00-3	U	µg/L	0.89 5.0	1
Chloroform	67-66-3	U	µg/L	0.13 5.0	1
Chloromethane	74-87-3	U	µg/L	1.1 5.0	1
cis-1,2-Dichloroethene	156-59-2	U	µg/L	0.13 5.0	1
cis-1,3-Dichloropropene	10061-01-5	U	µg/L	0.16 5.0	1
Cyclohexane	110-82-7	U	µg/L	0.51 5.0	1
Dibromochloromethane	124-48-1	U	µg/L	0.21 5.0	1
Dibromomethane	74-95-3	U	µg/L	0.78 5.0	1
Dichlorodifluoromethane	75-71-8	U	µg/L	0.21 5.0	1
Diisopropyl ether	108-20-3	U	µg/L	0.16 5.0	1
Ethylbenzene	100-41-4	U	µg/L	0.15 5.0	1
Hexachlorobutadiene	87-68-3	U	µg/L	2.5 5.0	1
Isopropylbenzene	98-82-8	U	µg/L	0.20 5.0	1
m&p-xylene	1330-20-7	U	µg/L	0.31 5.0	1
Methyl acetate	79-20-9	U	µg/L	0.47 5.0	1
Methyl cyclohexane		U	µg/L	0.13 5.0	1
Methylene chloride	75-09-2	U	µg/L	0.17 5.0	1
Methyl-t-butyl ether	1634-04-4	U	µg/L	0.15 5.0	1
Naphthalene	91-20-3	U	µg/L	0.19 5.0	1
n-Butylbenzene	104-51-8	U	µg/L	0.18 5.0	1
n-Propylbenzene	103-65-1	U	µg/L	0.15 5.0	1

Lab-Sample Number: K00008198008
Project Name:
Sample Description: Residential Well - duplicate sample

Sampler Project Name: Poplar Springs Landfill
Project Site No.: SNL53-1062
Station No.: R-4 Duplicate Humphreys
Date/Time Collected: 11/21/2014 13:40
Sampler's Name: P. Mulligan & T. Hill
County: LOUDON - 53
Sample Matrix: Water
EFO: Knoxville
Sampling Agency: TDEC-SWM
Billing Code: EN00004176
Send Report To: TDEC-SWM
Priority Date:
Date/Time Received: 11/21/2014 15:30
Agency Invoiced: TDEC-SWM
Received By: J Liu

TEST: VOA 8260	METHOD: EPA 5035/5030B/826	ANALYZED: G. Guirguis	11/25/2014
PERFORMING LAB: Nashville			

ANALYTE	CAS	RESULT	UNITS	MDL MQL	DF
o-Xylene	95-47-6	U	µg/L	0.10 5.0	1
sec-Butylbenzene	135-98-8	U	µg/L	0.16 5.0	1
Styrene	100-42-5	U	µg/L	0.14 5.0	1
tert-Butylbenzene	98-06-6	U	µg/L	0.19 5.0	1
Tetrachloroethene	127-18-4	U	µg/L	0.21 5.0	1
Toluene	108-88-3	U	µg/L	0.11 5.0	1
trans-1,2-Dichloroethene	156-60-5	U	µg/L	0.13 5.0	1
trans-1,3-Dichloropropene	10061-02-6	U	µg/L	0.16 5.0	1
Trichloroethene	79-01-6	U	µg/L	0.23 5.0	1
Trichlorofluoromethane	75-69-4	U	µg/L	1.4 5.0	1
Vinyl acetate	108-05-4	U	µg/L	0.23 5.0	1
Vinyl chloride	75-01-4	U	µg/L	0.15 5.0	1

State of Tennessee - Environmental Laboratories

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Organic Analysis
Volatiles and Petroleum HydrocarbonsK00008198-001
Laboratory Number

Chain of Custody and Supplemental Information

Only one chain of custody form is required per sample set or point (if all collected at the same time)

1. Collected by PJP/TNH

Date 11/21/14 Time 8:54

Delivered to KACR Rem Lab

Date 11-21-14 Time 1530

2. Received by

Date 11/21/14 Time 1530

Delivered to FED EX

Date 11/24/14 Time 1530

3. Received by L. Madem

Date 11/25/14 Time 0850

Delivered to

Date Time

4. Received in Lab by

Date 11/21/14 Time 1530

Logged in by

Date 11/21/14 Time 1608

Additional Information

1. Approximate volume of sample

40 mL

2. Nearest town or city Loudon, TN

3. Others present at collection JTC, RA, RAB

4. Number of other samples collected at same time at this point

5. Field collection procedure, handling and/or preservation of this sample "Potable Water Supply Sampling Procedure" (EPA Region 4 Science and Ecosystem Support Division, Athens, GA, 5/28/2013)

6. Mode of transportation to lab Car

7. Sample sealed by PJM and TNH

8. Date sample sealed 11/21/14

9. Remarks

PROJECT/SITE NO. SNL 53-1062		PROJECT NAME Poplar Springs Landfill	
STATION NUMBER Blank		COUNTY Loudon	
DESCRIPTION Trip Blank			
STREAM MILE		DEPTH	
COLLECTED: DATE 11/21/14		MATRIX Water	
SAMPLER'S NAME (printed) Patrick Mulligan and Timothy Hill		TIME 8:54	
SAMPLING AGENCY TDEC-DSWM-KEFO		BILLING CODE EN00004176	
IF PRIORITY, DATE NEEDED			
SEND REPORT TO: Patrick Mulligan			
3711 Middlebrook Pike, Knoxville, TN 37921			
CONTACT HAZARD			
* NPDES Volatiles - 624	* TCL Volatiles - 6260A	* TCLP Volatiles	
Bromoform	X Chloromethane	Benzene	
Bromodichloromethane	X Bromomethane	Carbon tetrachloride	
Carbon Tetrachloride	X Vinyl chloride	Chlorobenzene	
Chlorobenzene	X Chloroethane	Chloroform	
Chloroethane	X Methylene chloride	1,2-Dichloroethane	
2-Chloroethylvinyl ether	X Acetone	1,1-Dichloroethane	
Chloroform	X Carbon disulfide	Methyl ethylketone	
Chloromethane	X 1,1-Dichloroethene	Tetrachloroethene	
Dibromochloromethane	X 1,1-Dichloroethane	Trichloroethene	
X 1,2-Dichlorobenzene	X Cis-1,2-dichloroethene	Vinyl chloride	
1,3-Dichlorobenzene	X Trans-1,2-dichloroethene	* BTEX - 8260A - UST	
X 1,4-Dichlorobenzene	X 1,2-Dichloroethane	Benzene	
Dichlorodifluoromethane	X Chloroform	Toluene	
1,1-Dichloroethane	X 2-Butanone	Ethyl benzene	
X 1,2-Dichloroethane	X 1,1,1-Trichloroethane	o-Xylene	
1,1-Dichloroethene	X Carbon tetrachloride	m-Xylene	
Cis-1,2-dichloroethene	X Vinyl acetate	p-Xylene	
Trans-1,2-dichloroethene	X Bromodichloromethane	Methyl t-butyl ether	
1,2-Dichloropropane	X 1,2-Dichloropropane	Diisopropyl ether	
Cis-1,3-dichloropropene	X Cis-1,3-dichloropropene	* TPH by GC	
Trans-1,2-dichloroethene	X Trichloroethene	Gasoline RangeOrganics	
Methylene chloride	X Dibromochloromethane	Diesel RangeOrganics	
1,1,2,2-Tetrachloroethane	X 1,1,2-Trichloroethane	Oil RangeOrganics	
Tetrachloroethene	X Benzene	* Other	
1,1,1-Trichloroethane	X Trans-1,3-dichloropropene	X Acrylonitrile	
1,1,2-Trichloroethane	X Bromoform	X Bromochloromethane	
Trichloroethene	X 4-Methyl-2-pentanone	X 1,2-Dibromo-3-chloropropane	
X Trichlorofluoromethane	X 2-Hexanone	X 1,2-Dibromoethane	
Vinyl chloride	X Tetrachloroethene	X trans-1,4-Dichloro-2-butene	
Benzene	X Toluene	X Methylene bromide	
Ethylbenzene	X 1,1,2,2-Tetrachloroethane	X Methyl iodide	
Toluene	X Chlorobenzene	X 1,1,1,2-Tetrachloroethane	
o-Xylene	X Ethyl benzene	X 1,2,3-Trichloropropane	
m-Xylene	X Styrene		
p-Xylene	X o-Xylene		
	X m-Xylene		
	X p-Xylene		



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Organic Analysis

Volatiles and Petroleum Hydrocarbons

PROJECT/SITE NO. SNL 53-1062		PROJECT NAME Poplar Springs Landfill	
STATION NUMBER S-2 Pond		COUNTY Loudon	
DESCRIPTION Landfill Sediment Pond			
STREAM MILE	DEPTH	MATRIX	Water
COLLECTED: DATE 11/21/14		TIME 10:05	
SAMPLER'S NAME (printed) Patrick Mulligan and Timothy Hill			
SAMPLING AGENCY TDEC-DSWM-KEFO		BILLING CODE EN00004176	
IF PRIORITY, DATE NEEDED			
SEND REPORT TO: Patrick Mulligan			
3711 Middlebrook Pike, Knoxville, TN 37921			
CONTACT HAZARD			
* NPDES Volatiles - 624	* TCL Volatiles - 6260A	* TCLP Volatiles	
Bromoform	X Chloromethane	Benzene	
Bromodichloromethane	X Bromomethane	Carbon tetrachloride	
Carbon Tetrachloride	X Vinyl chloride	Chlorobenzene	
Chlorobenzene	X Chloroethane	Chloroform	
Chloroethane	X Methylene chloride	1,2-Dichloroethane	
2-Chloroethylvinyl ether	X Acetone	1,1-Dichloroethane	
Chloroform	X Carbon disulfide	Methyl ethylketone	
Chloromethane	X 1,1-Dichloroethene	Tetrachloroethene	
Dibromochloromethane	X 1,1-Dichloroethane	Trichloroethene	
X 1,2-Dichlorobenzene	X Cis-1,2-dichloroethene	Vinyl chloride	
X 1,3-Dichlorobenzene	X Trans-1,2-dichloroethene	* BTEX - 8260A - UST	
X 1,4-Dichlorobenzene	X 1,2-Dichloroethane	Benzene	
Dichlorodifluoromethane	X Chloroform	Toluene	
1,1-Dichloroethane	X 2-Butanone	Ethyl benzene	
X 1,2-Dichloroethane	X 1,1,1-Trichloroethane	o-Xylene	
1,1-Dichloroethene	X Carbon tetrachloride	m-Xylene	
Cis-1,2-dichloroethene	X Vinyl acetate	p-Xylene	
Trans-1,2-dichloroethene	X Bromodichloromethane	Methyl t-butyl ether	
1,2-Dichloropropane	X 1,2-Dichloropropane	Diisopropyl ether	
Cis-1,3-dichloropropene	X Cis-1,3-dichloropropene	* TPH by GC	
Trans-1,2-dichloroethene	X Trichloroethene	Gasoline Range Organics	
Methylene chloride	X Dibromochloromethane	Diesel Range Organics	
1,1,2,2-Tetrachloroethane	X 1,1,2-Trichloroethane	Oil Range Organics	
Tetrachloroethene	X Benzene	* Other	
1,1,1-Trichloroethane	X Trans-1,3-dichloropropene	X Acrylonitrile	
1,1,2-Trichloroethane	X Bromoform	X Bromochloromethane	
Trichloroethene	X 4-Methyl-2-pentanone	X 1,2-Dibromo-3-chloropropane	
X Trichlorofluoromethane	X 2-Hexanone	X 1,2-Dibromoethane	
Vinyl chloride	X Tetrachloroethene	X trans-1,4-Dichloro-2-butene	
Benzene	X Toluene	X Methylene bromide	
Ethylbenzene	X 1,1,2,2-Tetrachloroethane	X Methyl iodide	
Toluene	X Chlorobenzene	X 1,1,1,2-Tetrachloroethane	
o-Xylene	X Ethyl benzene	X 1,2,3-Trichloropropane	
m-Xylene	X Styrene		
p-Xylene	X o-Xylene		
	X m-Xylene		
	X p-Xylene		

Laboratory Number K00008198-002

Chain of Custody and Supplemental Information
Only one chain of custody form is required per sample set or point (if all collected at the same time)

1. Collected by PJP/TNH
Date 11/21/14 Time 10:00
Delivered to Knox Reg. Co. 8
Date 11-21-14 Time 1530
2. Received by [Signature]
Date 11/21/14 Time 1530
Delivered to [Signature]
Date 11/24/14 Time 1530
3. Received by [Signature]
Date 11/25/14 Time 0850
Delivered to [Signature]
Date [] Time []
4. Received in Lab by [Signature]
Date 11/21/14 Time 1530
Logged in by [Signature]
Date 11/21/14 Time 1608

Additional Information

1. Approximate volume of sample 40 mL

2. Nearest town or city Loudon, TN

3. Others present at collection JTC, RAB

4. Number of other samples collected at same time at this point 2

5. Field collection procedure, handling and/or preservation of this sample "Surface Water Sampling Procedure" (EPA Region 4 Science and Ecosystem Support Division, Athens, GA, 5/28/2013)

6. Mode of transportation to lab Car

7. Sample sealed by PJM and TNH

8. Date sample sealed 11/21/14

9. Remarks



State of Tennessee - Environmental Laboratories

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K00008198-003

Organic Analysis
Volatiles and Petroleum Hydrocarbons

PROJECT/SITE NO. SNL 53-1062		PROJECT NAME Poplar Springs Landfill		Laboratory Number
STATION NUMBER S-1 Leachate		COUNTY Loudon		
DESCRIPTION Leachate from seeps on landfill				
STREAM MILE	DEPTH	MATRIX Water		
COLLECTED: DATE 11/21/14	TIME 10:28			
SAMPLER'S NAME (printed) Patrick Mulligan and Timothy Hill				
SAMPLING AGENCY TDEC-DSWM-KEFO		BILLING CODE EN00004176		
IF PRIORITY, DATE NEEDED				
SEND REPORT TO: Patrick Mulligan				
3711 Middlebrook Pike, Knoxville, TN 37921				
CONTACT HAZARD				
* NPDES Volatiles - 624	* TCL Volatiles - 6260A	* TCLP Volatiles		
Bromoform	X Chloromethane	Benzene		
Bromodichloromethane	X Bromomethane	Carbon tetrachloride		
Carbon Tetrachloride	X Vinyl chloride	Chlorobenzene		
Chlorobenzene	X Chloroethane	Chloroform		
Chloroethane	X Methylene chloride	1,2-Dichloroethane		
2-Chloroethylvinyl ether	X Acetone	1,1-Dichloroethane		
Chloroform	X Carbon disulfide	Methyl ethylketone		
Chloromethane	X 1,1-Dichloroethene	Tetrachloroethene		
Dibromochloromethane	X 1,1-Dichloroethane	Trichloroethene		
X 1,2-Dichlorobenzene	X Cis-1,2-dichloroethene	Vinyl chloride		
X 1,3-Dichlorobenzene	X Trans-1,2-dichloroethene	* BTEX - 8260A - UST		
X 1,4-Dichlorobenzene	X 1,2-Dichloroethane	Benzene		
Dichlorodifluoromethane	X Chloroform	Toluene		
1,1-Dichloroethane	X 2-Butanone	Ethyl benzene		
X 1,2-Dichloroethane	X 1,1,1-Trichloroethane	o-Xylene		
1,1-Dichloroethene	X Carbon tetrachloride	m-Xylene		
Cis-1,2-dichloroethene	X Vinyl acetate	p-Xylene		
Trans-1,2-dichloroethene	X Bromodichloromethane	Methyl t-butyl ether		
1,2-Dichloropropane	X 1,2-Dichloropropane	Diisopropyl ether		
Cis-1,3-dichloropropene	X Cis-1,3-dichloropropene	* TPH by GC		
Trans-1,2-dichloroethene	X Trichloroethene	Gasoline RangeOrganics		
Methylene chloride	X Dibromochloromethane	Diesel RangeOrganics		
1,1,2,2-Tetrachloroethane	X 1,1,2-Trichloroethane	Oil Range Organics		
Tetrachloroethene	X Benzene	* Other		
1,1,1-Trichloroethane	X Trans-1,3-dichloropropene	X Acrylonitrile		
1,1,2-Trichloroethane	X Bromoform	X Bromochloromethane		
Trichloroethene	X 4-Methyl-2-pentanone	X 1,2-Dibromo-3-chloropropane		
X Trichlorofluoromethane	X 2-Hexanone	X 1,2-Dibromoethane		
Vinyl chloride	X Tetrachloroethene	X trans-1,4-Dichloro-2-butene		
Benzene	X Toluene	X Methylene bromide		
Ethylbenzene	X 1,1,2,2-Tetrachloroethane	X Methyl iodide		
Toluene	X Chlorobenzene	X 1,1,1,2-Tetrachloroethane		
o-Xylene	X Ethyl benzene	X 1,2,3-Trichloropropane		
m-Xylene	X Styrene			
p-Xylene	X o-Xylene			
	X m-Xylene			
	X p-Xylene			

Chain of Custody and Supplemental Information

Only one chain of custody form is required per sample set or point (if all collected at the same time)

1. Collected by PJP/TNH

Date 11/21/14 Time 10:28

Delivered to Knox Co Lab 11/21/14 Time 1530

2. Received by J. Mulligan 11/21/14 Time 1530

Date 11/21/14 Time 1530

Delivered to FPD 11/21/14 Time 1530

3. Received by J. Mulligan 11/21/14 Time 1530

Date 11/21/14 Time 1530

Delivered to J. Mulligan 11/21/14 Time 1530

4. Received in Lab by J. Mulligan 11/21/14 Time 1530

Date 11/21/14 Time 1530

Logged in by J. Mulligan 11/21/14 Time 1608

Date 11/21/14 Time 1608

Additional Information

1. Approximate volume of sample

40 mL

2. Nearest town or city Loudon, TN

3. Others present at collection JTC, RA, RAB

4. Number of other samples collected at same time at this point 2

5. Field collection procedure, handling and/or preservation of this sample "Surface Water Sampling Procedure" (EPA Region 4 Science and Ecosystem Support Division, Athens, GA, 5/28/2013)

6. Mode of transportation to lab Car

7. Sample sealed by PJM and TNH

8. Date sample sealed 11/21/14

9. Remarks



State of Tennessee - Environmental Laboratories

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Organic Analysis

Volatiles and Petroleum Hydrocarbons

PROJECT/SITE NO. SNL 53-1062		PROJECT NAME Poplar Springs Landfill	
STATION NUMBER R-1 <i>Johnson</i>		COUNTY Loudon	
DESCRIPTION Residential Well			
STREAM MILE	DEPTH	MATRIX	Water
COLLECTED: DATE 11/21/14	TIME 11:32		
SAMPLER'S NAME (printed) Patrick Mulligan and Timothy Hill			
SAMPLING AGENCY TDEC-DSWM-KEFO		BILLING CODE EN00004176	
IF PRIORITY, DATE NEEDED			
SEND REPORT TO: Patrick Mulligan			
3711 Middlebrook Pike, Knoxville, TN 37921			
CONTACT HAZARD			
* NPDES Volatiles - 624	* TCL Volatiles - 6260A	* TCLP Volatiles	
Bromoform	X Chloromethane	Benzene	
Bromodichloromethane	X Bromomethane	Carbon tetrachloride	
Carbon Tetrachloride	X Vinyl chloride	Chlorobenzene	
Chlorobenzene	X Chloroethane	Chloroform	
Chloroethane	X Methylene chloride	1,2-Dichloroethane	
2-Chloroethylvinyl ether	X Acetone	1,1-Dichloroethane	
Chloroform	X Carbon disulfide	Methyl ethylketone	
Chloromethane	X 1,1-Dichloroethene	Tetrachloroethene	
Dibromochloromethane	X 1,1-Dichloroethane	Trichloroethene	
X 1,2-Dichlorobenzene	X Cis-1,2-dichloroethene	Vinyl chloride	
X 1,3-Dichlorobenzene	X Trans-1,2-dichloroethene	* BTEX - 8260A - UST	
X 1,4-Dichlorobenzene	X 1,2-Dichloroethane	Benzene	
Dichlorodifluoromethane	X Chloroform	Toluene	
1,1-Dichloroethane	X 2-Butanone	Ethyl benzene	
X 1,2-Dichloroethane	X 1,1,1-Trichloroethane	o-Xylene	
1,1-Dichloroethene	X Carbon tetrachloride	m-Xylene	
Cis-1,2-dichloroethene	X Vinyl acetate	p-Xylene	
Trans-1,2-dichloroethene	X Bromodichloromethane	Methyl t-butyl ether	
1,2-Dichloropropane	X 1,2-Dichloropropane	Diisopropyl ether	
Cis-1,3-dichloropropene	X Cis-1,3-dichloropropene	* TPH by GC	
Trans-1,2-dichloroethene	X Trichloroethene	Gasoline RangeOrganics	
Methylene chloride	X Dibromochloromethane	Diesel RangeOrganics	
1,1,2,2-Tetrachloroethane	X 1,1,2-Trichloroethane	Oil RangeOrganics	
Tetrachloroethene	X Benzene	* Other	
1,1,1-Trichloroethane	X Trans-1,3-dichloropropene	X Acrylonitrile	
1,1,2-Trichloroethane	X Bromoform	X Bromochloromethane	
Trichloroethene	X 4-Methyl-2-pentanone	X 1,2-Dibromo-3-chloropropane	
X Trichlorofluoromethane	X 2-Hexanone	X 1,2-Dibromoethane	
Vinyl chloride	X Tetrachloroethene	X trans-1,4-Dichloro-2-butene	
Benzene	X Toluene	X Methylene bromide	
Ethylbenzene	X 1,1,2,2-Tetrachloroethane	X Methyl iodide	
Toluene	X Chlorobenzene	X 1,1,1,2-Tetrachloroethane	
o-Xylene	X Ethyl benzene	X 1,2,3-Trichloropropane	
m-Xylene	X Styrene		
p-Xylene	X o-Xylene		
	X m-Xylene		
	X p-Xylene		

Laboratory Number *100008198-004*

Chain of Custody and Supplemental Information

Only one chain of custody form is required per sample set or point (if all collected at the same time)

1. Collected by PJP/TNH

Date 11/21/14 Time 11:32

Delivered to *Knox Reg Lab*

Date *11-21-14* Time *1530*

2. Received by *J. Hill*

Date *11/21/14* Time *1530*

Delivered to *PEB*

Date *11/24/14* Time *1530*

3. Received by *H. Maden*

Date *11/25/14* Time *0850*

Delivered to

Date Time

4. Received in Lab by *J. Hill*

Date *11/21/14* Time *1530*

Logged in by *J. Hill*

Date *11/21/14* Time *1608*

Additional Information

1. Approximate volume of sample

2. Nearest town or city Loudon, TN

3. Others present at collection JTC, RA, RAB

4. Number of other samples collected at same time at this point 2

5. Field collection procedure, handling and/or preservation of this sample "Potable Water Supply Sampling Procedure" (EPA Region 4 Science and Ecosystem Support Division, Athens, GA, 5/28/2013)

6. Mode of transportation to lab Car

7. Sample sealed by PJM and TNH

8. Date sample sealed 11/21/14

9. Remarks



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Organic Analysis
Volatiles and Petroleum Hydrocarbons

K00008198-005 Laboratory Number

PROJECT/SITE NO. SNL 53-1062		PROJECT NAME Poplar Springs Landfill	
STATION NUMBER R-2 <i>HWF5</i>		COUNTY Loudon	
DESCRIPTION Residential Well			
STREAM MILE	DEPTH	MATRIX Water	
COLLECTED: DATE 11/21/14	TIME 12:06		
SAMPLER'S NAME (printed) Patrick Mulligan and Timothy Hill			
SAMPLING AGENCY TDEC-DSWM-KEFO		BILLING CODE EN00004176	
IF PRIORITY, DATE NEEDED			
SEND REPORT TO: Patrick Mulligan			
3711 Middlebrook Pike, Knoxville, TN 37921			
CONTACT HAZARD			
* NPDES Volatiles - 624	* TCL Volatiles - 6260A	* TCLP Volatiles	
Bromoform	X Chloromethane	Benzene	
Bromodichloromethane	X Bromomethane	Carbon tetrachloride	
Carbon Tetrachloride	X Vinyl chloride	Chlorobenzene	
Chlorobenzene	X Chloroethane	Chloroform	
Chloroethane	X Methylene chloride	1,2-Dichloroethane	
2-Chloroethylvinyl ether	X Acetone	1,1-Dichloroethane	
Chloroform	X Carbon disulfide	Methyl ethylketone	
Chloromethane	X 1,1-Dichloroethane	Tetrachloroethene	
Dibromochloromethane	X 1,1-Dichloroethane	Trichloroethene	
X 1,2-Dichlorobenzene	X Cis-1,2-dichloroethene	Vinyl chloride	
X 1,3-Dichlorobenzene	X Trans-1,2-dichloroethene	* BTEX - 8260A - UST	
X 1,4-Dichlorobenzene	X 1,2-Dichloroethane	Benzene	
Dichlorodifluoromethane	X Chloroform	Toluene	
1,1-Dichloroethane	X 2-Butanone	Ethyl benzene	
X 1,2-Dichloroethane	X 1,1,1-Trichloroethane	o-Xylene	
1,1-Dichloroethene	X Carbon tetrachloride	m-Xylene	
Cis-1,2-dichloroethene	X Vinyl acetate	p-Xylene	
Trans-1,2-dichloroethene	X Bromodichloromethane	Methyl t-butyl ether	
1,2-Dichloropropane	X 1,2-Dichloropropane	Diisopropyl ether	
Cis-1,3-dichloropropene	X Cis-1,3-dichloropropene	* TPH by GC	
Trans-1,2-dichloroethene	X Trichloroethene	Gasoline RangeOrganics	
Methylene chloride	X Dibromochloromethane	Diesel RangeOrganics	
1,1,2,2-Tetrachloroethane	X 1,1,2-Trichloroethane	Oil Range Organics	
Tetrachloroethene	X Benzene	* Other	
1,1,1-Trichloroethane	X Trans-1,3-dichloropropene	X Acrylonitrile	
1,1,2-Trichloroethane	X Bromoform	X Bromochloromethane	
Trichloroethene	X 4-Methyl-2-pentanone	X 1,2-Dibromo-3-chloropropane	
X Trichlorofluoromethane	X 2-Hexanone	X 1,2-Dibromoethane	
Vinyl chloride	X Tetrachloroethene	X trans-1,4-Dichloro-2-butene	
Benzene	X Toluene	X Methylene bromide	
Ethylbenzene	X 1,1,2,2-Tetrachloroethane	X Methyl iodide	
Toluene	X Chlorobenzene	X 1,1,1,2-Tetrachloroethane	
o-Xylene	X Ethyl benzene	X 1,2,3-Trichloropropane	
m-Xylene	X Styrene		
p-Xylene	X o-Xylene		
	X m-Xylene		
	X p-Xylene		

Chain of Custody and Supplemental Information

Only one chain of custody form is required per sample set or point (if all collected at the same time)

1. Collected by PJP/TNH

Date 11/21/14 Time 17:06

Delivered to *Knox Co. Lab*

Date 11/21/14 Time 1530

2. Received by *J. Hill*

Date 11/21/14 Time 1530

Delivered to *EPD RX*

Date 11/24/14 Time 1530

3. Received by *H. Maden*

Date 11/25/14 Time 0850

Delivered to

Date

4. Received in Lab by *J. Hill*

Date 11/21/14 Time 1530

Logged in by *J. Hill*

Date 11/21/14 Time 1608

Additional Information

1. Approximate volume of sample

40 mL

2. Nearest town or city Loudon, TN

3. Others present at collection JTC, RA, RAB

4. Number of other samples collected at same time at this point 2

5. Field collection procedure, handling and/or preservation of this sample "Potable Water Supply Sampling Procedure" (EPA Region 4 Science and Ecosystem Support Division, Athens, GA, 5/28/2013)

6. Mode of transportation to lab Car

7. Sample sealed by PJM and TNH

8. Date sample sealed 11/21/14

9. Remarks

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K00008198-006

Organic Analysis

Volatiles and Petroleum Hydrocarbons

PROJECT/SITE NO. SNL 53-1062		PROJECT NAME Poplar Springs Landfill	
STATION NUMBER R-3 HEMBREE		COUNTY Loudon	
DESCRIPTION Residential Well			
STREAM MILE	DEPTH	MATRIX	Water
COLLECTED: DATE 11/21/14		TIME 13:03	
SAMPLER'S NAME (printed) Patrick Mulligan and Timothy Hill			
SAMPLING AGENCY TDEC-DSWM-KEFO		BILLING CODE EN00004176	
IF PRIORITY, DATE NEEDED			
SEND REPORT TO: Patrick Mulligan			
3711 Middlebrook Pike, Knoxville, TN 37921			
CONTACT HAZARD			
* NPDES Volatiles - 624	* TCL Volatiles - 6260A	* TCLP Volatiles	
Bromoform	X Chloromethane	Benzene	
Bromodichloromethane	X Bromomethane	Carbon tetrachloride	
Carbon Tetrachloride	X Vinyl chloride	Chlorobenzene	
Chlorobenzene	X Chloroethane	Chloroform	
Chloroethane	X Methylene chloride	1,2-Dichloroethane	
2-Chloroethylvinyl ether	X Acetone	1,1-Dichloroethane	
Chloroform	X Carbon disulfide	Methyl ethylketone	
Chloromethane	X 1,1-Dichloroethene	Tetrachloroethene	
Dibromochloromethane	X 1,1-Dichloroethane	Trichloroethene	
X 1,2-Dichlorobenzene	X Cis-1,2-dichloroethene	Vinyl chloride	
X 1,3-Dichlorobenzene	X Trans-1,2-dichloroethene	* BTEX - 8260A - UST	
X 1,4-Dichlorobenzene	X 1,2-Dichloroethane	Benzene	
Dichlorodifluoromethane	X Chloroform	Toluene	
1,1-Dichloroethane	X 2-Butanone	Ethyl benzene	
X 1,2-Dichloroethane	X 1,1,1-Trichloroethane	o-Xylene	
1,1-Dichloroethene	X Carbon tetrachloride	m-Xylene	
Cis-1,2-dichloroethene	X Vinyl acetate	p-Xylene	
Trans-1,2-dichloroethene	X Bromodichloromethane	Methyl t-butyl ether	
1,2-Dichloropropane	X 1,2-Dichloropropane	Diisopropyl ether	
Cis-1,3-dichloropropene	X Cis-1,3-dichloropropene	* TPH by GC	
Trans-1,2-dichloroethene	X Trichloroethene	Gasoline RangeOrganics	
Methylene chloride	X Dibromochloromethane	Diesel RangeOrganics	
1,1,2,2-Tetrachloroethane	X 1,1,2-Trichloroethane	Oil Range Organics	
Tetrachloroethene	X Benzene	* Other	
1,1,1-Trichloroethane	X Trans-1,3-dichloropropene	X Acrylonitrile	
1,1,2-Trichloroethane	X Bromoform	X Bromochloromethane	
Trichloroethene	X 4-Methyl-2-pentanone	X 1,2-Dibromo-3-chloropropane	
X Trichlorofluoromethane	X 2-Hexanone	X 1,2-Dibromoethane	
Vinyl chloride	X Tetrachloroethene	X trans-1,4-Dichloro-2-butene	
Benzene	X Toluene	X Methylene bromide	
Ethylbenzene	X 1,1,2,2-Tetrachloroethane	X Methyl iodide	
Toluene	X Chlorobenzene	X 1,1,1,2-Tetrachloroethane	
o-Xylene	X Ethyl benzene	X 1,2,3-Trichloropropane	
m-Xylene	X Styrene		
p-Xylene	X o-Xylene		
	X m-Xylene		
	X p-Xylene		

Laboratory Number

Chain of Custody and Supplemental Information

Only one chain of custody form is required per sample set or point (if all collected at the same time)

1. Collected by PJP/TNH

Date 11/21/14

Time 13:03

Delivered to

Date 11/21/14

Time 1530

2. Received by

Date 11/21/14

Time 1530

Delivered to

Date 11/24/14

Time 1530

3. Received by

Date 11/25/14

Time 0850

Delivered to

Date

Time

4. Received in Lab by

Date 11/21/14

Time 1530

Logged in by

Date 11/21/14

Time 1608

Additional Information

1. Approximate volume of sample

2. Nearest town or city Loudon, TN

3. Others present at collection JTC, RA, RAB

4. Number of other samples collected at same time at this point 2

5. Field collection procedure, handling and/or preservation of this sample "Potable Water Supply Sampling Procedure" (EPA Region 4 Science and Ecosystem Support Division, Athens, GA, 5/28/2013)

6. Mode of transportation to lab Car

7. Sample sealed by PJM and TNH

8. Date sample sealed 11/21/14

9. Remarks



State of Tennessee - Environmental Laboratories

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K00008198-007

Organic Analysis

Volatiles and Petroleum Hydrocarbons

PROJECT/SITE NO. SNL 53-1062		PROJECT NAME Poplar Springs Landfill		Laboratory Number
STATION NUMBER R-4 HUMPHREYS		COUNTY Loudon		
DESCRIPTION Residential Well				
STREAM MILE	DEPTH	MATRIX	Water	
COLLECTED: DATE 11/21/14		TIME 13:35		
SAMPLER'S NAME (printed) Patrick Mulligan and Timothy Hill				Chain of Custody and Supplemental Information
SAMPLING AGENCY TDEC-DSWM-KEFO				Only one chain of custody form is required per sample set or point (if all collected at the same time)
BILLING CODE EN00004176				1. Collected by PJP/TNH
IF PRIORITY, DATE NEEDED				Date 11/21/14 Time 13:35
SEND REPORT TO: Patrick Mulligan				Delivered to [Signature]
3711 Middlebrook Pike, Knoxville, TN 37921				Date 11-21-14 Time 1530
CONTACT HAZARD				2. Received by [Signature]
				Date 11/21/14 Time 1530
				Delivered to [Signature]
				Date 11/24/14 Time 1530
				3. Received by [Signature]
				Date 11/25/14 Time 0850
				Delivered to [Signature]
				Date [Signature] Time [Signature]
				4. Received in Lab by [Signature]
				Date 11/21/14 Time 1530
				Logged in by [Signature]
				Date 11/21/14 Time 1608
				Additional Information
				1. Approximate volume of sample
				2. Nearest town or city Loudon, TN
				3. Others present at collection JTC, RA, RAB
				4. Number of other samples collected at same time at this point 2
				5. Field collection procedure, handling and/or preservation of this sample "Potable Water Supply Sampling Procedure" (EPA Region 4 Science and Ecosystem Support Division, Athens, GA, 5/28/2013)
				6. Mode of transportation to lab Car
				7. Sample sealed by PJM and TNH
				8. Date sample sealed 11/21/14
				9. Remarks

* NPDES Volatiles - 624	* TCL Volatiles - 6260A	* TCLP Volatiles
Bromoform	X Chloromethane	Benzene
Bromodichloromethane	X Bromomethane	Carbon tetrachloride
Carbon Tetrachloride	X Vinyl chloride	Chlorobenzene
Chlorobenzene	X Chloroethane	Chloroform
Chloroethane	X Methylene chloride	1,2-Dichloroethane
2-Chloroethylvinyl ether	X Acetone	1,1-Dichloroethane
Chloroform	X Carbon disulfide	Methyl ethylketone
Chloromethane	X 1,1-Dichloroethene	Tetrachloroethene
Dibromochloromethane	X 1,1-Dichloroethane	Trichloroethene
X 1,2-Dichlorobenzene	X Cis-1,2-dichloroethene	Vinyl chloride
1,3-Dichlorobenzene	X Trans-1,2-dichloroethene	* BTEX - 8260A - UST
X 1,4-Dichlorobenzene	X 1,2-Dichloroethane	Benzene
Dichlorodifluoromethane	X Chloroform	Toluene
1,1-Dichloroethane	X 2-Butanone	Ethyl benzene
X 1,2-Dichloroethane	X 1,1,1-Trichloroethane	o-Xylene
1,1-Dichloroethene	X Carbon tetrachloride	m-Xylene
Cis-1,2-dichloroethene	X Vinyl acetate	p-Xylene
Trans-1,2-dichloroethene	X Bromodichloromethane	Methyl t-butyl ether
1,2-Dichloropropane	X 1,2-Dichloropropane	Diisopropyl ether
Cis-1,3-dichloropropene	X Cis-1,3-dichloropropene	* TPH by GC
Trans-1,2-dichloroethene	X Trichloroethene	Gasoline RangeOrganics
Methylene chloride	X Dibromochloromethane	Diesel RangeOrganics
1,1,2,2-Tetrachloroethane	X 1,1,2-Trichloroethane	Oil RangeOrganics
Tetrachloroethene	X Benzene	* Other
1,1,1-Trichloroethane	X Trans-1,3-dichloropropene	X Acrylonitrile
1,1,2-Trichloroethane	X Bromoform	X Bromochloromethane
Trichloroethene	X 4-Methyl-2-pentanone	X 1,2-Dibromo-3-chloropropane
X Trichlorofluoromethane	X 2-Hexanone	X 1,2-Dibromoethane
Vinyl chloride	X Tetrachloroethene	X trans-1,4-Dichloro-2-butene
Benzene	X Toluene	X Methylene bromide
Ethylbenzene	X 1,1,2,2-Tetrachloroethane	X Methyl iodide
Toluene	X Chlorobenzene	X 1,1,1,2-Tetrachloroethane
o-Xylene	X Ethyl benzene	X 1,2,3-Trichloropropane
m-Xylene	X Styrene	
p-Xylene	X o-Xylene	
	X m-Xylene	
	X p-Xylene	



State of Tennessee - Environmental Laboratories

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PROJECT/SITE NO. SNL 53-1062		PROJECT NAME Poplar Springs Landfill	
STATION NUMBER R-5 Duplicate 41		COUNTY Loudon	
DESCRIPTION Residential Well - duplicate sample			
STREAM MILE	DEPTH	MATRIX Water	
COLLECTED: DATE 11/21/14	TIME 13:40		
SAMPLER'S NAME (printed) Patrick Mulligan and Timothy Hill			
SAMPLING AGENCY TDEC-DSWM-KEFO		BILLING CODE EN00004176	
IF PRIORITY, DATE NEEDED			
SEND REPORT TO: Patrick Mulligan			
3711 Middlebrook Pike, Knoxville, TN 37921			
CONTACT HAZARD			
* NPDES Volatiles - 624	* TCL Volatiles - 6260A	* TCLP Volatiles	
Bromoform	X Chloromethane	Benzene	
Bromodichloromethane	X Bromomethane	Carbon tetrachloride	
Carbon Tetrachloride	X Vinyl chloride	Chlorobenzene	
Chlorobenzene	X Chloroethane	Chloroform	
Chloroethane	X Methylene chloride	1,2-Dichloroethane	
2-Chloroethylvinyl ether	X Acetone	1,1-Dichloroethane	
Chloroform	X Carbon disulfide	Methyl ethylketone	
Chloromethane	X 1,1-Dichloroethene	Tetrachloroethene	
Dibromochloromethane	X 1,1-Dichloroethane	Trichloroethene	
X 1,2-Dichlorobenzene	X Cis-1,2-dichloroethene	Vinyl chloride	
1,3-Dichlorobenzene	X Trans-1,2-dichloroethene	* BTEX - 8260A - UST	
X 1,4-Dichlorobenzene	X 1,2-Dichloroethane	Benzene	
Dichlorodifluoromethane	X Chloroform	Toluene	
1,1-Dichloroethane	X 2-Butanone	Ethyl benzene	
X 1,2-Dichloroethane	X 1,1,1-Trichloroethane	o-Xylene	
1,1-Dichloroethene	X Carbon tetrachloride	m-Xylene	
Cis-1,2-dichloroethene	X Vinyl acetate	p-Xylene	
Trans-1,2-dichloroethene	X Bromodichloromethane	Methyl t-butyl ether	
1,2-Dichloropropane	X 1,2-Dichloropropane	Diisopropyl ether	
Cis-1,3-dichloropropene	X Cis-1,3-dichloropropene	* TPH by GC	
Trans-1,2-dichloroethene	X Trichloroethene	Gasoline RangeOrganics	
Methylene chloride	X Dibromochloromethane	Diesel RangeOrganics	
1,1,2,2-Tetrachloroethane	X 1,1,2-Trichloroethane	Oil Range Organics	
Tetrachloroethene	X Benzene	* Other	
1,1,1-Trichloroethane	X Trans-1,3-dichloropropene	X Acrylonitrile	
1,1,2-Trichloroethane	X Bromoform	X Bromochloromethane	
Trichloroethene	X 4-Methyl-2-pentanone	X 1,2-Dibromo-3-chloropropane	
X Trichlorofluoromethane	X 2-Hexanone	X 1,2-Dibromoethane	
Vinyl chloride	X Tetrachloroethene	X trans-1,4-Dichloro-2-butene	
Benzene	X Toluene	X Methylene bromide	
Ethylbenzene	X 1,1,2,2-Tetrachloroethane	X Methyl iodide	
Toluene	X Chlorobenzene	X 1,1,1,2-Tetrachloroethane	
o-Xylene	X Ethyl benzene	X 1,2,3-Trichloropropane	
m-Xylene	X Styrene		
p-Xylene	X o-Xylene		
	X m-Xylene		
	X p-Xylene		

Laboratory Number

Chain of Custody and Supplemental Information

Only one chain of custody form is required per sample set or point (if all collected at the same time)

1. Collected by PJP/TNH

Date 11/21/14

Time 13:40

Delivered to

Date 11/21/14

Time 5:30

2. Received by

Date 11/21/14

Time 1530

Delivered to

Date 11/24/14

Time 1530

3. Received by

Date 11/25/14

Time 0850

Delivered to

Date

Time

4. Received in Lab by

Date 11/21/14

Time 1530

Logged in by

Date 11/21/14

Time 1608

Additional Information

1. Approximate volume of sample

2. Nearest town or city Loudon, TN

3. Others present at collection JTC, RA, RAB

4. Number of other samples collected at same time at this point 2

5. Field collection procedure, handling and/or preservation of this sample "Potable Water Supply Sampling Procedure" (EPA Region 4 Science and Ecosystem Support Division, Athens, GA, 5/28/2013)

6. Mode of transportation to lab Car

7. Sample sealed by PJM and TNH

8. Date sample sealed 11/21/14

9. Remarks