

Upstate Laboratories, Inc.

Analytical Report

Date: 07-May-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: MW-1A

Lab Order: U0903258

Collection Date: 3/12/2009 10:31:00 AM

Project: Towslee Landfill

Lab ID: U0903258-001

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
Conductivity	344	1.0		umhos/cm		Analyst: 3/12/2009 10:31:00 AM
Eh	-21	-300		mV		3/12/2009 10:31:00 AM
pH	7.40	6.5-8.5		SU		3/12/2009 10:31:00 AM
Temperature	3.6			degC		3/12/2009 10:31:00 AM
Turbidity	16.7	5.0		NTU		3/12/2009 10:31:00 AM
INORGANIC ANIONS BY IC FOR WATERS						
Bromide	ND	0.20		mg/L	1	Analyst: BY 3/19/2009
ICP METALS, TOTAL ASP						
Cadmium	ND	5.00		µg/L	1	Analyst: LJ 4/23/2009 12:38:23 PM
Calcium	47200	1000		µg/L	1	4/23/2009 12:38:23 PM
Iron	818	60.0		µg/L	1	4/23/2009 12:38:23 PM
Lead	ND	3.00		µg/L	1	4/23/2009 12:38:23 PM
Magnesium	10600	1000		µg/L	1	4/23/2009 12:38:23 PM
Manganese	91.7	10.0		µg/L	1	4/23/2009 12:38:23 PM
Potassium	1520	1000		µg/L	1	4/23/2009 12:38:23 PM
Sodium	13400	1000		µg/L	1	4/23/2009 12:38:23 PM
Hardness, Total(CaCO3)	161000	7000		µg/L	1	4/23/2009 12:38:23 PM
RESIDUE, DISSOLVED (TDS)						
Residue, Dissolved (TDS)	256	25.0		mg/L	1	Analyst: BY 3/13/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT						
Alkalinity, Total (As CaCO3)	130	10		mg/LCaCO3	1	Analyst: VAW 3/14/2009
CHLORIDE WATERS BY LACHAT						
Chloride	30.4	1.00		mg/L	1	Analyst: VAW 3/14/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)						
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	Analyst: KAM 3/17/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT						
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	Analyst: KAM 3/17/2009
NITROGEN, NITRATE (AS N)						
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	Analyst: VAW 3/12/2009 4:05:00 PM
SULFATE						
Sulfate	14.0	5.00		mg/L	1	Analyst: KAF 3/23/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)						
Biochemical Oxygen Demand	ND	4.00		mg/L	1	Analyst: KAF 3/13/2009 8:00:00 AM

Approved By: PH

Date: 5-7-09

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Qualifiers: * Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 07-May-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: MW-1A

Lab Order: U0903258

Collection Date: 3/12/2009 10:31:00 AM

Project: Towslee Landfill

Lab ID: U0903258-001

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CHEMICAL OXYGEN DEMAND (COD)				E410.4		Analyst: KAM
Chemical Oxygen Demand	ND	20		mg/L	1	3/15/2009
TOTAL ORGANIC CARBON (TOC)				E415.1		Analyst: VAW
Organic Carbon, Total	ND	3.0		mg/L	1	3/12/2009
PHENOLICS, TOTAL REC. FOR WATERS				E420.4	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/18/2009

Approved By: PH

Date: 5-7-09

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Qualifiers:

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

Upstate Laboratories, Inc.

Analytical Report

Date: 07-May-09

CLIENT: Cortland Co. Soil and Water Cons. Dist. Client Sample ID: MW-1B
 Lab Order: U0903258 Collection Date: 3/12/2009 10:37:00 AM
 Project: Towslee Landfill
 Lab ID: U0903258-002 Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
Conductivity	205	1.0		umhos/cm		Analyst: 3/12/2009 10:37:00 AM
Eh	-44	-300		mV		3/12/2009 10:37:00 AM
pH	7.80	6.5-8.5		SU		3/12/2009 10:37:00 AM
Temperature	2.7			degC		3/12/2009 10:37:00 AM
Turbidity	2.47	5.0		NTU		3/12/2009 10:37:00 AM
INORGANIC ANIONS BY IC FOR WATERS						
Bromide	ND	0.20		mg/L	1	Analyst: BY 3/19/2009
ICP METALS, TOTAL ASP						
Cadmium	5.42	5.00		µg/L	1	Analyst: LJ 4/23/2009 12:42:56 PM
Calcium	27700	1000		µg/L	1	4/23/2009 12:42:56 PM
Iron	2920	60.0		µg/L	1	4/23/2009 12:42:56 PM
Lead	ND	3.00		µg/L	1	4/23/2009 12:42:56 PM
Magnesium	6760	1000		µg/L	1	4/23/2009 12:42:56 PM
Manganese	223	10.0		µg/L	1	4/23/2009 12:42:56 PM
Potassium	ND	1000		µg/L	1	4/23/2009 12:42:56 PM
Sodium	6370	1000		µg/L	1	4/23/2009 12:42:56 PM
Hardness, Total(CaCO3)	97100	7000		µg/L	1	4/23/2009 12:42:56 PM
RESIDUE, DISSOLVED (TDS)						
Residue, Dissolved (TDS)	160	25.0		mg/L	1	Analyst: BY 3/13/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT						
Alkalinity, Total (As CaCO3)	92	10	H	mg/LCaCO3	1	Analyst: VAW 5/6/2009
NOTES:						
Sample reanalyzed over holding time. Original analysis within holding time.						
CHLORIDE WATERS BY LACHAT						
Chloride	2.86	1.00	H	mg/L	1	Analyst: VAW 5/6/2009
NOTES:						
Sample reanalyzed over holding time. Original analysis within holding time.						
NITROGEN, AMMONIA (AS NH3 BY LACHAT)						
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	Analyst: KAM 3/17/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT						
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	Analyst: KAM 3/17/2009
NITROGEN, NITRATE (AS N)						
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	Analyst: VAW 3/12/2009 4:05:00 PM
SULFATE						
				E375.4		Analyst: KAF

Approved By: PH

Date: 5-7-09

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** Value exceeds Maximum Contaminant Value

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.**Analytical Report**

Date: 07-May-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0903258
Project: Towslee Landfill
Lab ID: U0903258-002

Client Sample ID: MW-1B
Collection Date: 3/12/2009 10:37:00 AM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SULFATE				E375.4		Analyst: KAF
Sulfate	6.37	5.00		mg/L	1	3/23/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				E405.1		Analyst: KAF
Biochemical Oxygen Demand	ND	4.00		mg/L	1	3/13/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				E410.4		Analyst: KAM
Chemical Oxygen Demand	ND	20		mg/L	1	3/15/2009
TOTAL ORGANIC CARBON (TOC)				E415.1		Analyst: VAW
Organic Carbon, Total	ND	3.0		mg/L	1	3/12/2009
PHENOLICS, TOTAL REC. FOR WATERS				E420.4	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/18/2009

Approved By: PHDate: 5-7-09

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Upstate Laboratories, Inc.

Analytical Report

Date: 07-May-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0903258
Project: Towslee Landfill
Lab ID: U0903258-003

Client Sample ID: MW-2A
Collection Date: 3/12/2009 11:20:00 AM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
				FLD		Analyst:
Conductivity	601	1.0		umhos/cm		3/12/2009 11:20:00 AM
Eh	-34	-300		mV		3/12/2009 11:20:00 AM
pH	7.63	6.5-8.5		SU		3/12/2009 11:20:00 AM
Temperature	3.1			degC		3/12/2009 11:20:00 AM
Turbidity	5.60	5.0		NTU		3/12/2009 11:20:00 AM
INORGANIC ANIONS BY IC FOR WATERS						
				E300.1		Analyst: BY
Bromide	ND	2.0		mg/L	10	3/19/2009
NOTES:						
The reporting limits were raised due to matrix interference.						
ICP METALS, TOTAL ASP						
				E200.7	(E200.7)	Analyst: LJ
Cadmium	ND	5.00		µg/L	1	4/23/2009 12:47:31 PM
Calcium	66700	1000		µg/L	1	4/23/2009 12:47:31 PM
Iron	7770	60.0		µg/L	1	4/23/2009 12:47:31 PM
Lead	ND	3.00		µg/L	1	4/23/2009 12:47:31 PM
Magnesium	15100	1000		µg/L	1	4/23/2009 12:47:31 PM
Manganese	10700	10.0		µg/L	1	4/23/2009 12:47:31 PM
Potassium	7480	1000		µg/L	1	4/23/2009 12:47:31 PM
Sodium	17800	1000		µg/L	1	4/23/2009 12:47:31 PM
Hardness, Total(CaCO3)	229000	7000		µg/L	1	4/23/2009 12:47:31 PM
RESIDUE, DISSOLVED (TDS)						
				E160.1		Analyst: BY
Residue, Dissolved (TDS)	316	25.0		mg/L	1	3/13/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT						
				E310.2		Analyst: VAW
Alkalinity, Total (As CaCO3)	320	10		mg/LCaCO3	1	3/14/2009
CHLORIDE WATERS BY LACHAT						
				E325.2		Analyst: VAW
Chloride	13.7	1.00		mg/L	1	3/14/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)						
				E350.1		Analyst: BY
Nitrogen, Ammonia (As NH3)	8.43	0.500		mg/L	1	3/19/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT						
				E351.2		Analyst: KAM
Nitrogen, Kjeldahl, Total	10.3	0.500		mg/L	1	3/17/2009
NITROGEN, NITRATE (AS N)						
				E353.2		Analyst: VAW
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	3/12/2009 4:05:00 PM
SULFATE						
				E375.4		Analyst: KAF
Sulfate	ND	5.00		mg/L	1	3/23/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)						
				E405.1		Analyst: KAF

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Upstate Laboratories, Inc.

Analytical Report

Date: 07-May-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0903258
Project: Towslee Landfill
Lab ID: U0903258-003

Client Sample ID: MW-2A
Collection Date: 3/12/2009 11:20:00 AM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				E405.1		Analyst: KAF
Biochemical Oxygen Demand	ND	4.00		mg/L	1	3/13/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				E410.4		Analyst: KAM
Chemical Oxygen Demand	ND	20		mg/L	1	3/15/2009
TOTAL ORGANIC CARBON (TOC)				E415.1		Analyst: VAW
Organic Carbon, Total	4.8	3.0		mg/L	1	3/12/2009
PHENOLICS, TOTAL REC. FOR WATERS				E420.4	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/18/2009

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Qualifiers: * Low Level
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S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 07-May-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: MW-2B

Lab Order: U0903258

Collection Date: 3/12/2009 11:27:00 AM

Project: Towslee Landfill

Lab ID: U0903258-004

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
Conductivity	1135	1.0		umhos/cm		Analyst: 3/12/2009 11:27:00 AM
Eh	-22	-300		mV		3/12/2009 11:27:00 AM
pH	7.42	6.5-8.5		SU		3/12/2009 11:27:00 AM
Temperature	4.9			degC		3/12/2009 11:27:00 AM
Turbidity	11.0	5.0		NTU		3/12/2009 11:27:00 AM
INORGANIC ANIONS BY IC FOR WATERS						
Bromide	ND	0.20		mg/L	1	Analyst: BY 3/19/2009
ICP METALS, TOTAL ASP						
Cadmium	ND	5.00		µg/L	1	Analyst: LJ 4/23/2009 12:52:22 PM
Calcium	201000	1000		µg/L	1	4/23/2009 12:52:22 PM
Iron	466	60.0		µg/L	1	4/23/2009 12:52:22 PM
Lead	ND	3.00		µg/L	1	4/23/2009 12:52:22 PM
Magnesium	42900	1000		µg/L	1	4/23/2009 12:52:22 PM
Manganese	6500	10.0		µg/L	1	4/23/2009 12:52:22 PM
Potassium	2440	1000		µg/L	1	4/23/2009 12:52:22 PM
Sodium	49300	1000		µg/L	1	4/23/2009 12:52:22 PM
Hardness, Total(CaCO3)	678000	7000		µg/L	1	4/23/2009 12:52:22 PM
RESIDUE, DISSOLVED (TDS)						
Residue, Dissolved (TDS)	872	25.0		mg/L	1	Analyst: BY 3/13/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT						
Alkalinity, Total (As CaCO3)	650	100		mg/LCaCO3	10	Analyst: VAW 3/14/2009
CHLORIDE WATERS BY LACHAT						
Chloride	118	10.0		mg/L	10	Analyst: VAW 3/14/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)						
Nitrogen, Ammonia (As NH3)	0.642	0.500		mg/L	1	Analyst: BY 3/19/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT						
Nitrogen, Kjeldahl, Total	1.22	0.500		mg/L	1	Analyst: KAM 3/17/2009
NITROGEN, NITRATE (AS N)						
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	Analyst: VAW 3/12/2009 4:05:00 PM
SULFATE						
Sulfate	ND	5.00		mg/L	1	Analyst: KAF 3/24/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)						
Biochemical Oxygen Demand	ND	4.00		mg/L	1	Analyst: KAF 3/13/2009 8:00:00 AM

Approved By: PH

Date: 5-7-09

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Qualifiers: * Low Level
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 E Value above quantitation range
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 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 07-May-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: MW-2B

Lab Order: U0903258

Collection Date: 3/12/2009 11:27:00 AM

Project: Towslee Landfill

Lab ID: U0903258-004

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CHEMICAL OXYGEN DEMAND (COD)				E410.4		Analyst: KAM
Chemical Oxygen Demand	ND	20		mg/L	1	3/15/2009
TOTAL ORGANIC CARBON (TOC)				E415.1		Analyst: VAW
Organic Carbon, Total	4.5	3.0		mg/L	1	3/12/2009
PHENOLICS, TOTAL REC. FOR WATERS				E420.4	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/25/2009

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Date: 5-7-09

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Upstate Laboratories, Inc.

Analytical Report

Date: 07-May-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0903258
Project: Towslee Landfill
Lab ID: U0903258-005

Client Sample ID: MW-3A
Collection Date: 3/12/2009 10:04:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
				FLD		Analyst:
Conductivity	1069	1.0		umhos/cm		3/12/2009 10:04:00 AM
Eh	-26	-300		mV		3/12/2009 10:04:00 AM
pH	7.49	6.5-8.5		SU		3/12/2009 10:04:00 AM
Temperature	4.2			degC		3/12/2009 10:04:00 AM
Turbidity	10.9	5.0		NTU		3/12/2009 10:04:00 AM
INORGANIC ANIONS BY IC FOR WATERS						
				E300.1		Analyst: BY
Bromide	ND	0.20		mg/L	1	3/19/2009
ICP METALS, TOTAL ASP						
				E200.7	(E200.7)	Analyst: LJ
Cadmium	ND	5.00		µg/L	1	4/23/2009 12:57:13 PM
Calcium	12300	1000		µg/L	1	4/23/2009 12:57:13 PM
Iron	600	60.0		µg/L	1	4/23/2009 12:57:13 PM
Lead	ND	3.00		µg/L	1	4/23/2009 12:57:13 PM
Magnesium	1820	1000		µg/L	1	4/23/2009 12:57:13 PM
Manganese	294	10.0		µg/L	1	4/23/2009 12:57:13 PM
Potassium	ND	1000		µg/L	1	4/23/2009 12:57:13 PM
Sodium	ND	1000		µg/L	1	4/23/2009 12:57:13 PM
Hardness, Total(CaCO3)	38100	7000		µg/L	1	4/23/2009 12:57:13 PM
RESIDUE, DISSOLVED (TDS)						
				E160.1		Analyst: BY
Residue, Dissolved (TDS)	88.0	25.0		mg/L	1	3/13/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT						
				E310.2		Analyst: VAW
Alkalinity, Total (As CaCO3)	18	10		mg/LCaCO3	1	3/14/2009
CHLORIDE WATERS BY LACHAT						
				E325.2		Analyst: VAW
Chloride	1.85	1.00		mg/L	1	3/14/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)						
				E350.1		Analyst: KAM
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	3/17/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT						
				E351.2		Analyst: KAM
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	3/17/2009
NITROGEN, NITRATE (AS N)						
				E353.2		Analyst: VAW
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	3/12/2009 4:05:00 PM
SULFATE						
				E375.4		Analyst: KAF
Sulfate	7.53	5.00		mg/L	1	3/24/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)						
				E405.1		Analyst: KAF
Biochemical Oxygen Demand	ND	4.00		mg/L	1	3/13/2009 8:00:00 AM

Approved By: PH

Date: 5-7-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
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** Value exceeds Maximum Contaminant Value
E Value above quantitation range
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S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 07-May-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0903258
Project: Towslee Landfill
Lab ID: U0903258-005

Client Sample ID: MW-3A
Collection Date: 3/12/2009 10:04:00 AM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CHEMICAL OXYGEN DEMAND (COD)				E410.4		Analyst: KAM
Chemical Oxygen Demand	ND	20		mg/L	1	3/15/2009
TOTAL ORGANIC CARBON (TOC)				E415.1		Analyst: VAW
Organic Carbon, Total	ND	3.0		mg/L	1	3/12/2009
PHENOLICS, TOTAL REC. FOR WATERS				E420.4	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/18/2009

Approved By: PH

Date: 5-7-09

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Qualifiers:

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- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 07-May-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: MW-6B

Lab Order: U0903258

Collection Date: 3/12/2009 11:50:00 AM

Project: Towslee Landfill

Lab ID: U0903258-006

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
Conductivity	327	1.0		umhos/cm		Analyst: 3/12/2009 11:50:00 AM
Eh	-38	-300		mV		3/12/2009 11:50:00 AM
pH	7.70	6.5-8.5		SU		3/12/2009 11:50:00 AM
Temperature	6.5			degC		3/12/2009 11:50:00 AM
Turbidity	9.56	5.0		NTU		3/12/2009 11:50:00 AM
INORGANIC ANIONS BY IC FOR WATERS						
Bromide	ND	0.20		mg/L	1	Analyst: BY 3/19/2009
ICP METALS, TOTAL ASP						
Cadmium	ND	5.00		µg/L	1	Analyst: LJ 4/23/2009 1:01:54 PM
Calcium	39600	1000		µg/L	1	4/23/2009 1:01:54 PM
Iron	268	60.0		µg/L	1	4/23/2009 1:01:54 PM
Lead	ND	3.00		µg/L	1	4/23/2009 1:01:54 PM
Magnesium	10500	1000		µg/L	1	4/23/2009 1:01:54 PM
Manganese	25.7	10.0		µg/L	1	4/23/2009 1:01:54 PM
Potassium	1010	1000		µg/L	1	4/23/2009 1:01:54 PM
Sodium	13100	1000		µg/L	1	4/23/2009 1:01:54 PM
Hardness, Total(CaCO3)	142000	7000		µg/L	1	4/23/2009 1:01:54 PM
RESIDUE, DISSOLVED (TDS)						
Residue, Dissolved (TDS)	188	25.0		mg/L	1	Analyst: BY 3/13/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT						
Alkalinity, Total (As CaCO3)	120	10		mg/LCaCO3	1	Analyst: VAW 3/14/2009
CHLORIDE WATERS BY LACHAT						
Chloride	13.3	1.00		mg/L	1	Analyst: VAW 3/14/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)						
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	Analyst: KAM 3/17/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT						
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	Analyst: KAM 3/17/2009
NITROGEN, NITRATE (AS N)						
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	Analyst: VAW 3/12/2009 4:05:00 PM
SULFATE						
Sulfate	13.2	5.00		mg/L	1	Analyst: KAF 3/24/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)						
Biochemical Oxygen Demand	ND	4.00		mg/L	1	Analyst: KAF 3/13/2009 8:00:00 AM

Approved By: PH

Date: 5-7-09

Page 11 of 16

Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 07-May-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: MW-6B

Lab Order: U0903258

Collection Date: 3/12/2009 11:50:00 AM

Project: Towslee Landfill

Lab ID: U0903258-006

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CHEMICAL OXYGEN DEMAND (COD)				E410.4		Analyst: KAM
Chemical Oxygen Demand	ND	20		mg/L	1	3/15/2009
TOTAL ORGANIC CARBON (TOC)				E415.1		Analyst: VAW
Organic Carbon, Total	ND	3.0		mg/L	1	3/12/2009
PHENOLICS, TOTAL REC. FOR WATERS				E420.4	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/18/2009

Approved By: PH

Date: 5-7-09

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Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.**Analytical Report**

Date: 07-May-09

CLIENT:	Cortland Co. Soil and Water Cons. Dist.	Client Sample ID:	MW-7A
Lab Order:	U0903258	Collection Date:	3/12/2009 11:00:00 AM
Project:	Towslee Landfill		
Lab ID:	U0903258-007	Matrix:	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
				FLD		Analyst:
Conductivity	1014	1.0		umhos/cm		3/12/2009 11:00:00 AM
Eh	-19	-300		mV		3/12/2009 11:00:00 AM
pH	7.35	6.5-8.5		SU		3/12/2009 11:00:00 AM
Temperature	4.2			degC		3/12/2009 11:00:00 AM
Turbidity	40.9	5.0		NTU		3/12/2009 11:00:00 AM
INORGANIC ANIONS BY IC FOR WATERS						
				E300.1		Analyst: BY
Bromide	ND	0.20		mg/L	1	3/19/2009
ICP METALS, TOTAL ASP						
				E200.7	(E200.7)	Analyst: LJ
Cadmium	ND	5.00		µg/L	1	4/23/2009 1:24:38 PM
Calcium	140000	1000		µg/L	1	4/23/2009 1:24:38 PM
Iron	322	60.0		µg/L	1	4/23/2009 1:24:38 PM
Lead	ND	3.00		µg/L	1	4/23/2009 1:24:38 PM
Magnesium	35800	1000		µg/L	1	4/23/2009 1:24:38 PM
Manganese	4310	10.0		µg/L	1	4/23/2009 1:24:38 PM
Potassium	1620	1000		µg/L	1	4/23/2009 1:24:38 PM
Sodium	97000	1000		µg/L	1	4/23/2009 1:24:38 PM
Hardness, Total(CaCO3)	496000	7000		µg/L	1	4/23/2009 1:24:38 PM
RESIDUE, DISSOLVED (TDS)						
				E160.1		Analyst: BY
Residue, Dissolved (TDS)	748	25.0		mg/L	1	3/13/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT						
				E310.2		Analyst: VAW
Alkalinity, Total (As CaCO3)	500	10		mg/LCaCO3	1	3/14/2009
CHLORIDE WATERS BY LACHAT						
				E325.2		Analyst: VAW
Chloride	114	1.00		mg/L	1	3/14/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)						
				E350.1		Analyst: BY
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	3/19/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT						
				E351.2		Analyst: KAM
Nitrogen, Kjeldahl, Total	1.92	0.500		mg/L	1	3/17/2009
NITROGEN, NITRATE (AS N)						
				E353.2		Analyst: VAW
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	3/12/2009 4:05:00 PM
SULFATE						
				E375.4		Analyst: KAF
Sulfate	21.0	5.00		mg/L	1	3/24/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)						
				E405.1		Analyst: KAF
Biochemical Oxygen Demand	ND	4.00		mg/L	1	3/13/2009 8:00:00 AM

Approved By: PH

Date: 5-7-09

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Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 07-May-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: MW-7A

Lab Order: U0903258

Collection Date: 3/12/2009 11:00:00 AM

Project: Towslee Landfill

Lab ID: U0903258-007

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CHEMICAL OXYGEN DEMAND (COD)				E410.4		Analyst: KAM
Chemical Oxygen Demand	ND	20		mg/L	1	3/15/2009
TOTAL ORGANIC CARBON (TOC)				E415.1		Analyst: VAW
Organic Carbon, Total	5.1	3.0		mg/L	1	3/12/2009
PHENOLICS, TOTAL REC. FOR WATERS				E420.4	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/18/2009

Approved By: *PH*

Date: *5-7-09*

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Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 07-May-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: MW-1B Dupe

Lab Order: U0903258

Collection Date: 3/12/2009 10:37:00 AM

Project: Towslee Landfill

Lab ID: U0903258-008

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS BY IC FOR WATERS						
Bromide	ND	0.20		mg/L	1	Analyst: BY 3/19/2009
ICP METALS, TOTAL ASP						
Cadmium	ND	5.00		µg/L	1	Analyst: LJ 4/23/2009 1:29:28 PM
Calcium	26000	1000		µg/L	1	4/23/2009 1:29:28 PM
Iron	198	60.0		µg/L	1	4/23/2009 1:29:28 PM
Lead	ND	3.00		µg/L	1	4/23/2009 1:29:28 PM
Magnesium	6310	1000		µg/L	1	4/23/2009 1:29:28 PM
Manganese	190	10.0		µg/L	1	4/23/2009 1:29:28 PM
Potassium	ND	1000		µg/L	1	4/23/2009 1:29:28 PM
Sodium	6020	1000		µg/L	1	4/23/2009 1:29:28 PM
Hardness, Total(CaCO3)	90800	7000		µg/L	1	4/23/2009 1:29:28 PM
RESIDUE, DISSOLVED (TDS)						
Residue, Dissolved (TDS)	184	25.0		mg/L	1	Analyst: BY 3/13/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT						
Alkalinity, Total (As CaCO3)	82	10	H	mg/LCaCO3	1	Analyst: VAW 5/6/2009
NOTES: Sample reanalyzed over holding time. Original analysis within holding time.						
CHLORIDE WATERS BY LACHAT						
Chloride	2.69	1.00	H	mg/L	1	Analyst: VAW 5/6/2009
NOTES: Sample reanalyzed over holding time. Original analysis within holding time.						
NITROGEN, AMMONIA (AS NH3 BY LACHAT)						
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	Analyst: BY 3/19/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT						
Nitrogen, Kjeldahl, Total	0.919	0.500		mg/L	1	Analyst: KAM 3/17/2009
NITROGEN, NITRATE (AS N)						
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	Analyst: VAW 3/12/2009 4:05:00 PM
SULFATE						
Sulfate	11.0	5.00		mg/L	1	Analyst: KAF 3/24/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)						
Biochemical Oxygen Demand	ND	4.00		mg/L	1	Analyst: KAF 3/13/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)						
Chemical Oxygen Demand	ND	20		mg/L	1	Analyst: KAM 3/15/2009

Approved By: PH

Date: 5-7-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 07-May-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0903258
Project: Towslee Landfill
Lab ID: U0903258-008

Client Sample ID: MW-1B Dupe
Collection Date: 3/12/2009 10:37:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TOTAL ORGANIC CARBON (TOC)				E415.1		Analyst: VAW
Organic Carbon, Total	ND	3.0		mg/L	1	3/12/2009
PHENOLICS, TOTAL REC. FOR WATERS				E420.4	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	3/18/2009

Approved By: PH

Date: 5-7-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 2/10/2001

Client: Cortland County

Project: Towslee Landfill

Well ID.: MW-1A

NO. 10-2011-22 (01/10/01)

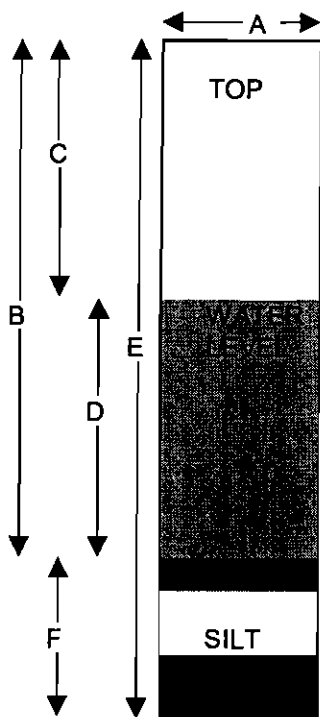
Condition of Well: Good

Locked: YES

Method of Evacuation: Dedicated Bailer

Lock ID: _____

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>33.7</u>	feet
C.	Depth to Water	<u>1.42</u>	feet
D.	Length of Water Column (calculated)	<u>32.28</u>	feet
	Conversion Factor	<u>X.16</u>	----
	Well Volume (calculated)	<u>5.1648</u>	gallons
	No. of Volumes to be Evacuated	<u>X3</u>	----
	Total Volume to be Evacuated	<u>15.4944</u>	gallons
	Actual Volume Evacuated	<u>15.5</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>3/11/09</u>	<u>3/12/09</u>
Time	<u>10:35 am</u>	<u>10:31 am</u>
EH	<u>-28</u>	<u>-21</u>
Temperature	<u>7.9°c</u>	<u>3.6°c</u>
pH	<u>7.50</u>	<u>7.40</u>
Specific Cond.	<u>263</u>	<u>344</u>
Turbidity	<u>17.8</u>	<u>16.7</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Sl. Cloudy</u>	<u>Sl. Cloudy</u>

% Recharge:

Initial Depth to Water 1.42 feet

Recharge Depth to Water 1.33 feet

2nd water column height 14.76 %

1st water column height

Elevation (Top of Casing) N/A feet

G.W. Elevation = N/A feet

G.W. Elevation = Top of Case Elev - Total Depth

Weather: 36° cloudy 25° snow

Observations: _____

Sampler:

Justin Gibson

Signature:

Justin Gibson

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 2/10/2001

Client: Cortland County
 Project: Towslee Landfill
 Well ID.: MW-1B

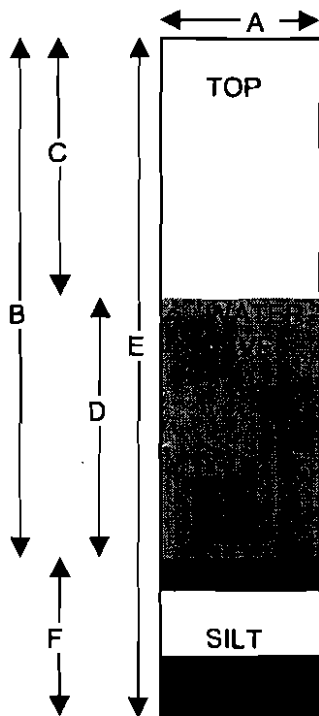
Condition of Well: Good

Locked: NO Yes

Method of Evacuation: Dedicated Bailer

Lock ID: _____

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>55.5</u>	feet
C.	Depth to Water	<u>1.58</u>	feet
D.	Length of Water Column (calculated)	<u>53.92</u>	feet
	Conversion Factor	<u>X.16</u>	----
	Well Volume (calculated)	<u>8.6272</u>	gallons
	No. of Volumes to be Evacuated	<u>X3</u>	----
	Total Volume to be Evacuated	<u>25.8816</u>	gallons
	Actual Volume Evacuated	<u>26</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>3/11/09</u>	<u>3/12/08</u>
Time	<u>10:39 am</u>	<u>10:37 AM</u>
EH	<u>-42</u>	<u>-44</u>
Temperature	<u>6.1°C</u>	<u>2.7°C</u>
pH	<u>7.75</u>	<u>7.80</u>
Specific Cond.	<u>213</u>	<u>205</u>
Turbidity	<u>2.21</u>	<u>2.47</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>clear</u>	<u>clear</u>

% Recharge:	
Initial Depth to Water	<u>1.58</u> feet
Recharge Depth to Water	<u>1.47</u> feet
2nd water column height	<u>107.48 %</u>
1st water column height	

Elevation (Top of Casing)	<u>N/A</u> feet
G.W. Elevation =	<u>N/A</u> feet
G.W. Elevation = Top of Case Elev - Total Depth	

Weather: 36° cloudy 25° snow

Observations: Dupe

Sampler:
Justin Gibson

Signature: Justin Gibson

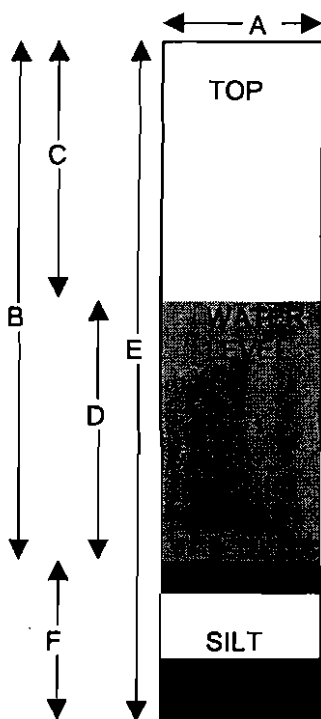
Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 2/10/2001

Client: Cortland CountyProject: Towslee LandfillWell ID.: MW-2ACondition of Well: GoodLocked: YESMethod of Evacuation: Dedicated Bailer

Lock ID: _____

Method of Sampling: Dedicated Bailer

A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>12.8</u>	feet
C.	Depth to Water	<u>5.41</u>	feet
D.	Length of Water Column (calculated)	<u>7.39</u>	feet
	Conversion Factor	<u>X.16</u>	-----
	Well Volume (calculated)	<u>1.1824</u>	gallons
	No. of Volumes to be Evacuated	<u>X3</u>	-----
	Total Volume to be Evacuated	<u>3.5472</u>	gallons
	Actual Volume Evacuated	<u>4</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>3/11/09</u>	<u>3/12/09</u>
Time	<u>11:25 am</u>	<u>11:20 am</u>
EH	<u>-13</u>	<u>-34</u>
Temperature	<u>6.2°C</u>	<u>3.1°C</u>
pH	<u>7.22</u>	<u>7.63</u>
Specific Cond.	<u>609</u>	<u>601</u>
Turbidity	<u>441.2</u>	<u>5.60</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>cloudy</u>	<u>clear</u>

% Recharge:

Initial Depth to Water 5.41 feetRecharge Depth to Water 5.63 feet2nd water column height 96.09 %

1st water column height

Elevation (Top of Casing) N/A feetG.W. Elevation = N/A feet

G.W. Elevation = Top of Case Elev - Total Depth

Weather: 36° cloudy 25° snow

Observations: _____

Sampler:
Justin Gibson

Signature:

Justin Gibson

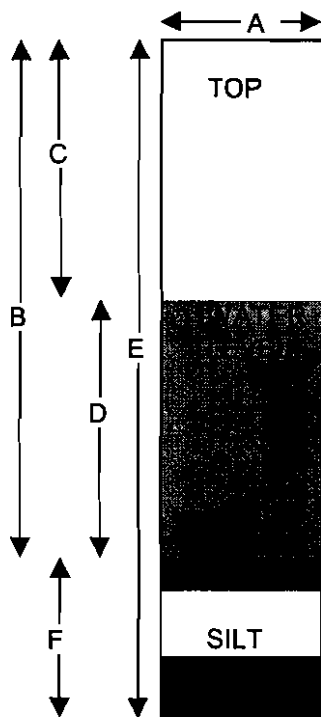
Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 2/10/2001

Client: Cortland CountyProject: Towslee LandfillWell ID.: MW-2BCondition of Well: Good - lid brokenLocked: YESMethod of Evacuation: Dedicated Bailer

Lock ID: _____

Method of Sampling: Dedicated Bailer

A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>33.5</u>	feet
C.	Depth to Water	<u>6.38</u>	feet
D.	Length of Water Column (calculated)	<u>27.12</u>	feet
	Conversion Factor	<u>X.16</u>	----
	Well Volume (calculated)	<u>4.3392</u>	gallons
	No. of Volumes to be Evacuated	<u>X3</u>	----
	Total Volume to be Evacuated	<u>13.0176</u>	gallons
	Actual Volume Evacuated	<u>13.5</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>3/11/09</u>	<u>3/12/09</u>
Time	<u>11:29 am</u>	<u>11:27 am</u>
EH	<u>-14</u>	<u>-22</u>
Temperature	<u>6.1°C</u>	<u>4.9°C</u>
pH	<u>7.26</u>	<u>7.42</u>
Specific Cond.	<u>1021</u>	<u>1135</u>
Turbidity	<u>18.6</u>	<u>11.0</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Sl. Cloudy</u>	<u>clear</u>

Weather: 36° cloudy 25° snow

Observations: hinge on well lid broken

% Recharge:

Initial Depth to Water 6.38 feetRecharge Depth to Water 6.58 feet2nd water column height 96.96 %

1st water column height

Elevation (Top of Casing) N/A feetG.W. Elevation = N/A feet

G.W. Elevation = Top of Case Elev - Total Depth

Sampler:

Justin Gibson

Signature:

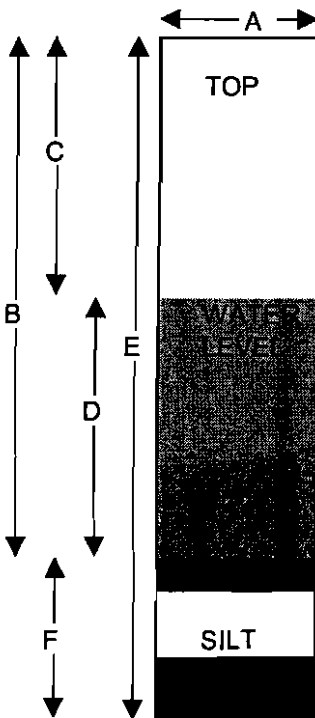
Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 2/10/2001

Client: Cortland CountyProject: Towslee LandfillWell ID.: MW-3ACondition of Well: GoodLocked: YES NoMethod of Evacuation: Dedicated Bailer

Lock ID: _____

Method of Sampling: Dedicated Bailer

A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>22.40</u>	feet
C.	Depth to Water	<u>5.81</u>	feet
D.	Length of Water Column (calculated)	<u>16.59</u>	feet
	Conversion Factor	<u>X.16</u>	----
	Well Volume (calculated)	<u>2.6544</u>	gallons
	No. of Volumes to be Evacuated	<u>X3</u>	----
	Total Volume to be Evacuated	<u>7.9632</u>	gallons
	Actual Volume Evacuated	<u>8</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>3/11/09</u>	<u>3/12/09</u>
Time	<u>10:21 am</u>	<u>10:04 am</u>
EH	<u>-64</u>	<u>-26</u>
Temperature	<u>11.0°C</u>	<u>4.2°C</u>
pH	<u>8.14</u>	<u>7.49</u>
Specific Cond.	<u>1544</u>	<u>1069</u>
Turbidity	<u>5.76</u>	<u>10.9</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>clear</u>	<u>clear</u>

% Recharge:

Initial Depth to Water 5.81 feetRecharge Depth to Water 6.12 feet2nd water column height 94.8%

1st water column height

Elevation (Top of Casing) N/A feetG.W. Elevation = N/A feet

G.W. Elevation = Top of Case Elev - Total Depth

Weather: 36° cloudy 25° sunny

Observations: _____

Sampler:

Justin Gibson

Signature:

Justin Gibson

Upstate Laboratories, Inc. Ground water Field Log

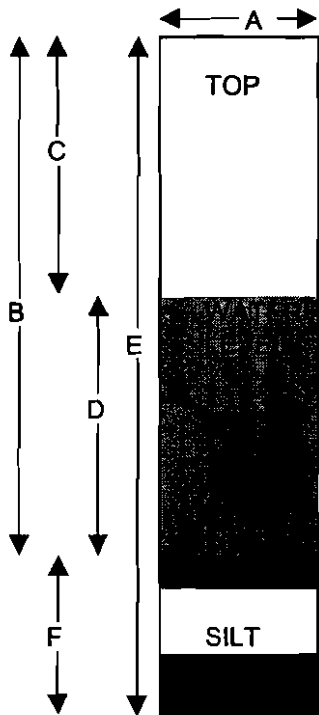
File: TS-30-01

Revised: 2/10/2001

Client: Cortland County
 Project: Towslee Landfill
 Well ID.: MW-6B

Condition of Well: Good
 Method of Evacuation: Dedicated Bailer
 Method of Sampling: Dedicated Bailer

Locked: NO Yes
 Lock ID: _____



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>40.75</u>	feet
C.	Depth to Water	<u>12.09</u>	feet
D.	Length of Water Column (calculated)	<u>28.66</u>	feet
	Conversion Factor	<u>X.16</u>	_____
	Well Volume (calculated)	<u>4.5856</u>	gallons
	No. of Volumes to be Evacuated	<u>X3</u>	_____
	Total Volume to be Evacuated	<u>13.7568</u>	gallons
	Actual Volume Evacuated	<u>14</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>3/11/09</u>	<u>3/12/09</u>
Time	<u>11:55 am</u>	<u>11:50 am</u>
EH	<u>-17</u>	<u>-38</u>
Temperature	<u>8.8°C</u>	<u>6.5°C</u>
pH	<u>7.30</u>	<u>7.70</u>
Specific Cond.	<u>355</u>	<u>327</u>
Turbidity	<u>5.42</u>	<u>9.56</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>clear</u>	<u>clear</u>

Weather: 36° cloudy 25° snow
 Observations: _____

% Recharge:

Initial Depth to Water 12.09 feet
 Recharge Depth to Water 12.23 feet
 2nd water column height 98.85%
 1st water column height _____

Elevation (Top of Casing) N/A feet
 G.W. Elevation = N/A feet
 G.W. Elevation = Top of Case Elev - Total Depth

Sampler:
 Justin Gibson

Signature: Justin Gibson

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 2/10/2001

Client: Cortland County
 Project: Towslee Landfill
 Well ID.: MW-7A

ULI ID No. (enter by lab)

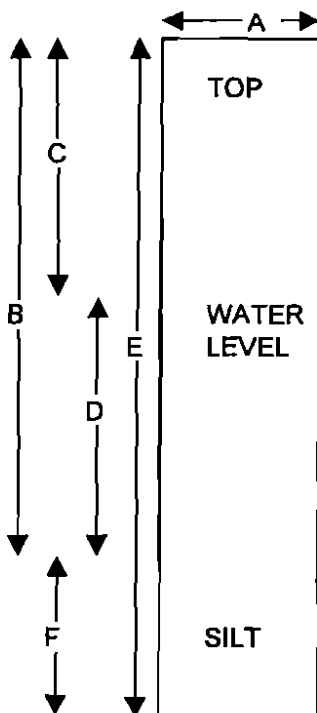
Condition of Well: Good

Locked: YES

Method of Evacuation: Dedicated Bailer

Lock ID: _____

Method of Sampling: Dedicated Bailer



A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>22.20</u>	feet
C.	Depth to Water	<u>3.23</u>	feet
D.	Length of Water Column (calculated)	<u>18.97</u>	feet
	Conversion Factor	<u>X.16</u>	—
	Well Volume (calculated)	<u>3.0352</u>	gallons
	No. of Volumes to be Evacuated	<u>X3</u>	—
	Total Volume to be Evacuated	<u>9.1056</u>	gallons
	Actual Volume Evacuated	<u>9.5</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Evacuation

Final Sampling

Date: 3/11/09
 Time: 11:07 am
 EH: -2
 Temperature: 8.8°C
 pH: 7.05
 Specific Cond.: 962
 Turbidity: 4.62
 Dissolved Oxygen: N/A
 Appearance: clear
 Weather: 36° cloudy
 Observations: _____

Date: 3/12/09
 Time: 11:00 am
 EH: -19
 Temperature: 4.2°C
 pH: 7.35
 Specific Cond.: 1014
 Turbidity: 40.9
 Dissolved Oxygen: N/A
 Appearance: cloudy
 Weather: 25° snow
 Observations: _____

% Recharge:

Initial Depth to Water: 3.23 feet
 Recharge Depth to Water: 3.76 feet

2nd water column height: 85.90 %
 1st water column height: _____

Elevation (Top of Casing): N/A feet
 G.W. Elevation = N/A feet
 G.W. Elevation = Top of Case Elev - Total Depth

Sampler: Justin Gibson
 Signature: Justin Gibson

Upstate Laboratories, Inc.

Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057

Phone (315) 437 0255

Fax (315) 437 1209

ULI Computer Input Form

Client:		Project #/ Project Name		Number of Containers												Remarks		
CORTLAND COUNTY		TOWSLEE LANDFILL																
Client Contact:		Phone #		Location (city/state) Address														Remarks
PATRICK REIDY		607-753-0851		CORTLANDVILLE, NY														
Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only	1	2	3	4	5	6	7	8	9	10	93 REGS ASP-A		
MW-1A	3/12/09	10:31am	WATER	GRAB	1	6	X	X	+	X	X	X						
MW-1B	3/12/09	10:37am	WATER	GRAB	2	6	X	X	X	X	X	X						
MW-2A	3/12/09	11:20am	WATER	GRAB	3	6	X	X	X	X	X	X						
MW-2B	3/12/09	11:27am	WATER	GRAB	4	6	X	X	X	X	X	X						
MW-3A	3/12/09	10:04am	WATER	GRAB	5	6	X	X	X	X	X	X						
MW-6B	3/12/09	11:50am	WATER	GRAB	6	6	X	X	X	X	X	X				MSD		
MW-7A	3/12/09	11:00am	WATER	GRAB	7	6	X	X	X	X	X	X						
MW-13 DUPE	3/12/09	10:37am	WATER	GRAB	8	6	X	X	X	X	X	X						
MS/MSD	3/12/09																	
Parameter and Method		Sample bottle:	Type	Size	Preservative	Sampled by (Print)			Name of Courier									
1 FIELD PH,TEMP,EH,SPEC.COND.,TURBIDITY			N/A			Justin Gibson												
2 BOD5,NO3,TDS,SO4,CL-,BROMIDE			PLASTIC	2000ML	NONE	Company: ULI												
3 TKN,NH3,COD			PLASTIC	500 ML	H2SO4	Relinquished by: (sign)			Date	Time	Received by: (sign)							
4 TOC			PLASTIC	120 ML	1:1 HCL													
5 ALKALINITY			GLASS	250 ML	NONE													
6 T-PHENOLS			AMBER	LITER	H2SO4	Relinquished by: (sign)			Date	Time	Received by: (sign)							
7 T-CD,CA,FE,PB*,MG,MN,K,NA,+CALC. HARDNESS			PLASTIC	500 ML	HNO3													
8 D-CD,CA,FE,PB*,MG,MN,K,NA,+CALC. HARDNESS			PLASTIC	500 ML	HNO3													
9						Relinquished by: (sign)			Date	Time	Rec'd for Lab by:							
10						Justin Gibson			3/12/09	2:05am	K. Chapp							
Syracuse		Rochester		Buffalo		Albany		Binghamton		Fair Lawn (NJ)								

Appendix B

Analytical Laboratory Results and Internal Quality Control Summary Quarter 2 2009

Cortland County Towslee Landfill

Upstate Laboratories, Inc.

6034 Corporate Drive
East Syracuse, New York 13057-1017

Sample Data Summary Package

Case Narrative, Summary of Test Results, Summary of QC Results and
Chain of Custody Documentation

Volume 1 of 4

SDG# COR-Z3

Project:

Towslee Landfill
Cortlandville, New York

Prepared for:

Mr. Patrick Reidy
Cortland Co. Soil and Water Cons. Dist.
100 Grange Place
Room 202
Cortland, NY 13045

Samples Collected:

June 16, 2009
June 17, 2009

New York Lab Code 10170

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

[illegible]

Narrative

1.0 Summary

This report presents the sample test results and quality control results for seven water sample locations for the Towslee Landfill, Cortlandville, New York. The samples were analyzed for the parameters listed in Section 3.0, below.

This report is divided into two packages and four volumes. The Sample Data Summary Package (Volume 1) presents a summary of the test results and quality control data. This abbreviated format is useful to engineers and environmental scientists. The Sample Data Package (Volumes 2-4) is a comprehensive report containing instrument raw data. It is formatted for validation by an independent third party.

2.0 Chain of Custody

The samples were collected by Upstate Laboratories, Inc. personnel on June 16 and 17, 2009 and were hand delivered to Upstate Laboratories, Inc., Syracuse, New York. The Chain of Custody documentation and Field Data are copied in Volumes 1 & 2.

3.0 Methodology

The analyses were performed using test methods developed by the USEPA and reorganized by the NYSDEC in the Analytical Services Protocol (ASP). The specific method numbers are:

<u>Parameter</u>	<u>Method</u>	<u>Reference</u>
Volatile Organics	8260	(1)
Aluminum	200.7	(1)
Antimony	200.7	(1)
Arsenic	200.7	(1)
Barium	200.7	(1)
Beryllium	200.7	(1)
Boron	200.7	(1)
Cadmium	200.7	(1)
Calcium	200.7	(1)
Chromium	200.7	(1)
Cobalt	200.7	(1)
Copper	200.7	(1)
Iron	200.7	(1)
Lead	200.7	(1)
Magnesium	200.7	(1)
Manganese	200.7	(1)
Mercury	245.2	(1)
Nickel	200.7	(1)
Potassium	200.7	(1)
Selenium	200.7	(1)
Silver	200.7	(1)
Sodium	200.7	(1)
Thallium	200.7	(1)
Vanadium	200.7	(1)
Zinc	200.7	(1)

The total number of pages in this Data Package is: _____.

Total Alkalinity	310.2	(1)
Ammonia-Nitrogen	350.1	(1)
BOD	405.1	(1)
Chloride	325.2	(1)
COD	410.4	(1)
Color	110.2	(1)
Cyanide	335.4	(1)
Hexavalent Chromium	SM3500	(1)
Nitrate-Nitrogen	353.2	(1)
Phenols	420.4	(1)
Sulfate	375.4	(1)
TDS	160.1	(1)
TKN	351.2	(1)
TOC	415.1	(1)
Bromide	300.1	(1)

(1) New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP), 7/05 Revision

4.0 Quality Control

Quality control data includes method blanks, reference samples, matrix spikes, duplicates and surrogate recoveries. The association of QC data with sample data is made through the use of the "Run No." found on both the final report pages and the QC summary pages.

5.0 Internal Validation

The following observations are offered:

Volatiles by GC/MS

Holding Time	: Criteria were satisfied.
Calibration	: Several target compounds were manually integrated in the IC and CC. All other criteria were satisfied.
Method Blank	: Criteria were satisfied.
MSB	: Criteria were satisfied.
MS/MSD	: Criteria were satisfied.
Surrogates	: Criteria were satisfied.
Internal Stds	: Criteria were satisfied.

Trace Metals and Cyanide Data

Holding Time	: Criteria were satisfied.
Calibration	: The ICV recovery for Antimony was below QC acceptance limits. The CCV1 and CCV2 recoveries for Antimony and Selenium were above QC acceptance limits. The CCV1 and CCV2 recoveries for Antimony were above QC acceptance limits. The ICV recoveries for Calcium, Magnesium, Potassium, Sodium and Selenium were outside QC acceptance limits. The CCV1 recoveries for Antimony, Arsenic, Potassium and Selenium were outside QC acceptance limits. The CCV2 recoveries for Antimony, Arsenic and Selenium were outside QC acceptance limits. The CCV1 recovery for Mercury was slightly above QC acceptance limits. The initial and final CRDL Standard recoveries for Antimony were above QC acceptance limits. The final CRDL Standard recovery for Arsenic was above QC acceptance limits. The final CRDL Standard recovery for Zinc was above QC acceptance limits. All other criteria were satisfied.
Method Blanks	: Antimony was detected at concentrations above the CRDL in the ICB, CCB1 and CCB2 for analytical sequence R45073. Selenium was detected at a concentration above the CRDL in CCB2 for analytical sequence R45073. Antimony was detected at concentrations above the CRDL in the ICBs for analytical sequences R45180 and R45285. Lead was detected at concentrations above the CRDL in CCB1 and CCB2 for analytical sequence R45180. Aluminum and Iron were detected at concentrations above the PQL but below the CRDL in CCB1 for analytical sequence R45254 and in MB-18395. Lead was detected at a concentration above the CRDL in CCB1 for analytical sequence R45254. CCB3 exhibited a negative result for Mercury for analytical sequence R43837. Arsenic and Selenium were detected at concentrations above the CRDL in CCB1 for analytical sequence R45285. Arsenic, Iron and Selenium were detected at concentrations above the CRDL in CCB2 for analytical sequence R45285. Zinc was detected at a concentration above the PQL but below the CRDL in CCB2 for analytical sequence R45285. All other criteria were satisfied.
Ref Samples	: The LCS recoveries for Antimony were above QC acceptance limits for LCS-18284 and LCS-18395. All other criteria were satisfied.
Matrix Spikes	: The MS recoveries for Antimony, Arsenic and Selenium were above QC acceptance limits for the MS performed on sample location MW-1A. All other criteria were satisfied.
Duplicates	: The Duplicate %RPDs for Aluminum, Antimony, Mercury and Potassium were outside QC acceptance limits for the Duplicate performed on sample location MW-1A. The concentrations of Antimony, Mercury and Potassium in sample location MW-1A were less than 5X the PQL; therefore, the data should be considered valid. All other criteria were satisfied.

Wet Chemistry Data

Holding Time	: Sample locations MW-6B and DUPE MW-6B were reanalyzed for TDS in analytical sequence R45322 over ASP holding time due to inconsistent sample results when compared with past data. The original analysis, however, was performed within ASP holding time. Sample location MW-1A was reanalyzed for Total Alkalinity in analytical sequence R43512 over ASP holding time due to an inconsistent sample result when compared with past data. The original analysis, however, was performed within ASP holding time. All other criteria were satisfied.
Calibration	: The CCV7, CCV10 and ICV recoveries for Total Alkalinity were outside QC acceptance limits for analytical sequence R43319. The CCV10, CCV14 and ICV recoveries for Chloride were outside QC acceptance limits for analytical sequence R43318. The CCV5 recovery for Ammonia was slightly above QC acceptance limits for analytical sequence R43315. All other criteria were satisfied.

TOWSLEE Q2 2009

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209

Mailing: Box 169 * Syracuse, NY 13206

Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 972-0371

Rochester (866) 437-0255 * New Jersey (908) 247-4313

Mr. Patrick Reidy
Cortland Co. Soil and Water Cons. Dist.
100 Grange Place
Room 202
Cortland, NY 13045

September 10, 2009

RE: Analytical Report:
Towslee Landfill

Order No.: U0906340

Dear Mr. Reidy:

7 + DUPE

Upstate Laboratories, Inc. received ~~18~~ samples on 6/17/09 for the analyses presented in the following report.

All analytical results relate to the samples as received by the laboratory.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions, please feel free to give us a call.

Thank you for your patronage.

Sincerely,
UPSTATE LABORATORIES, INC.


Anthony J. Scala
President/CEO

Enclosures: ASP-B Pkg. (on disk), report, field data, invoice

Confidentiality Statement: This report is meant for the use of the intended recipient. It may contain confidential information, which is legally privileged or otherwise protected by law. If you have received this report in error, you are strictly prohibited from reviewing, using, disseminating, distributing or copying the information.

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: MW-1A

Lab Order: U0906340

Collection Date: 6/16/2009 1:46:00 PM

Project: Towslee Landfill

Lab ID: U0906340-001

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			SW8260B		Analyst: LEF	
Chloromethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Vinyl chloride	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Bromomethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Chloroethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Acetone	ND	10		µg/L	1	6/25/2009 3:24:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Iodomethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Carbon disulfide	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Methylene chloride	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Acrylonitrile	ND	100		µg/L	1	6/25/2009 3:24:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Vinyl acetate	ND	50		µg/L	1	6/25/2009 3:24:00 AM
2-Butanone	ND	10		µg/L	1	6/25/2009 3:24:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Chloroform	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Bromochloromethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Benzene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Trichloroethene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Dibromomethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/25/2009 3:24:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Toluene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
2-Hexanone	ND	10		µg/L	1	6/25/2009 3:24:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Chlorobenzene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Ethylbenzene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
m,p-Xylene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM

Approved By: PH

Date: 9-10-09

Page 1 of 37

Qualifiers: * Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: MW-1A

Lab Order: U0906340

Collection Date: 6/16/2009 1:46:00 PM

Project: Towslee Landfill

Lab ID: U0906340-001

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			SW8260B		Analyst: LEF	
o-Xylene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Styrene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
Bromoform	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/25/2009 3:24:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 3:24:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/25/2009 3:24:00 AM

NOTES:

TICS: No compounds were detected.

Approved By: PH

Date: 9-10-09

Page 2 of 37

Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: MW-1B

Lab Order: U0906340

Collection Date: 6/16/2009 1:51:00 PM

Project: Towslee Landfill

Lab ID: U0906340-002

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			SW8260B		Analyst: LEF	
Chloromethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Vinyl chloride	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Bromomethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Chloroethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Acetone	ND	10		µg/L	1	6/25/2009 5:19:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Iodomethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Carbon disulfide	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Methylene chloride	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Acrylonitrile	ND	100		µg/L	1	6/25/2009 5:19:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Vinyl acetate	ND	50		µg/L	1	6/25/2009 5:19:00 AM
2-Butanone	ND	10		µg/L	1	6/25/2009 5:19:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Chloroform	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Bromochloromethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Benzene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Trichloroethene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Dibromomethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/25/2009 5:19:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Toluene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
2-Hexanone	ND	10		µg/L	1	6/25/2009 5:19:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Chlorobenzene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Ethylbenzene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
m,p-Xylene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-002

Client Sample ID: MW-1B
Collection Date: 6/16/2009 1:51:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)				SW8260B		Analyst: LEF
o-Xylene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Styrene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
Bromoform	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/25/2009 5:19:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 5:19:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/25/2009 5:19:00 AM

NOTES:

TICS: No compounds were detected.

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-003

Client Sample ID: MW-2A
Collection Date: 6/16/2009 2:27:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		SW8260B		Analyst: LEF		
Chloromethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Vinyl chloride	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Bromomethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Chloroethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Acetone	ND	10		µg/L	1	6/25/2009 5:57:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Iodomethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Carbon disulfide	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Methylene chloride	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Acrylonitrile	ND	100		µg/L	1	6/25/2009 5:57:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Vinyl acetate	ND	50		µg/L	1	6/25/2009 5:57:00 AM
2-Butanone	ND	10		µg/L	1	6/25/2009 5:57:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Chloroform	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Bromochloromethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Benzene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Trichloroethene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Dibromomethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/25/2009 5:57:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Toluene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
2-Hexanone	ND	10		µg/L	1	6/25/2009 5:57:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Chlorobenzene	3	5.0	J	µg/L	1	6/25/2009 5:57:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Ethylbenzene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
m,p-Xylene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-003

Client Sample ID: MW-2A
Collection Date: 6/16/2009 2:27:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOL% (BASELINE)			SW8260B		Analyst: LEF	
o-Xylene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Styrene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
Bromoform	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/25/2009 5:57:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 5:57:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/25/2009 5:57:00 AM
NOTES:						
TICS: No compounds were detected.						

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-004

Client Sample ID: MW-2B
Collection Date: 6/16/2009 2:32:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			SW8260B		Analyst: LEF	
Chloromethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Vinyl chloride	12	5.0		µg/L	1	6/25/2009 6:08:00 PM
Bromomethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Chloroethane	5.9	5.0		µg/L	1	6/25/2009 6:08:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Acetone	ND	10		µg/L	1	6/25/2009 6:08:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Iodomethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Carbon disulfide	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Methylene chloride	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Acrylonitrile	ND	100		µg/L	1	6/25/2009 6:08:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Vinyl acetate	ND	50		µg/L	1	6/25/2009 6:08:00 PM
2-Butanone	ND	10		µg/L	1	6/25/2009 6:08:00 PM
cis-1,2-Dichloroethene	19	5.0		µg/L	1	6/25/2009 6:08:00 PM
Chloroform	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Bromochloromethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Benzene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Trichloroethene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Dibromomethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/25/2009 6:08:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Toluene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
2-Hexanone	ND	10		µg/L	1	6/25/2009 6:08:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Chlorobenzene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Ethylbenzene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
m,p-Xylene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-004

Client Sample ID: MW-2B
Collection Date: 6/16/2009 2:32:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			SW8260B		Analyst: LEF	
o-Xylene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Styrene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
Bromoform	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/25/2009 6:08:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 6:08:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/25/2009 6:08:00 PM
TIC: Ethyl ether	5.6	0		µg/L	1	6/25/2009 6:08:00 PM

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: MW-3A

Lab Order: U0906340

Collection Date: 6/16/2009 1:31:00 PM

Project: Towslee Landfill

Lab ID: U0906340-005

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			SW8260B		Analyst: LEF	
Chloromethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Vinyl chloride	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Bromomethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Chloroethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Acetone	24	10		µg/L	1	6/25/2009 6:47:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Iodomethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Carbon disulfide	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Methylene chloride	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Acrylonitrile	ND	100		µg/L	1	6/25/2009 6:47:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Vinyl acetate	ND	50		µg/L	1	6/25/2009 6:47:00 PM
2-Butanone	ND	10		µg/L	1	6/25/2009 6:47:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Chloroform	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Bromochloromethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Benzene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Trichloroethene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Dibromomethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/25/2009 6:47:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Toluene	82	5.0		µg/L	1	6/25/2009 6:47:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
2-Hexanone	ND	10		µg/L	1	6/25/2009 6:47:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Chlorobenzene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Ethylbenzene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
m,p-Xylene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-005

Client Sample ID: MW-3A
Collection Date: 6/16/2009 1:31:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			SW8260B		Analyst: LEF	
o-Xylene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Styrene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
Bromoform	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/25/2009 6:47:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 6:47:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/25/2009 6:47:00 PM
TIC: 4-Decene, 2-methyl-, (Z)-	4.4	0		µg/L	1	6/25/2009 6:47:00 PM
TIC: 5-Undecene	9.0	0		µg/L	1	6/25/2009 6:47:00 PM
TIC: Disulfide, dimethyl	9.7	0		µg/L	1	6/25/2009 6:47:00 PM

NOTES:

Sample was reanalyzed to confirm positive target compounds.

Vials supplied of sample display quantitative differences.

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-006

Client Sample ID: MW-6B
Collection Date: 6/16/2009 2:49:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)		SW8260B		Analyst: LEF		
Chloromethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Vinyl chloride	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Bromomethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Chloroethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Acetone	ND	10		µg/L	1	6/25/2009 11:58:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Iodomethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Carbon disulfide	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Methylene chloride	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Acrylonitrile	ND	100		µg/L	1	6/25/2009 11:58:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Vinyl acetate	ND	50		µg/L	1	6/25/2009 11:58:00 PM
2-Butanone	ND	10		µg/L	1	6/25/2009 11:58:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Chloroform	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Bromochloromethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Benzene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Trichloroethene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Dibromomethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/25/2009 11:58:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Toluene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
2-Hexanone	ND	10		µg/L	1	6/25/2009 11:58:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Chlorobenzene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Ethylbenzene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
m,p-Xylene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-006

Client Sample ID: MW-6B
Collection Date: 6/16/2009 2:49:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			SW8260B		Analyst: LEF	
o-Xylene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Styrene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
Bromoform	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/25/2009 11:58:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/25/2009 11:58:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/25/2009 11:58:00 PM

NOTES:

TICS: No compounds were detected.

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: MW-7A

Lab Order: U0906340

Collection Date: 6/16/2009 2:13:00 PM

Project: Towslee Landfill

Lab ID: U0906340-007

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)				SW8260B	Analyst: LEF	
Chloromethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Vinyl chloride	5.7	5.0		µg/L	1	6/26/2009 12:38:00 AM
Bromomethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Chloroethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Acetone	ND	10		µg/L	1	6/26/2009 12:38:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Iodomethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Carbon disulfide	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Methylene chloride	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Acrylonitrile	ND	100		µg/L	1	6/26/2009 12:38:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,1-Dichloroethane	5	5.0	J	µg/L	1	6/26/2009 12:38:00 AM
Vinyl acetate	ND	50		µg/L	1	6/26/2009 12:38:00 AM
2-Butanone	ND	10		µg/L	1	6/26/2009 12:38:00 AM
cis-1,2-Dichloroethene	5.4	5.0		µg/L	1	6/26/2009 12:38:00 AM
Chloroform	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Bromochloromethane	ND	5.0		µg/L	1	8/26/2009 12:38:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Benzene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Trichloroethene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Dibromomethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/26/2009 12:38:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Toluene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
2-Hexanone	ND	10		µg/L	1	6/26/2009 12:38:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Chlorobenzene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Ethylbenzene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
m,p-Xylene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-007

Client Sample ID: MW-7A
Collection Date: 6/16/2009 2:13:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			SW8260B		Analyst: LEF	
o-Xylene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Styrene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
Bromoform	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/26/2009 12:38:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 12:38:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/26/2009 12:38:00 AM

NOTES:

TICS: No compounds were detected.

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: ULI Trip Blank

Lab Order: U0906340

Collection Date: 6/16/2009

Project: Towslee Landfill

Lab ID: U0906340-008

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			SW8260B		Analyst: LEF	
Chloromethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Vinyl chloride	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Bromomethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Chloroethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Acetone	ND	10		µg/L	1	6/26/2009 1:17:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Iodomethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Carbon disulfide	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Methylene chloride	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Acrylonitrile	ND	100		µg/L	1	6/26/2009 1:17:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Vinyl acetate	ND	50		µg/L	1	6/26/2009 1:17:00 AM
2-Butanone	ND	10		µg/L	1	6/26/2009 1:17:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Chloroform	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Bromochloromethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Benzene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Trichloroethene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/28/2009 1:17:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Dibromomethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/26/2009 1:17:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Toluene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
2-Hexanone	ND	10		µg/L	1	6/26/2009 1:17:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Chlorobenzene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Ethylbenzene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
m,p-Xylene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-008

Client Sample ID: ULI Trip Blank
Collection Date: 6/16/2009

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			SW8260B		Analyst: LEF	
o-Xylene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Styrene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
Bromoform	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/26/2009 1:17:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 1:17:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/26/2009 1:17:00 AM

NOTES:

TICS: No compounds were detected.

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: Dupe MW-6B

Lab Order: U0906340

Collection Date: 6/16/2009 2:49:00 PM

Project: Towslee Landfill

Lab ID: U0906340-009

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			SW8260B		Analyst: LEF	
Chloromethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Vinyl chloride	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Bromomethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Chloroethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Acetone	ND	10		µg/L	1	6/26/2009 1:56:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Iodomethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Carbon disulfide	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Methylene chloride	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Acrylonitrile	ND	100		µg/L	1	6/26/2009 1:56:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Vinyl acetate	ND	50		µg/L	1	6/26/2009 1:56:00 AM
2-Butanone	ND	10		µg/L	1	6/26/2009 1:56:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Chloroform	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Bromochloromethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Benzene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Trichloroethene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Dibromomethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/26/2009 1:56:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Toluene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
2-Hexanone	ND	10		µg/L	1	6/26/2009 1:56:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Chlorobenzene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Ethylbenzene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
m,p-Xylene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-009

Client Sample ID: Dupe MW-6B
Collection Date: 6/16/2009 2:49:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			SW8260B		Analyst: LEF	
o-Xylene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Styrene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
Bromoform	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/26/2009 1:56:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 1:56:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/26/2009 1:56:00 AM

NOTES:

TICS: No compounds were detected.

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-010

Client Sample ID: Holding Blank
Collection Date: 6/17/2009 1:05:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			SW8260B		Analyst: LEF	
Chloromethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Vinyl chloride	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Bromomethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Chloroethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Acetone	ND	10		µg/L	1	6/26/2009 2:34:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Iodomethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Carbon disulfide	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Methylene chloride	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Acrylonitrile	ND	100		µg/L	1	6/26/2009 2:34:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Vinyl acetate	ND	50		µg/L	1	6/26/2009 2:34:00 AM
2-Butanone	ND	10		µg/L	1	6/26/2009 2:34:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Chloroform	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Bromochloromethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Benzene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Trichloroethene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Dibromomethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/26/2009 2:34:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Toluene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
2-Hexanone	ND	10		µg/L	1	6/26/2009 2:34:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Chlorobenzene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Ethylbenzene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
m,p-Xylene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-010

Client Sample ID: Holding Blank
Collection Date: 6/17/2009 1:05:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP APPENDIX I WATER VOLS(BASELINE)			SW8260B		Analyst: LEF	
o-Xylene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Styrene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
Bromoform	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,2,3-Trichloropropane	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
trans-1,4-Dichloro-2-butene	ND	10		µg/L	1	6/26/2009 2:34:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	6/26/2009 2:34:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	6/26/2009 2:34:00 AM

NOTES:

TICS: No compounds were detected.

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-011

Client Sample ID: MW-1A
Collection Date: 6/17/2009 11:44:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS			FLD		Analyst:	
Conductivity	199	1.0		umhos/cm		6/17/2009 11:44:00 AM
Eh	143	-300		mV		6/17/2009 11:44:00 AM
pH	8.09	6.5-8.5		SU		6/17/2009 11:44:00 AM
SWL	1.09			ft		6/17/2009 11:44:00 AM
Temperature	19.6			degC		6/17/2009 11:44:00 AM
Turbidity	23.4	5.0		NTU		8/17/2009 11:44:00 AM
INORGANIC ANIONS BY IC FOR WATERS			E300.1		Analyst: NJS	
Bromide	ND	2.0		mg/L	10	6/29/2009
NOTES: The reporting limits were raised due to matrix interference.						
ICP METALS, TOTAL ASP			E200.7		Analyst: DEY	
			(E200.7)			
Aluminum	1570	100		µg/L	1	9/2/2009 3:49:18 PM
Antimony	ND	15.0		µg/L	1	8/31/2009 10:07:45 AM
Arsenic	ND	10.0		µg/L	1	8/31/2009 10:07:45 AM
Barium	73.2	50.0		µg/L	1	8/31/2009 10:07:45 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 10:07:45 AM
Boron	ND	500		µg/L	1	9/5/2009 10:58:19 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 10:07:45 AM
Calcium	47000	1000		µg/L	1	8/31/2009 10:07:45 AM
Chromium	ND	5.00		µg/L	1	8/31/2009 10:07:45 AM
Cobalt	ND	20.0		µg/L	1	8/31/2009 10:07:45 AM
Copper	ND	10.0		µg/L	1	8/31/2009 10:07:45 AM
Iron	1650	60.0		µg/L	1	9/2/2009 3:49:18 PM
Lead	ND	3.00		µg/L	1	9/2/2009 3:49:18 PM
Magnesium	11100	1000		µg/L	1	8/31/2009 10:07:45 AM
Manganese	169	10.0		µg/L	1	8/31/2009 10:07:45 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 10:07:45 AM
Potassium	1780	1000		µg/L	1	8/31/2009 10:07:45 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 10:07:45 AM
Silver	ND	10.0		µg/L	1	8/31/2009 10:07:45 AM
Sodium	13900	1000		µg/L	1	8/31/2009 10:07:45 AM
Thallium	ND	10.0		µg/L	1	8/31/2009 10:07:45 AM
Vanadium	ND	30.0		µg/L	1	8/31/2009 10:07:45 AM
Zinc	ND	10.0		µg/L	1	8/31/2009 10:07:45 AM
Hardness, Total(CaCO3)	163000	7000		µg/L	1	8/31/2009 10:07:45 AM
TOTAL MERCURY WATERS ASP			E245.2		Analyst: DEY	
			(E245.2)			
Mercury	ND	0.200		µg/L	1	7/10/2009 10:59:39 AM

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-011

Client Sample ID: MW-1A
Collection Date: 6/17/2009 11:44:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
COLOR				E110.2		Analyst: JWK
Color	18.0	10.0		UNITS	2	6/18/2009 1:00:00 PM
RESIDUE, DISSOLVED (TDS)				E160.1		Analyst: KAM
Residue, Dissolved (TDS)	180	25		mg/L	1	6/17/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				E310.2		Analyst: VAW
Alkalinity, Total (As CaCO ₃)	100	10	H	mg/LCaCO ₃	1	7/1/2009
NOTES: Sample reanalyzed over the holding time; original analysis was within the holding time.						
CHLORIDE WATERS BY LACHAT				E325.2		Analyst: VAW
Chloride	30.7	1.00		mg/L	1	6/24/2009
CYANIDE, TOTAL ASP				E335.4	(E335.4)	Analyst: BS
Cyanide	ND	10.0		µg/L	1	6/24/2009
NITROGEN, AMMONIA (AS NH₃ BY LACHAT)				E350.1		Analyst: KAM
Nitrogen, Ammonia (As NH ₃)	ND	0.500		mg/L	1	6/23/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				E351.2		Analyst: KAM
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	6/23/2009
NITROGEN, NITRATE (AS N)				E353.2		Analyst: VAW
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	6/18/2009 1:35:00 PM
SULFATE				E375.4		Analyst: KAF
Sulfate	14.3	5.00		mg/L	1	7/7/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				E405.1		Analyst: KAF
Biochemical Oxygen Demand	ND	4.00		mg/L	1	6/17/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				E410.4		Analyst: KAF
Chemical Oxygen Demand	ND	20		mg/L	1	6/25/2009
TOTAL ORGANIC CARBON (TOC)				E415.1		Analyst: VAW
Organic Carbon, Total	ND	3.0		mg/L	1	6/19/2009
PHENOLICS, TOTAL REC. FOR WATERS				E420.4	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	7/3/2009
HEXAVALENT CHROMIUM BY ASP 2005				SM3500		Analyst: BY
Hexavalent chromium	ND	0.010		mg/L	1	6/17/2009 4:00:00 PM

Approved By: PH

Date: 9-10-09

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Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.**Analytical Report**

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-012

Client Sample ID: MW-1B
Collection Date: 6/17/2009 11:52:00 AM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
				FLD		Analyst:
Conductivity	124	1.0		umhos/cm		6/17/2009 11:52:00 AM
Eh	139	-300		mV		6/17/2009 11:52:00 AM
pH	8.13	6.5-8.5		SU		6/17/2009 11:52:00 AM
SWL	1.10			ft		6/17/2009 11:52:00 AM
Temperature	18.7			degC		6/17/2009 11:52:00 AM
Turbidity	8.20	5.0		NTU		6/17/2009 11:52:00 AM
INORGANIC ANIONS BY IC FOR WATERS						
				E300.1		Analyst: NJS
Bromide	ND	0.20		mg/L	1	6/24/2009
ICP METALS, TOTAL ASP						
				E200.7	(E200.7)	Analyst: DEY
Aluminum	255	100		µg/L	1	9/2/2009 4:04:28 PM
Antimony	ND	30.0		µg/L	1	8/31/2009 10:17:09 AM
Arsenic	ND	10.0		µg/L	1	8/31/2009 10:17:09 AM
Barium	232	50.0		µg/L	1	8/31/2009 10:17:09 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 10:17:09 AM
Boron	ND	500		µg/L	1	9/5/2009 11:06:22 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 10:17:09 AM
Calcium	31400	1000		µg/L	1	8/31/2009 10:17:09 AM
Chromium	ND	10.0		µg/L	1	8/31/2009 10:17:09 AM
Cobalt	ND	20.0		µg/L	1	8/31/2009 10:17:09 AM
Copper	ND	10.0		µg/L	1	8/31/2009 10:17:09 AM
Iron	523	60.0		µg/L	1	9/2/2009 4:04:28 PM
Lead	ND	3.00		µg/L	1	9/2/2009 4:04:28 PM
Magnesium	7830	1000		µg/L	1	8/31/2009 10:17:09 AM
Manganese	250	10.0		µg/L	1	8/31/2009 10:17:09 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 10:17:09 AM
Potassium	ND	1000		µg/L	1	8/31/2009 10:17:09 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 10:17:09 AM
Silver	ND	10.0		µg/L	1	8/31/2009 10:17:09 AM
Sodium	8150	1000		µg/L	1	8/31/2009 10:17:09 AM
Thallium	ND	10.0		µg/L	1	8/31/2009 10:17:09 AM
Vanadium	ND	30.0		µg/L	1	8/31/2009 10:17:09 AM
Zinc	ND	10.0		µg/L	1	8/31/2009 10:17:09 AM
Hardness, Total(CaCO3)	111000	7000		µg/L	1	8/31/2009 10:17:09 AM
TOTAL MERCURY WATERS ASP						
				E245.2	(E245.2)	Analyst: DEY
Mercury	ND	0.200		µg/L	1	7/10/2009 11:03:06 AM
COLOR						
				E110.2		Analyst: JWK
Color	9.00	5.00		UNITS	1	6/18/2009 1:00:00 PM

Approved By: PHDate: 9-10-09

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Qualifiers:

- Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

**** Value exceeds Maximum Contaminant Value**

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-012

Client Sample ID: MW-1B
Collection Date: 6/17/2009 11:52:00 AM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
COLOR				E110.2		Analyst: JWK
RESIDUE, DISSOLVED (TDS)				E160.1		Analyst: KAM
Residue, Dissolved (TDS)	110	25		mg/L	1	6/17/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				E310.2		Analyst: VAW
Alkalinity, Total (As CaCO ₃)	100	10		mg/LCaCO ₃	1	6/24/2009
CHLORIDE WATERS BY LACHAT				E325.2		Analyst: VAW
Chloride	4.74	1.00		mg/L	1	6/24/2009
CYANIDE, TOTAL ASP				E335.4	(E335.4)	Analyst: BS
Cyanide	ND	10.0		µg/L	1	6/24/2009
NITROGEN, AMMONIA (AS NH ₃ BY LACHAT)				E350.1		Analyst: KAM
Nitrogen, Ammonia (As NH ₃)	ND	0.500		mg/L	1	6/23/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				E351.2		Analyst: KAM
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	6/23/2009
NITROGEN, NITRATE (AS N)				E353.2		Analyst: VAW
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	6/18/2009 1:35:00 PM
SULFATE				E375.4		Analyst: KAF
Sulfate	5.19	5.00		mg/L	1	7/7/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				E405.1		Analyst: KAF
Biochemical Oxygen Demand	ND	4.00		mg/L	1	6/19/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				E410.4		Analyst: KAF
Chemical Oxygen Demand	ND	20		mg/L	1	6/25/2009
TOTAL ORGANIC CARBON (TOC)				E415.1		Analyst: VAW
Organic Carbon, Total	ND	3.0		mg/L	1	6/19/2009
PHENOLICS, TOTAL REC. FOR WATERS				E420.4	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	7/3/2009
HEXAVALENT CHROMIUM BY ASP 2005				SM3500		Analyst: BY
Hexavalent chromium	ND	0.010		mg/L	1	6/17/2009 4:00:00 PM

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-013

Client Sample ID: MW-2A
Collection Date: 6/17/2009 12:16:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
				FLD		Analyst:
Conductivity	413	1.0		umhos/cm		6/17/2009 12:16:00 PM
Eh	239	-300		mV		6/17/2009 12:16:00 PM
pH	6.44	6.5-8.5		SU		6/17/2009 12:16:00 PM
SWL	8.41			ft		6/17/2009 12:16:00 PM
Temperature	16.5			degC		6/17/2009 12:16:00 PM
Turbidity	40.9	5.0		NTU		6/17/2009 12:16:00 PM
INORGANIC ANIONS BY IC FOR WATERS						
				E300.1		Analyst: NJS
Bromide	ND	2.0		mg/L	10	8/24/2009
NOTES:						
The reporting limits were raised due to matrix interference.						
ICP METALS, TOTAL ASP						
				E200.7	(E200.7)	Analyst: DEY
Aluminum	ND	100		µg/L	1	9/2/2009 4:09:15 PM
Antimony	ND	30.0		µg/L	1	8/31/2009 10:21:48 AM
Arsenic	ND	10.0		µg/L	1	8/31/2009 10:21:48 AM
Barium	471	50.0		µg/L	1	8/31/2009 10:21:48 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 10:21:48 AM
Boron	ND	500		µg/L	1	9/5/2009 11:09:06 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 10:21:48 AM
Calcium	87100	1000		µg/L	1	8/31/2009 10:21:48 AM
Chromium	ND	10.0		µg/L	1	8/31/2009 10:21:48 AM
Cobalt	ND	20.0		µg/L	1	8/31/2009 10:21:48 AM
Copper	ND	10.0		µg/L	1	8/31/2009 10:21:48 AM
Iron	8280	80.0		µg/L	1	9/2/2009 4:09:15 PM
Lead	ND	3.00		µg/L	1	9/2/2009 4:09:15 PM
Magnesium	18800	1000		µg/L	1	8/31/2009 10:21:48 AM
Manganese	12800	10.0		µg/L	1	8/31/2009 10:21:48 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 10:21:48 AM
Potassium	12400	1000		µg/L	1	8/31/2009 10:21:48 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 10:21:48 AM
Silver	ND	10.0		µg/L	1	8/31/2009 10:21:48 AM
Sodium	23800	1000		µg/L	1	8/31/2009 10:21:48 AM
Thallium	ND	10.0		µg/L	1	9/2/2009 4:09:15 PM
Vanadium	ND	30.0		µg/L	1	8/31/2009 10:21:48 AM
Zinc	ND	10.0		µg/L	1	8/31/2009 10:21:48 AM
Hardness, Total(CaCO3)	295000	7000		µg/L	1	8/31/2009 10:21:48 AM
TOTAL MERCURY WATERS ASP						
				E245.2	(E245.2)	Analyst: DEY
Mercury	ND	0.200		µg/L	1	7/17/2009 3:00:28 PM

Approved By: PH

Date: 9-10-09

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Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.**Analytical Report**

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-013

Client Sample ID: MW-2A
Collection Date: 6/17/2009 12:16:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
COLOR				E110.2		Analyst: JWK
Color	65.0	25.0		UNITS	5	6/18/2009 1:00:00 PM
RESIDUE, DISSOLVED (TDS)				E160.1		Analyst: KAM
Residue, Dissolved (TDS)	220	25		mg/L	1	6/17/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				E310.2		Analyst: VAW
Alkalinity, Total (As CaCO ₃)	360	10		mg/LCaCO ₃	1	6/24/2009
CHLORIDE WATERS BY LACHAT				E325.2		Analyst: VAW
Chloride	20.5	1.00		mg/L	1	6/24/2009
CYANIDE, TOTAL ASP				E335.4	(E335.4)	Analyst: BS
Cyanide	ND	10.0		µg/L	1	6/24/2009
NITROGEN, AMMONIA (AS NH₃ BY LACHAT)				E350.1		Analyst: BY
Nitrogen, Ammonia (As NH ₃)	11.8	0.500		mg/L	1	6/24/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				E351.2		Analyst: KAM
Nitrogen, Kjeldahl, Total	13.5	0.500		mg/L	1	6/23/2009
NITROGEN, NITRATE (AS N)				E353.2		Analyst: VAW
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	6/18/2009 1:35:00 PM
SULFATE				E375.4		Analyst: KAF
Sulfate	ND	5.00		mg/L	1	7/7/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				E405.1		Analyst: KAF
Biochemical Oxygen Demand	12.0	4.00		mg/L	1	6/19/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				E410.4		Analyst: KAF
Chemical Oxygen Demand	31	20		mg/L	1	6/25/2009
TOTAL ORGANIC CARBON (TOC)				E415.1		Analyst: VAW
Organic Carbon, Total	7.2	3.0		mg/L	1	6/19/2009
PHENOLICS, TOTAL REC. FOR WATERS				E420.4	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	7/7/2009
HEXAVALENT CHROMIUM BY ASP 2005				SM3500		Analyst: BY
Hexavalent chromium	ND	0.010		mg/L	1	6/17/2009 4:00:00 PM

Approved By: PH

Date: 9-10-09

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Qualifiers:

- Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

****** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-014

Client Sample ID: MW-2B
Collection Date: 6/17/2009 12:22:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
				FLD		Analyst:
Conductivity	739	1.0		umhos/cm		6/17/2009 12:22:00 PM
Eh	237	-300		mV		6/17/2009 12:22:00 PM
pH	6.43	6.5-8.5		SU		6/17/2009 12:22:00 PM
SWL	7.2			ft		6/17/2009 12:22:00 PM
Temperature	15.5			degC		6/17/2009 12:22:00 PM
Turbidity	4.17	5.0		NTU		6/17/2009 12:22:00 PM
INORGANIC ANIONS BY IC FOR WATERS						
				E300.1		Analyst: NJS
Bromide	ND	0.20		mg/L	1	6/24/2009
ICP METALS, TOTAL ASP						
				E200.7	(E200.7)	Analyst: DEY
Aluminum	235	100		µg/L	1	9/2/2009 4:15:21 PM
Antimony	ND	30.0		µg/L	1	8/31/2009 10:26:54 AM
Arsenic	ND	10.0		µg/L	1	8/31/2009 10:26:54 AM
Barium	1430	50.0		µg/L	1	8/31/2009 10:26:54 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 10:26:54 AM
Boron	ND	500		µg/L	1	9/5/2009 11:11:50 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 10:26:54 AM
Calcium	237000	1000		µg/L	1	8/31/2009 10:26:54 AM
Chromium	ND	10.0		µg/L	1	8/31/2009 10:26:54 AM
Cobalt	ND	20.0		µg/L	1	8/31/2009 10:26:54 AM
Copper	ND	10.0		µg/L	1	8/31/2009 10:26:54 AM
Iron	464	60.0		µg/L	1	9/2/2009 4:15:21 PM
Lead	ND	3.00		µg/L	1	9/2/2009 4:15:21 PM
Magnesium	45900	1000		µg/L	1	8/31/2009 10:26:54 AM
Manganese	6630	10.0		µg/L	1	8/31/2009 10:26:54 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 10:26:54 AM
Potassium	2710	1000		µg/L	1	8/31/2009 10:26:54 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 10:26:54 AM
Silver	ND	10.0		µg/L	1	8/31/2009 10:26:54 AM
Sodium	55400	1000		µg/L	1	8/31/2009 10:26:54 AM
Thallium	ND	10.0		µg/L	1	8/31/2009 10:26:54 AM
Vanadium	ND	30.0		µg/L	1	8/31/2009 10:26:54 AM
Zinc	ND	10.0		µg/L	1	8/31/2009 10:26:54 AM
Hardness, Total(CaCO3)	782000	7000		µg/L	1	8/31/2009 10:26:54 AM
TOTAL MERCURY WATERS ASP						
				E245.2	(E245.2)	Analyst: DEY
Mercury	ND	0.200		µg/L	1	7/17/2009 3:01:40 PM
COLOR						
				E110.2		Analyst: JWK
Color	8.00	5.00		UNITS	1	6/18/2009 1:00:00 PM

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.**Analytical Report**

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-014

Client Sample ID: MW-2B
Collection Date: 6/17/2009 12:22:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
COLOR				E110.2		Analyst: JWK
RESIDUE, DISSOLVED (TDS)				E160.1		Analyst: KAM
Residue, Dissolved (TDS)	870	25		mg/L	1	6/17/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				E310.2		Analyst: VAW
Alkalinity, Total (As CaCO ₃)	580	10		mg/LCaCO ₃	1	6/24/2009
CHLORIDE WATERS BY LACHAT				E325.2		Analyst: VAW
Chloride	159	1.00		mg/L	1	6/24/2009
CYANIDE, TOTAL ASP				E335.4	(E335.4)	Analyst: BS
Cyanide	ND	10.0		µg/L	1	6/24/2009
NITROGEN, AMMONIA (AS NH₃ BY LACHAT)				E350.1		Analyst: BY
Nitrogen, Ammonia (As NH ₃)	0.665	0.500		mg/L	1	6/24/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				E351.2		Analyst: KAM
Nitrogen, Kjeldahl, Total	1.19	0.500		mg/L	1	6/23/2009
NITROGEN, NITRATE (AS N)				E353.2		Analyst: VAW
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	6/18/2009 1:35:00 PM
SULFATE				E375.4		Analyst: KAF
Sulfate	ND	5.00		mg/L	1	7/7/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				E405.1		Analyst: KAF
Biochemical Oxygen Demand	ND	4.00		mg/L	1	6/19/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				E410.4		Analyst: KAF
Chemical Oxygen Demand	23	20		mg/L	1	6/25/2009
TOTAL ORGANIC CARBON (TOC)				E415.1		Analyst: VAW
Organic Carbon, Total	5.5	3.0		mg/L	1	6/19/2009
PHENOLICS, TOTAL REC. FOR WATERS				E420.4	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	7/7/2009
HEXAVALENT CHROMIUM BY ASP 2005				SM3500		Analyst: BY
Hexavalent chromium	ND	0.010		mg/L	1	6/17/2009 4:00:00 PM

Approved By: PH

Date: 9-10-09

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Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.**Analytical Report**

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: MW-3A

Lab Order: U0906340

Collection Date: 6/17/2009 11:27:00 AM

Project: Towslee Landfill

Lab ID: U0906340-015

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS			FLD		Analyst:	
Conductivity	187	1.0		umhos/cm		6/17/2009 11:27:00 AM
Eh	359	-300		mV		6/17/2009 11:27:00 AM
pH	8.16	6.5-8.5		SU		6/17/2009 11:27:00 AM
SWL	8.75			ft		6/17/2009 11:27:00 AM
Temperature	14.8			degC		6/17/2009 11:27:00 AM
Turbidity	4.55	5.0		NTU		6/17/2009 11:27:00 AM
INORGANIC ANIONS BY IC FOR WATERS			E300.1		Analyst: NJS	
Bromide	ND	0.20		mg/L	1	6/24/2009
ICP METALS, TOTAL ASP			E200.7		(E200.7) Analyst: DEY	
Aluminum	ND	100		µg/L	1	9/2/2009 4:21:26 PM
Antimony	ND	15.0		µg/L	1	9/2/2009 4:21:26 PM
Arsenic	ND	10.0		µg/L	1	8/31/2009 10:41:37 AM
Barium	458	50.0		µg/L	1	8/31/2009 10:41:37 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 10:41:37 AM
Boron	ND	500		µg/L	1	9/5/2009 11:14:34 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 10:41:37 AM
Calcium	59500	1000		µg/L	1	8/31/2009 10:41:37 AM
Chromium	ND	10.0		µg/L	1	8/31/2009 10:41:37 AM
Cobalt	ND	20.0		µg/L	1	8/31/2009 10:41:37 AM
Copper	ND	10.0		µg/L	1	8/31/2009 10:41:37 AM
Iron	155	60.0		µg/L	1	9/2/2009 4:21:26 PM
Lead	ND	3.00		µg/L	1	9/2/2009 4:21:26 PM
Magnesium	11600	1000		µg/L	1	8/31/2009 10:41:37 AM
Manganese	164	10.0		µg/L	1	8/31/2009 10:41:37 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 10:41:37 AM
Potassium	ND	1000		µg/L	1	8/31/2009 10:41:37 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 10:41:37 AM
Silver	ND	10.0		µg/L	1	8/31/2009 10:41:37 AM
Sodium	6810	1000		µg/L	1	8/31/2009 10:41:37 AM
Thallium	ND	10.0		µg/L	1	8/31/2009 10:41:37 AM
Vanadium	ND	30.0		µg/L	1	8/31/2009 10:41:37 AM
Zinc	ND	10.0		µg/L	1	8/31/2009 10:41:37 AM
Hardness, Total(CaCO3)	196000	7000		µg/L	1	8/31/2009 10:41:37 AM
TOTAL MERCURY WATERS ASP			E245.2		(E245.2) Analyst: DEY	
Mercury	ND	0.200		µg/L	1	7/17/2009 3:02:41 PM
COLOR			E110.2		Analyst: JWK	
Color	7.00	5.00		UNITS	1	6/18/2009 1:00:00 PM

Approved By: PHDate: 9-10-09

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Qualifiers: * Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.**Analytical Report**

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-015

Client Sample ID: MW-3A
Collection Date: 6/17/2009 11:27:00 AM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
COLOR				E110.2		Analyst: JWK
RESIDUE, DISSOLVED (TDS)				E160.1		Analyst: KAM
Residue, Dissolved (TDS)	120	25		mg/L	1	6/17/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				E310.2		Analyst: VAW
Alkalinity, Total (As CaCO ₃)	160	10		mg/LCaCO ₃	1	6/24/2009
CHLORIDE WATERS BY LACHAT				E325.2		Analyst: VAW
Chloride	9.25	1.00		mg/L	1	6/24/2009
CYANIDE, TOTAL ASP				E335.4	(E335.4)	Analyst: BS
Cyanide	ND	10.0		µg/L	1	6/24/2009
NITROGEN, AMMONIA (AS NH₃ BY LACHAT)				E350.1		Analyst: KAM
Nitrogen, Ammonia (As NH ₃)	ND	0.500		mg/L	1	6/23/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				E351.2		Analyst: KAM
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	6/23/2009
NITROGEN, NITRATE (AS N)				E353.2		Analyst: VAW
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	6/18/2009 1:35:00 PM
SULFATE				E375.4		Analyst: KAF
Sulfate	11.2	5.00		mg/L	1	7/7/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				E405.1		Analyst: KAF
Biochemical Oxygen Demand	ND	4.00		mg/L	1	6/17/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				E410.4		Analyst: KAF
Chemical Oxygen Demand	ND	20		mg/L	1	6/25/2009
TOTAL ORGANIC CARBON (TOC)				E415.1		Analyst: VAW
Organic Carbon, Total	ND	3.0		mg/L	1	6/19/2009
PHENOLICS, TOTAL REC. FOR WATERS				E420.4	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	7/3/2009
HEXAVALENT CHROMIUM BY ASP 2005				SM3500		Analyst: BY
Hexavalent chromium	ND	0.010		mg/L	1	6/17/2009 4:00:00 PM

Approved By: PHDate: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: MW-6B

Lab Order: U0906340

Collection Date: 6/17/2009 12:36:00 PM

Project: Towslee Landfill

Lab ID: U0906340-016

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
				FLD		Analyst:
Conductivity	187	1.0		umhos/cm		6/17/2009 12:36:00 PM
Eh	186	-300		mV		6/17/2009 12:36:00 PM
pH	7.32	6.5-8.5		SU		6/17/2009 12:36:00 PM
SWL	14.71			ft		6/17/2009 12:36:00 PM
Temperature	14.1			degC		6/17/2009 12:36:00 PM
Turbidity	3.62	5.0		NTU		6/17/2009 12:36:00 PM
INORGANIC ANIONS BY IC FOR WATERS						
				E300.1		Analyst: NJS
Bromide	ND	2.0		mg/L	10	6/29/2009
NOTES:						
The reporting limits were raised due to matrix interference.						
ICP METALS, TOTAL ASP						
				E200.7	(E200.7)	Analyst: DEY
Aluminum	ND	100		µg/L	1	9/2/2009 4:25:54 PM
Antimony	ND	30.0		µg/L	1	8/31/2009 10:46:19 AM
Arsenic	ND	10.0		µg/L	1	8/31/2009 10:46:19 AM
Barium	404	50.0		µg/L	1	8/31/2009 10:46:19 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 10:46:19 AM
Boron	ND	500		µg/L	1	9/5/2009 11:17:19 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 10:46:19 AM
Calcium	42900	1000		µg/L	1	8/31/2009 10:46:19 AM
Chromium	ND	10.0		µg/L	1	8/31/2009 10:46:19 AM
Cobalt	ND	20.0		µg/L	1	8/31/2009 10:46:19 AM
Copper	ND	10.0		µg/L	1	8/31/2009 10:46:19 AM
Iron	104	60.0		µg/L	1	9/2/2009 4:25:54 PM
Lead	ND	3.00		µg/L	1	9/2/2009 4:25:54 PM
Magnesium	11400	1000		µg/L	1	8/31/2009 10:46:19 AM
Manganese	58.5	10.0		µg/L	1	8/31/2009 10:46:19 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 10:46:19 AM
Potassium	1030	1000		µg/L	1	8/31/2009 10:46:19 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 10:46:19 AM
Silver	ND	10.0		µg/L	1	8/31/2009 10:46:19 AM
Sodium	17900	1000		µg/L	1	8/31/2009 10:46:19 AM
Thallium	ND	10.0		µg/L	1	8/31/2009 10:46:19 AM
Vanadium	ND	30.0		µg/L	1	8/31/2009 10:46:19 AM
Zinc	ND	10.0		µg/L	1	8/31/2009 10:46:19 AM
Hardness, Total(CaCO3)	154000	7000		µg/L	1	8/31/2009 10:46:19 AM
TOTAL MERCURY WATERS ASP						
				E245.2	(E245.2)	Analyst: DEY
Mercury	ND	0.200		µg/L	1	7/10/2009 11:07:27 AM

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.**Analytical Report**

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-016

Client Sample ID: MW-6B
Collection Date: 6/17/2009 12:36:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
COLOR				E110.2		Analyst: JWK
Color	11.0	5.00		UNITS	1	6/18/2009 1:00:00 PM
RESIDUE, DISSOLVED (TDS)				E160.1		Analyst: TCB
Residue, Dissolved (TDS)	190	25	H	mg/L	1	9/9/2009
NOTES:	Sample reanalyzed over holding time. Original analysis within holding time.					
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT				E310.2		Analyst: VAW
Alkalinity, Total (As CaCO3)	140	10		mg/LCaCO3	1	6/24/2009
CHLORIDE WATERS BY LACHAT				E325.2		Analyst: VAW
Chloride	19.4	1.00		mg/L	1	6/24/2009
CYANIDE, TOTAL ASP				E335.4	(E335.4)	Analyst: BS
Cyanide	ND	10.0		µg/L	1	6/24/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				E350.1		Analyst: KAM
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	6/23/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				E351.2		Analyst: KAM
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	6/23/2009
NITROGEN, NITRATE (AS N)				E353.2		Analyst: VAW
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	6/18/2009 1:35:00 PM
SULFATE				E375.4		Analyst: KAF
Sulfate	14.2	5.00		mg/L	1	7/7/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				E405.1		Analyst: KAF
Biochemical Oxygen Demand	ND	4.00		mg/L	1	6/19/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				E410.4		Analyst: KAF
Chemical Oxygen Demand	ND	20		mg/L	1	6/25/2009
TOTAL ORGANIC CARBON (TOC)				E415.1		Analyst: VAW
Organic Carbon, Total	ND	3.0		mg/L	1	6/19/2009
PHENOLICS, TOTAL REC. FOR WATERS				E420.4	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	7/3/2009
HEXAVALENT CHROMIUM BY ASP 2005				SM3500		Analyst: BY
Hexavalent chromium	ND	0.010		mg/L	1	6/17/2009 4:00:00 PM

Approved By: PH

Date: 9-10-09

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Qualifiers:

- Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

****** Value exceeds Maximum Contaminant Value

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-017

Client Sample ID: MW-7A
Collection Date: 6/17/2009 12:10:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
Conductivity	622	1.0		umhos/cm		Analyst: 6/17/2009 12:10:00 PM
Eh	219	-300		mV		6/17/2009 12:10:00 PM
pH	6.77	6.5-8.5		SU		6/17/2009 12:10:00 PM
SWL	4.11			ft		6/17/2009 12:10:00 PM
Temperature	16.0			degC		6/17/2009 12:10:00 PM
Turbidity	375	5.0		NTU		6/17/2009 12:10:00 PM
INORGANIC ANIONS BY IC FOR WATERS						
Bromide	ND	0.20		mg/L	1	Analyst: NJS 6/24/2009
ICP METALS, TOTAL ASP						
				E200.7	(E200.7)	Analyst: DEY
Aluminum	9560	100		µg/L	1	9/2/2009 4:30:34 PM
Antimony	ND	30.0		µg/L	1	8/31/2009 10:50:59 AM
Arsenic	ND	10.0		µg/L	1	8/31/2009 10:50:59 AM
Barium	714	50.0		µg/L	1	8/31/2009 10:50:59 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 10:50:59 AM
Boron	ND	500		µg/L	1	9/5/2009 11:20:08 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 10:50:59 AM
Calcium	150000	1000		µg/L	1	8/31/2009 10:50:59 AM
Chromium	ND	10.0		µg/L	1	8/31/2009 10:50:59 AM
Cobalt	ND	20.0		µg/L	1	8/31/2009 10:50:59 AM
Copper	ND	10.0		µg/L	1	8/31/2009 10:50:59 AM
Iron	10100	60.0		µg/L	1	9/2/2009 4:30:34 PM
Lead	ND	3.00		µg/L	1	9/2/2009 4:30:34 PM
Magnesium	38700	1000		µg/L	1	8/31/2009 10:50:59 AM
Manganese	4210	10.0		µg/L	1	8/31/2009 10:50:59 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 10:50:59 AM
Potassium	3580	1000		µg/L	1	8/31/2009 10:50:59 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 10:50:59 AM
Silver	ND	10.0		µg/L	1	8/31/2009 10:50:59 AM
Sodium	103000	1000		µg/L	1	8/31/2009 10:50:59 AM
Thallium	ND	10.0		µg/L	1	8/31/2009 10:50:59 AM
Vanadium	ND	30.0		µg/L	1	8/31/2009 10:50:59 AM
Zinc	29.7	10.0		µg/L	1	8/31/2009 10:50:59 AM
Hardness, Total(CaCO3)	534000	7000		µg/L	1	8/31/2009 10:50:59 AM
TOTAL MERCURY WATERS ASP						
				E245.2	(E245.2)	Analyst: DEY
Mercury	ND	0.200		µg/L	1	7/10/2009 11:10:29 AM
ICP METALS, DISSOLVED ASP						
				E200.7	(E200.7)	Analyst: DEY
Aluminum	ND	100		µg/L	1	9/2/2009 3:43:35 PM

Approved By: PH

Date: 9-10-09

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Qualifiers:

- Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-017

Client Sample ID: MW-7A
Collection Date: 6/17/2009 12:10:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, DISSOLVED ASP						
				E200.7	(E200.7)	Analyst: DEY
Antimony	ND	30.0		µg/L	1	8/31/2009 9:43:43 AM
Arsenic	ND	10.0		µg/L	1	8/31/2009 9:43:43 AM
Barium	599	50.0		µg/L	1	8/31/2009 9:43:43 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 9:43:43 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 9:43:43 AM
Calcium	140000	1000		µg/L	1	8/31/2009 9:43:43 AM
Chromium	ND	10.0		µg/L	1	8/31/2009 9:43:43 AM
Cobalt	ND	20.0		µg/L	1	8/31/2009 9:43:43 AM
Copper	ND	10.0		µg/L	1	8/31/2009 9:43:43 AM
Iron	ND	60.0		µg/L	1	9/2/2009 3:43:35 PM
Lead	ND	3.00		µg/L	1	9/2/2009 3:43:35 PM
Magnesium	34100	1000		µg/L	1	8/31/2009 9:43:43 AM
Manganese	3780	10.0		µg/L	1	8/31/2009 9:43:43 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 9:43:43 AM
Potassium	1820	1000		µg/L	1	8/31/2009 9:43:43 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 9:43:43 AM
Silver	ND	10.0		µg/L	1	8/31/2009 9:43:43 AM
Sodium	97200	1000		µg/L	1	8/31/2009 9:43:43 AM
Thallium	ND	10.0		µg/L	1	9/2/2009 3:43:35 PM
Vanadium	ND	30.0		µg/L	1	8/31/2009 9:43:43 AM
Zinc	22.8	10.0		µg/L	1	8/31/2009 9:43:43 AM
DISSOLVED MERCURY WATERS ASP						
				E245.2	(E245.2)	Analyst: DEY
Mercury	ND	0.200		µg/L	1	7/17/2009 2:59:15 PM
COLOR						
				E110.2		Analyst: JWK
Color	80.0	50.0		UNITS	10	6/18/2009 1:00:00 PM
RESIDUE, DISSOLVED (TDS)						
				E160.1		Analyst: KAM
Residue, Dissolved (TDS)	720	25		mg/L	1	6/17/2009
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT						
				E310.2		Analyst: VAW
Alkalinity, Total (As CaCO ₃)	500	10		mg/L CaCO ₃	1	6/24/2009
CHLORIDE WATERS BY LACHAT						
				E325.2		Analyst: VAW
Chloride	128	1.00		mg/L	1	6/24/2009
CYANIDE, TOTAL ASP						
				E335.4	(E335.4)	Analyst: BS
Cyanide	ND	10.0		µg/L	1	6/24/2009
NITROGEN, AMMONIA (AS NH₃ BY LACHAT)						
				E350.1		Analyst: BY
Nitrogen, Ammonia (As NH ₃)	ND	0.500		mg/L	1	6/24/2009

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: MW-7A

Lab Order: U0906340

Collection Date: 6/17/2009 12:10:00 PM

Project: Towslee Landfill

Lab ID: U0906340-017

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT				E351.2		Analyst: KAM
Nitrogen, Kjeldahl, Total	0.851	0.500		mg/L	1	6/23/2009
NITROGEN, NITRATE (AS N)				E353.2		Analyst: VAW
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	6/18/2009 1:35:00 PM
SULFATE				E375.4		Analyst: KAF
Sulfate	22.3	5.00		mg/L	1	7/7/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				E405.1		Analyst: KAF
Biochemical Oxygen Demand	ND	4.00		mg/L	1	6/17/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				E410.4		Analyst: KAF
Chemical Oxygen Demand	38	20		mg/L	1	6/25/2009
TOTAL ORGANIC CARBON (TOC)				E415.1		Analyst: VAW
Organic Carbon, Total	5.7	3.0		mg/L	1	6/19/2009
PHENOLICS, TOTAL REC. FOR WATERS				E420.4	(E420.4)	Analyst: BY
Phenolics, Total Recoverable	ND	0.005		mg/L	1	7/3/2009
HEXAVALENT CHROMIUM BY ASP 2005				SM3500		Analyst: BY
Hexavalent chromium	ND	0.010		mg/L	1	6/17/2009 4:00:00 PM

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.
Lab Order: U0906340
Project: Towslee Landfill
Lab ID: U0906340-018

Client Sample ID: Dupe MW-6B
Collection Date: 6/17/2009 12:36:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS BY IC FOR WATERS				E300.1		Analyst: NJS
Bromide	ND	2.0		mg/L	10	6/29/2009
NOTES:						
The reporting limits were raised due to matrix interference.						
ICP METALS, TOTAL ASP				E200.7	(E200.7)	Analyst: DEY
Aluminum	310	100		µg/L	1	9/2/2009 4:47:25 PM
Antimony	ND	30.0		µg/L	1	8/31/2009 10:55:55 AM
Arsenic	ND	10.0		µg/L	1	8/31/2009 10:55:55 AM
Barium	397	50.0		µg/L	1	8/31/2009 10:55:55 AM
Beryllium	ND	3.00		µg/L	1	8/31/2009 10:55:55 AM
Boron	ND	500		µg/L	1	9/5/2009 11:22:54 AM
Cadmium	ND	5.00		µg/L	1	8/31/2009 10:55:55 AM
Calcium	42200	1000		µg/L	1	8/31/2009 10:55:55 AM
Chromium	ND	5.00		µg/L	1	9/2/2009 4:47:25 PM
Cobalt	ND	20.0		µg/L	1	8/31/2009 10:55:55 AM
Copper	ND	10.0		µg/L	1	8/31/2009 10:55:55 AM
Iron	215	60.0		µg/L	1	9/2/2009 4:47:25 PM
Lead	ND	3.00		µg/L	1	9/2/2009 4:47:25 PM
Magnesium	11100	1000		µg/L	1	8/31/2009 10:55:55 AM
Manganese	74.9	10.0		µg/L	1	8/31/2009 10:55:55 AM
Nickel	ND	30.0		µg/L	1	8/31/2009 10:55:55 AM
Potassium	1040	1000		µg/L	1	8/31/2009 10:55:55 AM
Selenium	ND	5.00		µg/L	1	8/31/2009 10:55:55 AM
Silver	ND	10.0		µg/L	1	8/31/2009 10:55:55 AM
Sodium	18000	1000		µg/L	1	8/31/2009 10:55:55 AM
Thallium	ND	10.0		µg/L	1	8/31/2009 10:55:55 AM
Vanadium	ND	30.0		µg/L	1	8/31/2009 10:55:55 AM
Zinc	108	10.0		µg/L	1	8/31/2009 10:55:55 AM
Hardness, Total(CaCO3)	151000	7000		µg/L	1	8/31/2009 10:55:55 AM
TOTAL MERCURY WATERS ASP				E245.2	(E245.2)	Analyst: DEY
Mercury	ND	0.200		µg/L	1	7/10/2009 11:11:37 AM
COLOR				E110.2		Analyst: JWK
Color	7.00	5.00		UNITS	1	6/18/2009 1:00:00 PM
RESIDUE, DISSOLVED (TDS)				E160.1		Analyst: TCB
Residue, Dissolved (TDS)	180	25	H	mg/L	1	9/9/2009
NOTES:						
Sample reanalyzed over holding time. Original analysis within holding time.						

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 10-Sep-09

CLIENT: Cortland Co. Soil and Water Cons. Dist.

Client Sample ID: Dupe MW-6B

Lab Order: U0906340

Collection Date: 6/17/2009 12:36:00 PM

Project: Towslee Landfill

Lab ID: U0906340-018

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ALKALINITY ON AQUEOUS SAMPLES BY LACHAT						
Alkalinity, Total (As CaCO ₃)	130	10		mg/LCaCO ₃	1	Analyst: VAW 6/24/2009
CHLORIDE WATERS BY LACHAT						
Chloride	19.7	1.00		mg/L	1	Analyst: VAW 6/24/2009
CYANIDE, TOTAL ASP						
Cyanide	ND	10.0		µg/L	1 (E335.4)	Analyst: BS 6/24/2009
NITROGEN, AMMONIA (AS NH₃ BY LACHAT)						
Nitrogen, Ammonia (As NH ₃)	ND	0.500		mg/L	1	Analyst: KAM 6/23/2009
NITROGEN, TOTAL KJELDAHL (TKN) BY LACHAT						
Nitrogen, Kjeldahl, Total	ND	0.500		mg/L	1	Analyst: KAM 6/23/2009
NITROGEN, NITRATE (AS N)						
Nitrogen, Nitrate (as N)	ND	0.200		mg/L	1	Analyst: VAW 6/18/2009 1:35:00 PM
SULFATE						
Sulfate	12.4	5.00		mg/L	1	Analyst: KAF 7/7/2009
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)						
Biochemical Oxygen Demand	ND	4.00		mg/L	1	Analyst: KAF 6/17/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)						
Chemical Oxygen Demand	ND	20		mg/L	1	Analyst: KAF 6/25/2009
TOTAL ORGANIC CARBON (TOC)						
Organic Carbon, Total	ND	3.0		mg/L	1	Analyst: VAW 6/19/2009
PHENOLICS, TOTAL REC. FOR WATERS						
Phenolics, Total Recoverable	ND	0.005		mg/L	1 (E420.4)	Analyst: BY 7/3/2009
HEXAVALENT CHROMIUM BY ASP 2005						
Hexavalent chromium	ND	0.010		mg/L	1	Analyst: BY 6/17/2009 4:00:00 PM

Approved By: PH

Date: 9-10-09

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Qualifiers: * Low Level
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

** Value exceeds Maximum Contaminant Value
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

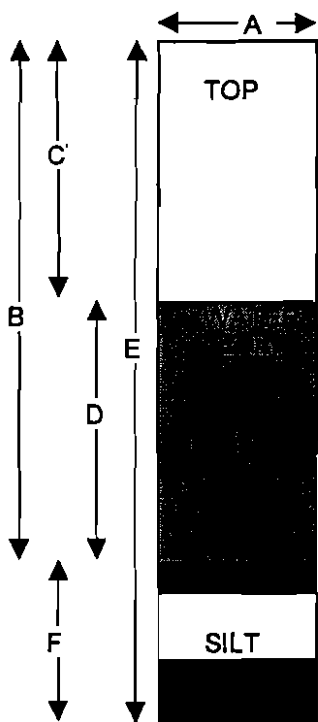
Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 2/10/2001

Client: Cortland CountyProject: Towslee LandfillWell ID.: MW-1ACondition of Well: GoodLocked: YESMethod of Evacuation: Dedicated Bailer

Lock ID: _____

Method of Sampling: Dedicated Bailer

A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>33.7</u>	feet
C.	Depth to Water	<u>1.09</u>	feet
D.	Length of Water Column (calculated)	<u>32.61</u>	feet
	Conversion Factor	<u>X.16</u>	—
	Well Volume (calculated)	<u>5.2176</u>	gallons
	No. of Volumes to be Evacuated	<u>X3</u>	—
	Total Volume to be Evacuated	<u>15.6528</u>	gallons
	Actual Volume Evacuated	<u>16</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>6/16/09</u>	<u>6/17/09</u>
Time	<u>1:46</u>	<u>11:44 am</u>
EH	<u>201</u>	<u>143</u>
Temperature	<u>13.8°C</u>	<u>19.6°C</u>
pH	<u>8.58</u>	<u>8.09</u>
Specific Cond.	<u>207</u>	<u>199</u>
Turbidity	<u>7.62</u>	<u>23.4</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Clear</u>	<u>Cloudy</u>

Weather: 69° Sun 52° Cloudy
 Observations: MSD

% Recharge:

Initial Depth to Water 1.09 feetRecharge Depth to Water 1.93 feet2nd water column height 56.48 %

1st water column height

Elevation (Top of Casing) N/A feetG.W. Elevation = N/A feet

G.W. Elevation = Top of Case Elev - Total Depth

Sampler: Justin Gibson
 Signature: Don Annell

Upstate Laboratories, Inc. Ground water Field Log

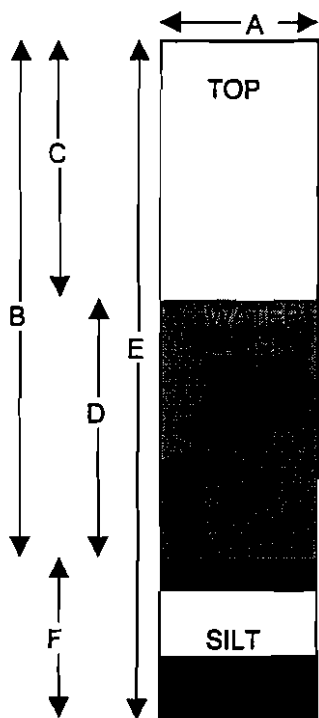
File: TS-30-01

Revised: 2/10/2001

Client: Cortland County
 Project: Towslee Landfill
 Well ID.: MW-1B

Condition of Well: GoodLocked: NOMethod of Evacuation: Dedicated Bailer

Lock ID: _____

Method of Sampling: Dedicated Bailer

A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>55.5</u>	feet
C.	Depth to Water	<u>1.10</u>	feet
D.	Length of Water Column (calculated)	<u>54.4</u>	feet
	Conversion Factor	<u>X.16</u>	---
	Well Volume (calculated)	<u>8.704</u>	gallons
	No. of Volumes to be Evacuated	<u>X3</u>	---
	Total Volume to be Evacuated	<u>26.112</u>	gallons
	Actual Volume Evacuated	<u>26.5</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>6/16/09</u>	<u>6/17/09</u>
Time	<u>1:51</u>	<u>11:52 am</u>
EH	<u>131</u>	<u>139</u>
Temperature	<u>17.8°C</u>	<u>19.8°C 18.7°C</u>
pH	<u>8.85</u>	<u>7.97 8.13</u>
Specific Cond.	<u>107</u>	<u>124</u>
Turbidity	<u>2.11</u>	<u>8.20</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Clear</u>	<u>Clear</u>

Weather: 69° Sun 52° Cloudy
 Observations: _____

% Recharge:

Initial Depth to Water 1.10 feetRecharge Depth to Water 1.12 feet2nd water column height 98.21 %

1st water column height _____

Elevation (Top of Casing) N/A feetG.W. Elevation = N/A feet

G.W. Elevation = Top of Case Elev - Total Depth

Sampler: _____
 Justin Gibson - Jan Ansell
 Signature: Jan Ansell

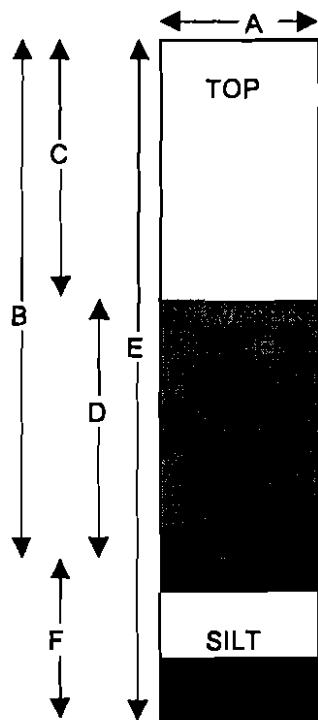
Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 2/10/2001

Client: Cortland CountyProject: Towslee LandfillWell ID.: MW-2ACondition of Well: GoodLocked: YESMethod of Evacuation: Dedicated Bailer

Lock ID: _____

Method of Sampling: Dedicated Bailer

A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>12.8</u>	feet
C.	Depth to Water	<u>6.41</u>	feet
D.	Length of Water Column (calculated)	<u>6.39</u>	feet
	Conversion Factor	<u>X.16</u>	—
	Well Volume (calculated)	<u>1.0224</u>	gallons
	No. of Volumes to be Evacuated	<u>X3</u>	—
	Total Volume to be Evacuated	<u>3.0672</u>	gallons
	Actual Volume Evacuated	<u>3</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>6/16/09</u>	<u>6/17/09</u>
Time	<u>2:27 pm</u>	<u>12:16 pm</u>
EH	<u>233</u>	<u>239</u>
Temperature	<u>13.1°C</u>	<u>16.5°</u>
pH	<u>6.51</u>	<u>6.44</u>
Specific Cond.	<u>361</u>	<u>413</u>
Turbidity	<u>27.1</u>	<u>40.4</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Cloudy</u>	<u>Cloudy</u>

Weather: 64° Sun 54° Cloudy

Observations: _____

% Recharge:

Initial Depth to Water 6.41 feetRecharge Depth to Water 6.42 feet2nd water column height 99.84 %

1st water column height _____

Elevation (Top of Casing) N/A feetG.W. Elevation= N/A feet

G.W. Elevation = Top of Case Elev - Total Depth

Sampler: _____

Justin Gibson - Dan Annell

Signature: Dan Annell

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

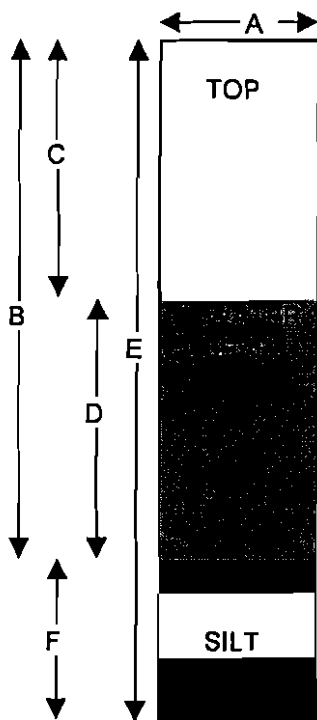
Revised: 2/10/2001

Client: Cortland County
 Project: Towslee Landfill
 Well ID.: MW-2B

USE ONLY IF APPLICABLE

Condition of Well: GoodLocked: YESMethod of Evacuation: Dedicated Bailer

Lock ID: _____

Method of Sampling: Dedicated Bailer

A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>33.5</u>	feet
C.	Depth to Water	<u>7.2</u>	feet
D.	Length of Water Column (calculated)	<u>26.3</u>	feet
	Conversion Factor	<u>X.16</u>	—
	Well Volume (calculated)	<u>4.208</u>	gallons
	No. of Volumes to be Evacuated	<u>X3</u>	—
	Total Volume to be Evacuated	<u>12.624</u>	gallons
	Actual Volume Evacuated	<u>13</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>6/16/09</u>	<u>6/17/09</u>
Time	<u>2:32 pm</u>	<u>12:22 pm</u>
EH	<u>233</u>	<u>237</u>
Temperature	<u>16.2°C</u>	<u>15.5°C</u>
pH	<u>6.45</u>	<u>6.43</u>
Specific Cond.	<u>730</u>	<u>739</u>
Turbidity	<u>2.01</u>	<u>4.17</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Clear</u>	<u>Clear</u>

% Recharge:

Initial Depth to Water 7.2 feetRecharge Depth to Water 7.2 feet2nd water column height 100.00%

1st water column height

Elevation (Top of Casing) N/A feetG.W. Elevation = N/A feet

G.W. Elevation = Top of Case Elev - Total Depth

Weather: 69° Sun 54° Cloudy
 Observations: _____

Sampler: Justin Gibson - Dan Annell
 Signature: Dan Annell

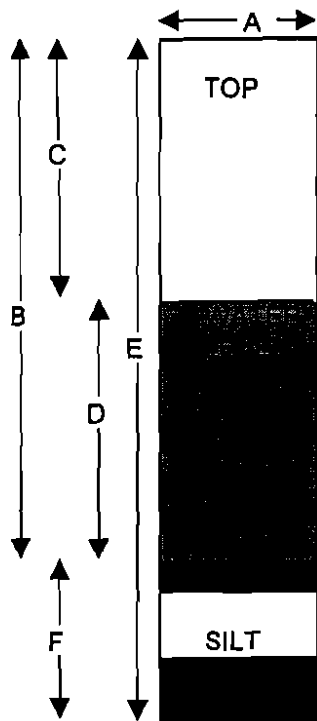
Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 2/10/2001

Client: Cortland CountyProject: Towslee LandfillWell ID.: MW-3ACondition of Well: GoodLocked: YESMethod of Evacuation: Dedicated Bailer

Lock ID: _____

Method of Sampling: Dedicated Bailer

A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>22.40</u>	feet
C.	Depth to Water	<u>8.75</u>	feet
D.	Length of Water Column (calculated)	<u>13.65</u>	feet
	Conversion Factor	<u>X.16</u>	—
	Well Volume (calculated)	<u>2.184</u>	gallons
	No. of Volumes to be Evacuated	<u>X3</u>	—
	Total Volume to be Evacuated	<u>6.552</u>	gallons
	Actual Volume Evacuated	<u>6.5</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements

Initial Evacuation

Final Sampling

Date 6/16/09
 Time 1:31 pm
 EH 219
 Temperature 13.3°C
 pH 6.75
 Specific Cond. 210
 Turbidity 5.82
 Dissolved Oxygen N/A
 Appearance Clear

Date 6/17/09
 Time 11:21 am
 EH 359
 Temperature 14.8°C
 pH 8.16
 Specific Cond. 187
 Turbidity 4.55
 Dissolved Oxygen N/A
 Appearance Clear

% Recharge:

Initial Depth to Water 8.75 feetRecharge Depth to Water 9.82 feet2nd water column height 89.10 %

1st water column height

Elevation (Top of Casing) N/A feetG.W. Elevation = N/A feet

G.W. Elevation = Top of Case Elev - Total Depth

Weather: 69° Sun 52° Cloudy

Observations: _____

Sampler: Don Annell

Justin Gibson

Signature: Don Annell

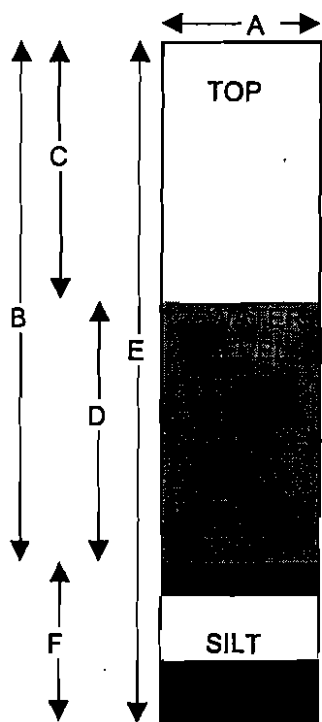
Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 2/10/2001

Client: Cortland CountyProject: Towslee LandfillWell ID.: MW-6BCondition of Well: GoodLocked: NOMethod of Evacuation: Dedicated Bailer

Lock ID: _____

Method of Sampling: Dedicated Bailer

A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>40.75</u>	feet
C.	Depth to Water	<u>14.71</u>	feet
D.	Length of Water Column (calculated)	<u>26.04</u>	feet
	Conversion Factor	<u>X.16</u>	—
	Well Volume (calculated)	<u>4.1664</u>	gallons
	No. of Volumes to be Evacuated	<u>X3</u>	—
	Total Volume to be Evacuated	<u>12.4992</u>	gallons
	Actual Volume Evacuated	<u>12.5</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>6/16/09</u>	<u>6/17/09</u>
Time	<u>2:49 pm</u>	<u>12:36 pm</u>
EH	<u>171</u>	<u>186</u>
Temperature	<u>10.4° C</u>	<u>14.1° C</u>
pH	<u>7.24</u>	<u>7.32</u>
Specific Cond.	<u>166</u>	<u>187</u>
Turbidity	<u>19.2</u>	<u>3.62</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Sl. Cloudy</u>	<u>Clear</u>

Weather:	<u>69° Sun</u>	<u>59° Cloudy</u>
Observations:	<u>Dupe</u>	

% Recharge:

Initial Depth to Water 14.71 feetRecharge Depth to Water 14.86 feet2nd water column height 98.99 %

1st water column height _____

Elevation (Top of Casing) N/A feetG.W. Elevation = N/A feet

G.W. Elevation = Top of Case Elev - Total Depth

Sampler:
Justin Gibson - Dan AnnellSignature: Dan Annell

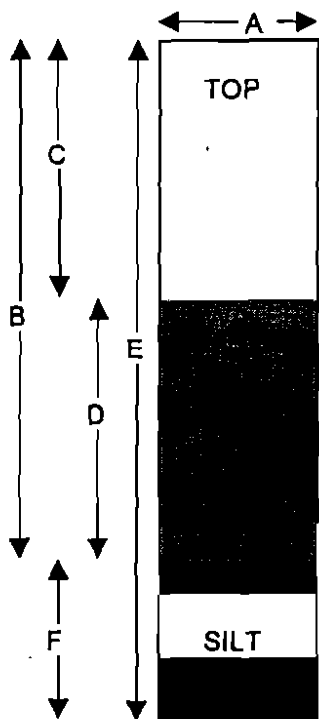
Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01

Revised: 2/10/2001

Client: Cortland CountyProject: Towslee LandfillWell ID.: MW-7ACondition of Well: GoodLocked: YESMethod of Evacuation: Dedicated Bailer

Lock ID: _____

Method of Sampling: Dedicated Bailer

A.	Diameter of Well	<u>2"</u>	inches
B.	Well Depth Measured	<u>22.20</u>	feet
C.	Depth to Water	<u>4.11</u>	feet
D.	Length of Water Column (calculated)	<u>18.09</u>	feet
	Conversion Factor	<u>X.16</u>	---
	Well Volume (calculated)	<u>2.8944</u>	gallons
	No. of Volumes to be Evacuated	<u>X3</u>	---
	Total Volume to be Evacuated	<u>8.6832</u>	gallons
	Actual Volume Evacuated	<u>9</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>6/16/09</u>	<u>6/17/09</u>
Time	<u>2:03 pm</u>	<u>12:10 pm</u>
EH	<u>227</u>	<u>219</u>
Temperature	<u>16.7°C</u>	<u>16.0°C</u>
pH	<u>6.58</u>	<u>6.77</u>
Specific Cond.	<u>630</u>	<u>622</u>
Turbidity	<u>7.34</u>	<u>375</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Clear</u>	<u>Very Cloudy</u>

Weather: 81° Sun 54° Cloudy
 Observations: Dissolved Metals Taken

% Recharge:

Initial Depth to Water 4.11 feetRecharge Depth to Water 4.39 feet2nd water column height 93.62 %

1st water column height

Elevation (Top of Casing) N/A feetG.W. Elevation = N/A feet

G.W. Elevation = Top of Case Elev - Total Depth

Sampler: Justin Gibson - Dan Annell
 Signature: Dan Annell

Upstate Laboratories, Inc.

Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057

Phone (315) 437 0255

Fax (315) 437 1209

ULI Computer Input Form

Client: CORTLAND COUNTY		Project #/ Project Name: TOWSLEE LANDFILL				Number of Containers	1	2	3	4	5	6	7	8	9	10	93 REGS ASP- B	Remarks																																																																																																			
Client Contact: PATRICK REIDY		Phone #: 607-753-0851		Location (City/State) Address: CORTLANDVILLE, NY																																																																																																																	
Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only																																																																																																																
MW-1A	6/16/09	1:46	WATER	GRAB	U0901a340	3	X											MSD																																																																																																			
MW-1B	6/16/09	1:51pm	WATER	GRAB		2	X																																																																																																														
MW-2A	6/16/09	2:27pm	WATER	GRAB		2	X																																																																																																														
MW-2B	6/16/09	2:32pm	WATER	GRAB		2	X																																																																																																														
MW-3A	6/16/09	1:31pm	WATER	GRAB		2	X																																																																																																														
MW-6B	6/16/09	2:49pm	WATER	GRAB		2	X																																																																																																														
MW-7A	6/16/09	2:13pm	WATER	GRAB		2	X																																																																																																														
ULI TRIP BLANK	(6/16/09)		(Water)	(Grab)		1	X																																																																																																														
New Expansion Wells																																																																																																																					
17A	6/16/09	11:59am	Water	Grab		2	X																																																																																																														
17B	6/16/09	11:53am	Water	Grab		2	X																																																																																																														
Dupe MW-6B	6/16/09	2:49pm	Water	Grab		2	(X)																																																																																																														
(Holding Blank)	(6-17-09)	(1305)	(Water)	(Grab)		1	(X)																																																																																																														
<table border="1"> <tr> <td>Parameter and Method</td> <td>Sample bottle:</td> <td>Type</td> <td>Size</td> <td>Preservative</td> <td>Sampled by (Print) <i>Don Ansell</i></td> <td colspan="3">Name of Courier</td> </tr> <tr> <td>1 EPA 8260 BASELINE LIST</td> <td></td> <td>GLASS</td> <td>40 ML</td> <td>1:1 HCL</td> <td>Company: <i>ULI</i></td> <td colspan="3"></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td>Relinquished by:(sign)</td> <td>Date</td> <td>Time</td> <td>Received by: (sign)</td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td>Relinquished by:(sign)</td> <td>Date</td> <td>Time</td> <td>Received by: (sign)</td> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td>Relinquished by:(sign)</td> <td>Date</td> <td>Time</td> <td>Rec'd for Lab by:</td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td><i>Don Ansell</i></td> <td>6/16/09</td> <td>4pm</td> <td><i>H. Crump</i></td> </tr> </table>																			Parameter and Method	Sample bottle:	Type	Size	Preservative	Sampled by (Print) <i>Don Ansell</i>	Name of Courier			1 EPA 8260 BASELINE LIST		GLASS	40 ML	1:1 HCL	Company: <i>ULI</i>				2					Relinquished by:(sign)	Date	Time	Received by: (sign)	3									4									5									6					Relinquished by:(sign)	Date	Time	Received by: (sign)	7									8									9					Relinquished by:(sign)	Date	Time	Rec'd for Lab by:	10					<i>Don Ansell</i>	6/16/09	4pm	<i>H. Crump</i>
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Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)																																																																																																																					

Appendix C

Historical Analytical Data

Cortland County Towslee Landfill

Historical Data Page Index Cortland County Towslee Landfill

Well	Field/ Inorganic Parameters	Total Metals	Dissolved Metals	Organics
MW-1A	2	9	16	23
MW-1B	3	10	17	24
MW-2A	4	11	18	25
MW-2B	5	12	19	26
MW-3A	6	13	20	27
MW-6B	7	14	21	28
MW-7A	8	15	22	29

Historical Water Quality Database - Towslee Landfill
Field and Inorganic Parameters
Well MW-1A - Overburden

Parameter	Units	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Temp	(deg C)	--	--	8.5	12.8	19.5	15.9	9.3	6.7	21.6	16	11.2	21.7	10.6	3.6	19.6
Eh	(mV)	--	--	700	105	190	170	59	-107	-111	-68	-57	-62	-69	-21	143
pH	(Std Units)	--	--	7.8	7.7	7.52	7.69	8.29	7.93	7.83	8.01	7.85	8.07	8.23	7.4	8.09
Sp. Cond	(uS/cm)	--	--	306	355	353	369	204	221	241	658	351	344	334	344	199
Color	(Units)	5	20	--	--	<5	--	--	--	--	30	--	--	--	--	18
Turbidity	(NTU)	--	--	660	73	131	29	55.6	34.8	24.3	28.1	16	11.6	24.6	16.7	23.4
ALK as CaCO3	(mg/l)	160	145	127	139	122	132	140	120	120	130	120	120	120	130	100 H
HARD as CaCO3	(mg/l)	4000	240	167	140	148	148	134	153	148	146	151	159	165	161	163
TDS	(mg/l)	494	214	340	213	236	229	127	208	250	204	195	116	188 H	256	180
Chloride	(mg/l)	152	46	21.3	22.2	34.2	26.7	28.7	27	27	27.9	28	25.9	29.7	30.4	30.7
Sulfate	(mg/l)	20.6	14.6	27.3	12.3	16.5	14.9	8.79	14.2	48.6	11.2	16.3	<5	11.6	14	14.3
Bromide	(mg/l)	1.2	0.8	< 0.1	<0.1	<0.1	0.117	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<2	<0.2	<2
NO3 (As N)	(mg/l)	<0.1	<0.1	< 0.1	0.217	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NH4 (As N)	(mg/l)	6	2.6	0.276	<0.02	0.161	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TKN (as N)	(mg/l)	18	3.8	23.3	0.529 H	0.366	<0.2	2.2	<0.5	5.66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
COD	(mg/l)	305	64	< 10	<10	<10	<10	<20	<20	<20	<20	<20	<20	<20	<20	<20
BOD	(mg/l)	5	<2	< 3	<3	<3	<3	<4	<4	<4	<4	9	<4	<4	<4	<4
TOC	(mg/l)	4.2	1.6	4.76	2.61	<2	<2	<3	<3	<3	<3	<3	<3	<3	<3	<3
Phenolics, Tot	(mg/l)	0.003	0.0015	< 0.005	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	<0.01	<0.01	--	--	<0.01	--	--	--	--	<0.01	--	--	--	--	< 0.01

H - exceeded hold time

Historical Water Quality Database - Towslee Landfill
Field and Inorganic Parameters
Well MW-1B - Bedrock

Parameter	Units	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Temp	(deg C)	--	--	5	11.4	16.4	15.8	9.6	7.2	21.5	16.3	1.7	10.2	20.9	11.8	2.7	18.7
Eh	(mV)	--	--	385	45	155	115	84	-122	-143	-80	196	-78	-78	-78	-44	139
pH	(Std Units)	--	--	7.7	7.8	7.69	7.9	8.47	8.24	8.03	8.28	8.66	8.34	8.33	8.38	7.8	8.13
Sp. Cond	(uS/cm)	--	--	157	257	244	200	156	141	1241	943	1075	245	223	229	205	124
Color	(Units)	<5	<5	--	--	<5	--	--	--	--	30	7	--	--	--	--	9
Turbidity	(NTU)	--	--	187	45	70	15.6	67.4	9.62	10.2	22.8	35.8	14.6	12.3	6.33	2.47	8.2
ALK as CaCO3	(mg/l)	94.8	93.6	92	94	91	89	99	96	100	100	100	100	100	99	92 H	100
HARD as CaCO3	(mg/l)	88	140	97.6	81.9	89	82	83.6	105	104	90.8	89.3	103	107	105	97.1	111
TDS	(mg/l)	143	86	120	111	142	120	62	162	130	104	152	130	80	140	160	110
Chloride	(mg/l)	<2	<2	2.55	2.28	3.47	0.611	3.24	4.45	3.16	6.44	3.15	5.95	5.61	6.03	2.86 H	4.74
Sulfate	(mg/l)	5.2	<5	4.72	5.51	5.33	3.76	7.09	6.31	28.8	5.26	<5	9.42	<5	<5	6.37	5.19
Bromide	(mg/l)	<0.5	<0.5	< 0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NO3 (As N)	(mg/l)	0.2	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NH4 (As N)	(mg/l)	<0.02	0.04	0.0938	<0.02	<0.02	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TKN (as N)	(mg/l)	<0.2	<0.2	0.54	0.755 H	0.497	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
COD	(mg/l)	<15	<15	< 10	<10	<10	<10	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
BOD	(mg/l)	<2	<2	< 3	<3	<3	<3	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
TOC	(mg/l)	9.3	<1	5.41	2.34	<2	<2	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Phenolics, Tot	(mg/l)	<0.001	<0.001	< 0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	--	--	--	--	<0.01	--	--	--	--	<0.01	<10	--	--	--	--	< 0.01

H - exceeded hold time

Historical Water Quality Database - Towslee Landfill
Field and Inorganic Parameters
Well MW-2A - Overburden

Parameter	Units	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Temp	(deg C)	--	--	4.4	11.6	17.2	14.2	9.2	7.7	18	14.6	3.1	11.1	19.1	12	3.1	16.5
Eh	(mV)	--	--	140	-5	120	90	136	-62	-81	-25	42	-48	-31	-34	-34	239
pH	(Std Units)	--	--	6.4	6.4	6.15	6.41	7.31	7.14	7.41	7.12	7.94	7.81	7.58	7.63	7.63	6.44
Sp. Cond	(uS/cm)	--	--	621	767	784	1100	364	450	395	574	617	424	402	695	601	413
Color	(Units)	30	60	--	--	33	--	--	--	--	210	40	--	--	--	--	65
Turbidity	(NTU)	--	--	18.6	18.3	195	27	48.9	30.7	15	5.07	7.83	26.8	49.2	8.52	5.6	40.9
ALK as CaCO3	(mg/l)	702	784	330	355	384	423	380	320	420	290	360	290	380	360	320	360
HARD as CaCO3	(mg/l)	1300	720	241	260	265	301	225	262	275	165	246	203	303	343	229	295
TDS	(mg/l)	1180	986	381	397	491	487	262	355	395	284	410	357	320	356	316	220
Chloride	(mg/l)	156	149	23.3	25.7	23.5	25.7	21.2	14.7	24.4	10.6	21	13.5	20.2	15.5	13.7	20.5
Sulfate	(mg/l)	<5	<5	4.22	5.5	3.43	3.18	<5	<5	<10	9.93	<10	<5	<20	<10	<5	<5
Bromide	(mg/l)	0.8	<0.5	0.189	0.18	0.237	0.261	<0.2	<0.2	<2	<2	<2	<200	<20	<20	<2	<2
NO3 (As N)	(mg/l)	<0.1	0.14	0.228	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NH4 (As N)	(mg/l)	23	9.1	10.6	18.4	16	15.1	10.2	9.89	14.1	13.5	8.78	8.2	11.9	10.8	8.43	11.8
TKN (as N)	(mg/l)	31.5	21.2	10.6	14 H	16.5	15	132	12.5	16.1	12.6	10.7	11.2	12.9	11.6	10.3	13.5
COD	(mg/l)	127	136	< 10	13.8	27	15.6	<20	<20	46	22	23	21	36	32	<20	31
BOD	(mg/l)	6	3	16	4.5	3.4	<3	6	7	7	<4	<4	5	7	<4	<4	12
TOC	(mg/l)	42.5	24.1	10.1	7.18	5.67	5.68	6.7	4.8	7.3	6.3	21.8	5.2	6.3	6	4.8	7.2
Phenolics, Tot	(mg/l)	0.0071	0.0066	< 0.005	0.008	<0.005	<0.005	<0.005	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	<0.01	<0.01	--	--	<0.01	--	--	--	--	<0.01	<10	--	--	--	--	< 0.01

H - exceeded hold time

Historical Water Quality Database - Towslee Landfill
Field and Inorganic Parameters
Well MW-2B - Bedrock

Parameter	Units	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Temp	(deg C)	--	--	4.5	10.5	15.9	14.5	9.1	8.3	16.5	15.8	3.2	10.3	18.3	12.9	4.9	15.5
Eh	(mV)	--	--	175	110	125	115	136	-73	-77	-34	40	-46	-38	-33	-22	237
pH	(Std Units)	--	--	6.4	6.4	6.35	6.52	7.14	7.35	7.37	7.35	8.34	7.77	7.73	7.59	7.42	6.43
Sp. Cond	(uS/cm)	--	--	1350	1560	1420	1540	701	682	500	329	339	1205	1132	1137	1135	739
Color	(Units)	5	10	--	--	<5	--	--	--	--	15	7	--	--	--	--	8
Turbidity	(NTU)	--	--	17.3	19.8	18.7	28	14.2	11	9.48	37	41.5	13.5	15.4	3.14	11	4.17
ALK as CaCO3	(mg/l)	577	673	652	670	612	646	650	480	600	640	640	620	640	680	650	580
HARD as CaCO3	(mg/l)	960	900	697	726	686	675	723	575	716	652	678	654	728	788	678	782
TDS	(mg/l)	1640	1230	982	1020	1040	980	825	823	935	868	840	808	720	864	872	870
Chloride	(mg/l)	267	238	145	154	122	121	167	131	163	161	160	132	148	162	118	159
Sulfate	(mg/l)	<5	<5	1.18	2.96	<1	<1	<5	<5	10	<5	<5	<5	7.62	<5	<5	<5
Bromide	(mg/l)	1.1	0.9	0.878	1.01	0.902	0.912	0.95	<2	<2	0.92	<2	<20	<2	<0.2	<0.2	<0.2
NO3 (As N)	(mg/l)	<0.1	<0.1	<0.1	0.216	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NH4 (As N)	(mg/l)	0.95	1.3	0.389	0.824	0.786	0.282	0.921	0.844	1.31	1.22	0.785	0.572	1.01	0.504	0.642	0.665
TKN (as N)	(mg/l)	2.6	2	1.31	1.78 H	1.64	1.9	1.84	1.62	1.67	1.53	1.33	1.55	1.03	1.13	1.22	1.19
COD	(mg/l)	58	61	<10	17.2	24.6	27	21	<20	<20	<20	24	<20	<20	<20	<20	23
BOD	(mg/l)	2	2	9.3	5.1	3.7	13	<4	4	<4	<4	<4	5	<4	<4	<4	<4
TOC	(mg/l)	12.3	11.9	<2	7.76	4.82	7.49	6.4	3	5.7	17.2	82.6	23.2	4.7	6.8	4.5	5.5
Phenolics, Tot	(mg/l)	0.0044	0.0039	<0.005	<0.005	<0.005	0.1	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	--	--	--	--	0.024	--	--	--	--	<0.01	<10	--	--	--	--	<0.01

H - exceeded hold time

Historical Water Quality Database - Towslee Landfill
Field and Inorganic Parameters
Well MW-3A - Bedrock

Parameter	Units	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Temp	(deg C)	--	--	6.4	11.7	15.3	15.7	9.3	5.6	17.9	14.6	3.4	12.1	20.6	13.5	4.2	14.8
Eh	(mV)	--	--	215	45	115	220	-50	-94	-115	-76	174	-34	-39	-41	-26	359
pH	(Std Units)	--	--	7.2	6.9	7.01	6.84	7.82	7.64	7.84	8.25	8.06	7.62	7.66	7.72	7.49	8.16
Sp. Cond	(uS/cm)	--	--	286	299	342	397	143	898	1757	939	1074	261	1759	204	1069	187
Color	(Units)	<5	<5	--	--	<5	--	--	--	--	115	15	--	--	--	--	7
Turbidity	(NTU)	--	--	58	11.9	5.2	7.2	10.6	19.6	16.4	13.7	17	17.7	17.9	6.67	10.9	4.55
ALK as CaCO3	(mg/l)	145	146	162	170	140	152	82	59	170	130	110	170	91	97	18	160
HARD as CaCO3	(mg/l)	1250	200	153	179	191	158	74	58.1	150	86.2	97.7	123	76.7	97.9	38.1	196
TDS	(mg/l)	320	269	215	208	207	207	38	168	210	144	115	188	60	112	88	120
Chloride	(mg/l)	31.4	28.7	14	12.7	13.5	12.7	3.37	1.8	12	5.73	2.43	10.5	1.1	1.75	1.85	9.25
Sulfate	(mg/l)	16	13	9.14	11	9.98	8.01	<5	<5	20.5	<5	<5	7.74	19.9	<5	7.53	11.2
Bromide	(mg/l)	0.5	<0.5	<0.1	<0.1	0.152	0.143	1.2	<2	<0.2	<2	<2	<0.2	<20	<2	<0.2	<0.2
NO3 (As N)	(mg/l)	<0.1	0.19	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	0.338	<0.2	<0.2	1.14	<0.2	<0.2
NH4 (As N)	(mg/l)	<0.02	0.09	0.0969	<0.02	<0.02	<0.1	1.45	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TKN (as N)	(mg/l)	0.4	0.24	0.455	1.09 H	0.239	0.266	4.26	1.47	<0.5	<0.5	<0.5	<0.5	0.718	<0.5	<0.5	<0.5
COD	(mg/l)	19	<15	<10	<10	13	<10	47	<20	<20	<20	23	<20	34	<20	<20	<20
BOD	(mg/l)	<2	<2	<3	<3	<3	<3	<4	8	<4	<4	<4	7	9	<4	<4	<4
TOC	(mg/l)	4.5	1.9	5.58	<2	<2	<2	<3	<3	<3	3.7	<3	<3	7.3	3.6	<3	<3
Phenolics, Tot	(mg/l)	0.0027	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	--	--	--	--	<0.01	--	--	--	--	<0.01	<10	--	--	--	--	<0.01

H - exceeded hold time

Historical Water Quality Database - Towslee Landfill
Field and Inorganic Parameters
Well MW-6B - Bedrock

Parameter	Units	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Temp	(deg C)	--	--	7.9	10.5	12.2	14.3	9.7	7.4	15.6	14.8	3.7	10.4	16.1	12.6	6.5	14.1
Eh	(mV)	--	--	250	85	225	180	82	-92	-105	-57	121	-71	-81	-54	-38	186
pH	(Std Units)	--	--	6.7	7.4	7.52	7.11	8.04	7.73	7.85	7.82	8.55	8.25	8.21	7.96	7.7	7.32
Sp. Cond	(uS/cm)	--	--	347	287	304	329	220	249	238	810	199	360	343	355	327	187
Color	(Units)	<5	20	--	--	<5	--	--	--	--	6	7	--	--	--	--	11
Turbidity	(NTU)	--	--	40	19.9	15.8	14.2	68.9	8.1	9.48	12.5	13.6	11.6	2.19	5.24	9.56	3.62
ALK as CaCO3	(mg/l)	240	224	131	148	154	153	180	160	150	140	140	140	110	120	120	140
HARD as CaCO3	(mg/l)	300	240	135	144	131	133	156	139	138	124	136	142	137	134	142	154
TDS	(mg/l)	98	280	209	175	190	187	127	105	220	208	198	225	116	168	188	190 H
Chloride	(mg/l)	38.2	35	21.1	2.33	2.32	3.39	11.6	6.99	13.8	25.9	16.7	16.9	31.1	28.6	13.3	19.4
Sulfate	(mg/l)	27.1	22.2	13.8	3.95	3.28	6.14	8.54	6.79	17.3	12.7	18.1	16.5	26.8	17.2	13.2	14.2
Bromide	(mg/l)	<0.5	<0.5	< 0.1	<0.1	0.122	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2
NO3 (As N)	(mg/l)	0.6	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NH4 (As N)	(mg/l)	0.09	2.5	0.0549	<0.02	0.096	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TKN (as N)	(mg/l)	0.6	3.3	0.392	0.904 H	0.214	0.279	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
COD	(mg/l)	40	19	< 10	<10	11.6	<10	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
BOD	(mg/l)	<2	2	< 3	5.1	3.2	<3	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
TOC	(mg/l)	6	5.8	5.22	3.14	<2	<2	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Phenolics, Tot	(mg/l)	0.0032	<0.001	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	--	--	--	--	<0.01	--	--	--	--	<0.01	<10	--	--	--	--	< 0.01

H - exceeded hold time

Historical Water Quality Database - Towslee Landfill
Field and Inorganic Parameters
Well MW-7A - Overburden

Parameter	Units	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Temp	(deg C)	--	--	4.5	11.6	17.4	13.9	9.3	7.8	18.8	15.2	2	9.8	18.6	11.1	4.2	16
Eh	(mV)	--	--	215	120	245	190	77	-64	-69	-24	245	-37	-42	-41	-19	219
pH	(Std Units)	--	--	6.5	6.4	6.34	6.62	7.04	7.12	7.2	7.11	7.77	7.63	7.73	8.09	7.35	6.77
Sp. Cond	(uS/cm)	--	--	1360	1520	1440	1480	893	765	514	972	561	1174	618	214	1014	622
Color	(Units)	20	5	--	--	<5	--	--	--	--	85	7	--	--	--	--	80
Turbidity	(NTU)	--	--	214	18	13.6	42	45.3	54.3	40.9	48.1	39.3	44.4	41.6	42.7	40.9	375
ALK as CaCO3	(mg/l)	569	660	648	675	595	635	640	510	530	540	570	560	600	670	500	500
HARD as CaCO3	(mg/l)	1010	1150	627	599	531	526	529	499	481	459	528	506	538	569	496	534
TDS	(mg/l)	1220	1240	981	967	963	949	753	865	3000	752	800	1560	668	728	748	720
Chloride	(mg/l)	300	276	144	143	119	85	145	131	145	141	141	1260	136	135	114	128
Sulfate	(mg/l)	27.4	20.2	20.6	22.5	19.7	14.1	16.5	23.2	22.7	17.8	12.2	<20	21	16.1	21	22.3
Bromide	(mg/l)	0.6	<0.5	0.753	0.633	0.822	0.483	0.6	<0.2	<2	<2	<2	<200	<20	<20	<0.2	<0.2
NO3 (As N)	(mg/l)	<0.1	0.2	< 0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	0.25	<0.2	<0.2	<0.2	<0.2
NH4 (As N)	(mg/l)	0.93	0.89	0.34	<0.02	<0.02	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TKN (as N)	(mg/l)	1.1	1.4	1.5	1.68 H	0.75	1.11	1.47	3.6	0.784	0.591	0.522	0.949	<0.5	<0.5	1.92	0.851
COD	(mg/l)	43	112	21.2	16.5	26.4	20.5	27	<20	<20	<20	<20	36	22	29	<20	38
BOD	(mg/l)	<2	2	< 3	<3	<3	<3	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
TOC	(mg/l)	10.1	12.6	12.8	8.19	6.12	7.46	8.1	6	7.2	11.5	69.9	17.8	5.2	6.1	5.1	5.7
Phenolics, Tot	(mg/l)	0.0051	0.0027	< 0.005	0.007	<0.005	<0.005	<0.005	0.006	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide	(mg/l)	<0.01	<0.01	--	--	<0.01	--	--	--	--	<0.01	<10	--	--	--	--	< 0.01

H - exceeded hold time

Historical Water Quality Data - Towslee Landfill
MW-1A Total Metals

Parameter	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Aluminum	724	16.9	--	--	2.96	--	--	--	--	2.07	--	--	--	--	1.57
Antimony	<0.003	<0.003	--	--	<0.05	--	--	--	--	<0.015	--	--	--	--	<0.015
Arsenic	0.353	0.0134	--	--	<0.025	--	--	--	--	<0.01	--	--	--	--	<0.01
Barium	8.11	0.258	--	--	0.104	--	--	--	--	0.0917	--	--	--	--	0.0732
Beryllium	0.0287	0.00083 B	--	--	<0.005	--	--	--	--	<0.003	--	--	--	--	<0.003
Boron	0.0873 B	0.0665 B	--	--	0.073	--	--	--	--	<0.5	--	--	--	--	<0.5
Cadmium	<0.0003	<0.0003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	430	48.6	46.2	41.8	43.2	43.9	39.2	44.5	43.5	42.2	43.2	46.2	48.3	47.2	47
Chromium	1.04	0.0265	--	--	<0.005	--	--	--	--	<0.005	--	--	--	--	<0.005
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01	--	--	--	--	<0.01
Cobalt	0.59	0.0168 B	--	--	<0.015	--	--	--	--	<0.02	--	--	--	--	<0.02
Copper	0.996	0.0254	--	--	0.022	--	--	--	--	<0.01	--	--	--	--	<0.01
Iron	1550	35.7	19.4	2.99	6.03	2.11	1.67	2.14	1.21	3.49	1.17	0.217	0.429	0.818	1.65
Lead	0.454	0.0123	0.00716	0.007	<0.005	<0.005	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Magnesium	309	15.6	12.6	8.67	9.7	9.43	8.87	10.2	9.67	9.8	10.6	10.7	10.8	10.6	11.1
Manganese	24.6	0.783	0.534	0.194	0.38	0.306	0.19	0.193	0.206	0.203	0.157	0.135	0.151	0.0917	0.169
Mercury	0.0014	<0.0001	--	--	<0.0004	--	--	--	--	<0.0002	--	--	--	--	<0.0002
Nickel	1.33	0.0364 B	--	--	<0.01	--	--	--	--	<0.03	--	--	--	--	<0.03
Potassium	77.5	6.97	2.72	1.6	1.7	1.62	1.74	2.31	1.59	2.06	1.65	1.51	1.69	1.52	1.78
Sodium	37.3	26	17.1	13	13.6	13.5	12.2	12.5	13	11.8	12.5	13.8	13.2	13.4	13.9
Selenium	<0.028	<0.0028	--	--	<0.02	--	--	--	--	<0.005	--	--	--	--	<0.005
Silver	<0.009	<0.0009	--	--	<0.015	--	--	--	--	<0.01	--	--	--	--	<0.01
Thallium	<0.026	<0.0026	--	--	<0.03	--	--	--	--	<0.01	--	--	--	--	<0.01
Vanadium	0.856	0.0243 B	--	--	<0.015	--	--	--	--	<0.03	--	--	--	--	<0.03
Zinc	3.36	0.0874	--	--	0.106	--	--	--	--	0.0235	--	--	--	--	<0.01

All units in mg/l

Historical Water Quality Data - Towslee Landfill
MW-1B Total Metals

Parameter	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Aluminum	0.662	0.134 B	--	--	1.09	--	--	--	--	0.537	0.518	--	--	--	--	0.255
Antimony	<0.003	<0.003	--	--	<0.05	--	--	--	--	<0.015	<0.015	--	--	--	--	<0.03
Arsenic	<0.0024	<0.0024	--	--	<0.025	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Barium	0.168 B	0.154 B	--	--	0.194	--	--	--	--	0.172	0.199	--	--	--	--	0.232
Beryllium	0.0001 B	<0.0001	--	--	<0.005	--	--	--	--	<0.003	<0.003	--	--	--	--	<0.003
Boron	0.0197 B	0.0247 B	--	--	<0.05	--	--	--	--	<0.5	<0.5	--	--	--	--	<0.5
Cadmium	<0.0003	<0.0003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00542	<0.005
Calcium	26.7	24.7	26.8	23.9	25.8	24.1	23.7	30	29.9	26	25.1	28.6	30.2	30	27.7	31.4
Chromium	0.002 B	<0.0004	--	--	<0.005	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.01
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Cobalt	<0.0011	<0.0011	--	--	<0.015	--	--	--	--	<0.02	<0.02	--	--	--	--	<0.02
Copper	0.004 B	0.0025 B	--	--	0.017	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Iron	1.33	0.226	9.42	1.48	1.84	0.273	2.39	0.508	0.465	0.73	1	1.38	0.185	0.174	2.92	0.523
Lead	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	0.00431	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Magnesium	6.47	5.84	7.46	5.39	6.05	5.31	5.94	7.4	7.12	6.28	6.44	7.58	7.74	7.28	6.76	7.83
Manganese	0.195	0.146	2.28	0.191	0.251	0.126	0.521	0.169	0.19	0.176	0.26	0.198	0.169	0.153	0.223	0.25
Mercury	--	--	--	--	<0.0004	--	--	--	--	<0.0002	<0.0002	--	--	--	--	<0.0002
Nickel	<0.0013	<0.0013	--	--	<0.01	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Potassium	1.56 B	0.529 B	0.973	0.468	0.523	0.374	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sodium	7.38	6.18	6.31	5.22	6.35	5.92	5.22	6.82	7.1	5.84	5.66	6.73	7.29	6.81	6.37	8.15
Selenium	--	--	--	--	<0.02	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.005
Silver	--	--	--	--	<0.015	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Thallium	<0.0026	<0.0026	--	--	<0.03	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Vanadium	<0.0012	<0.0012	--	--	<0.015	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Zinc	0.0351	0.0163 B	--	--	0.052	--	--	--	--	0.0168	0.0112	--	--	--	--	<0.01

All units in mg/l

Historical Water Quality Data - Towslee Landfill
MW-2A Total Metals

Parameter	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Aluminum	79.3	59.1	--	--	0.43	--	--	--	--	0.444	1.98	--	--	--	--	<0.1
Antimony	0.0049 B	<0.003	--	--	<0.05	--	--	--	--	<0.015	<0.015	--	--	--	--	<0.03
Arsenic	0.0631	0.0537	--	--	<0.025	--	--	--	--	<0.01	0.0145	--	--	--	--	<0.01
Barium	1.75	1.49	--	--	0.502	--	--	--	--	0.265	0.377	--	--	--	--	0.471
Beryllium	0.0037 B	0.0025 B	--	--	<0.005	--	--	--	--	<0.003	<0.003	--	--	--	--	<0.003
Boron	1.21	0.961	--	--	0.584	--	--	--	--	<0.5	<0.5	--	--	--	--	<0.5
Cadmium	<0.0003	0.0016 B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	186	172	69.1	74.1	77.3	88.5	64.2	75.3	80.4	47.9	70.3	57.5	87.8	99	66.7	87.1
Chromium	0.112	0.0967	--	--	<0.005	--	--	--	--	<0.005	0.0177	--	--	--	--	<0.01
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.02	<0.05	--	--	--	--	<0.01
Cobalt	0.0719	0.0628	--	--	<0.015	--	--	--	--	<0.02	<0.02	--	--	--	--	<0.02
Copper	0.104	0.0779	--	--	0.012	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Iron	154	131	8.29	24	6.5	10.1	10.8	6.86	7.67	4.95	9.77	4.1	10.6	9.51	7.77	8.28
Lead	0.0561	0.0436	<0.005	0.019	<0.005	0.006	0.00524	<0.003	<0.003	<0.003	<0.003	<0.003	0.0039	<0.003	<0.003	<0.003
Magnesium	61.6	53.6	16.6	18.3	17.5	19.4	15.7	17.9	18	11	17.1	14.3	20.3	23.1	15.1	18.8
Manganese	35.7	31.6	12.2	11.5	12	13.6	9.93	11.7	12.7	7.05	11.2	9.3	13.8	15.1	10.7	12.8
Mercury	<0.0001	<0.0001	--	--	<0.0004	--	--	--	--	<0.0002	<0.0002	--	--	--	--	<0.0002
Nickel	0.151	0.132	--	--	<0.01	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Potassium	23.4	17	9.29	11.2	12.3	12.7	9.02	10.8	13.3	2.14	8.56	7.56	12.3	15.1	7.48	12.4
Sodium	119	102	26.3	25.2	31.4	31.4	19.5	22.9	26.1	13.8	19.2	16.5	25.6	25.9	17.8	23.8
Selenium	<0.0028	<0.0028	--	--	<0.02	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.005
Silver	0.0024 B	0.0014 B	--	--	<0.015	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Thallium	0.004 B	<0.0026	--	--	<0.03	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Vanadium	0.102	0.0866	--	--	<0.015	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Zinc	0.4	0.278	--	--	<0.01	--	--	--	--	<0.01	0.0101	--	--	--	--	<0.01

All units in mg/l

Historical Water Quality Data - Towslee Landfill
MW-2B Total Metals

Parameter	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Aluminum	2.03	5.31	--	--	0.18	--	--	--	--	<0.1	0.168	--	--	--	--	0.235
Antimony	<0.003	<0.003	--	--	<0.05	--	--	--	--	<0.015	<0.015	--	--	--	--	<0.03
Arsenic	0.007 B	0.0083 B	--	--	<0.025	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Barium	1.59	1.36	--	--	1.22	--	--	--	--	1.09	1.18	--	--	--	--	1.43
Beryllium	0.00023 B	0.00037 B	--	--	<0.005	--	--	--	--	<0.003	<0.003	--	--	--	--	<0.003
Boron	0.355	0.292	--	--	0.256	--	--	--	--	<0.5	<0.5	--	--	--	--	<0.5
Cadmium	0.0003 B	<0.0003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	288	245	203	216 E	203 E	200	216	170	214	195	201	192	214	235	201	237
Chromium	0.004 B	0.0086 B	--	--	<0.005	--	--	--	--	<0.005	0.00816	--	--	--	--	<0.01
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Cobalt	0.0091 B	0.0141 B	--	--	<0.015	--	--	--	--	<0.02	<0.02	--	--	--	--	<0.02
Copper	0.0069 B	0.0118 B	--	--	0.017	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Iron	4.3	10.7	0.913	0.836	1.2	1.07	0.637	0.469	0.468	0.323	0.439	0.56	0.236	0.28	0.466	0.464
Lead	0.0044	0.0058	<0.005	0.009	<0.005	<0.005	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Magnesium	61.7	49.9	46.1	45.3	43.5	42.7	44.8	36.3	44.1	39.9	42.8	42.4	47.1	49.1	42.9	45.9
Manganese	8.24	7.43	6.98	6.8	6.63	6.46	6.42	4.93	6.6	5.7	6.21	5.96	6.49	6.84	6.5	6.63
Mercury	--	--	--	--	<0.0004	--	--	--	--	<0.0002	<0.0002	--	--	--	--	<0.0002
Nickel	0.0129 B	0.0188 B	--	--	<0.01	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Potassium	3 B	2.9 B	2.42	2.25	2.28	2.38	2.74	2.14	2.44	<1	2.44	2.2	2.23	3.13	2.44	2.71
Sodium	64.1	53.9	53.8	49.7	51.1	51	50.9	40.8	52.3	48.2	50.6	47.4	51.4	58.2	49.3	55.4
Selenium	--	--	--	--	<0.02	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.005
Silver	--	--	--	--	<0.015	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Thallium	0.0037 B	<0.0026	--	--	<0.03	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Vanadium	0.0029 B	0.0075 B	--	--	<0.015	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Zinc	0.103	0.0484	--	--	<0.01	--	--	--	--	0.0469	<0.01	--	--	--	--	<0.01

All units in mg/l

Historical Water Quality Data - Towslee Landfill
MW-3A Total Metals

Parameter	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Aluminum	21.7	2.39	--	--	0.078	--	--	--	--	0.33	0.23	--	--	--	--	<0.1
Antimony	<0.003	0.0034 B	--	--	<0.05	--	--	--	--	<0.015	<0.015	--	--	--	--	<0.015
Arsenic	0.0127	<0.0024	--	--	<0.025	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Barium	0.567	0.343	--	--	0.41	--	--	--	--	0.332	0.441	--	--	--	--	0.458
Beryllium	0.001 B	0.00013 B	--	--	<0.005	--	--	--	--	<0.003	<0.003	--	--	--	--	<0.003
Boron	<0.0709	0.0286 B	--	--	0.063	--	--	--	--	<0.5	<0.5	--	--	--	--	<0.5
Cadmium	<0.0003	<0.0003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	57.8	53.7	46.3	55.3	57.9	48.3	23	18.1	45.1	27.5	30.2	37.6	24.4	31.3	12.3	59.5
Chromium	0.0249	0.0022 B	--	--	<0.005	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.01
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Cobalt	0.0121 B	0.0019 B	--	--	<0.015	--	--	--	--	<0.02	<0.02	--	--	--	--	<0.02
Copper	0.0315	0.0076 B	--	--	0.023	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Iron	26.6	3.58	1.88	0.626	0.104	0.283	1.18	0.599	0.231	0.537	0.451	0.574	0.508	0.177	0.6	0.155
Lead	0.0077	<0.001	<0.005	0.005	0.005	<0.005	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Magnesium	17	11	9.13	10	11.2	9.2	4.04	3.1	9.15	4.26	5.42	7.04	3.83	4.8	1.82	11.6
Manganese	0.732	0.174	0.208	0.175	0.416	0.176	0.415	0.501	0.116	0.287	0.0373	0.141	0.618	0.0424	0.294	0.164
Mercury	--	--	--	--	<0.0004	--	--	--	--	<0.0002	<0.0002	--	--	--	--	<0.0002
Nickel	0.0248 B	0.0038 B	--	--	<0.01	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Potassium	7.43	1.87 B	0.938	0.829	1.09	0.937	<1	<1	<1	<1	<1	<1	1.06	<1	<1	<1
Sodium	10.4	6.54	5.66	6.4	8.92	6.03	2.11	1.14	5.1	2.64	2.9	3.52	2.77	2.69	<1	6.81
Selenium	--	--	--	--	<0.02	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.005
Silver	--	--	--	--	<0.015	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Thallium	<0.0026	<0.0026	--	--	<0.03	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Vanadium	0.0296 B	0.0039 B	--	--	<0.015	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Zinc	0.112	0.0265	--	--	0.025	--	--	--	--	0.0106	<0.01	--	--	--	--	<0.01

All units in mg/l

Historical Water Quality Data - Towslee Landfill
MW-6B Total Metals

Parameter	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Aluminum	8.59	0.642	--	--	0.115	--	--	--	--	0.102	0.134	--	--	--	--	<0.1
Antimony	<0.003	<0.003	--	--	<0.05	--	--	--	--	<0.015	<0.015	--	--	--	--	<0.03
Arsenic	0.009 B	0.0084 B	--	--	<0.025	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Barium	0.521	0.48	--	--	0.313	--	--	--	--	0.301	0.337	--	--	--	--	0.404
Beryllium	0.0004 B	0.0001 B	--	--	<0.005	--	--	--	--	<0.003	<0.003	--	--	--	--	<0.003
Boron	0.145	0.145	--	--	<0.05	--	--	--	--	<0.5	<0.5	--	--	--	--	<0.5
Cadmium	<0.0003	<0.0003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	70.5	55.6	39.3	39.6	36.1	37.4	45.6	39.9	40.2	36.7	39.2	39.5	39	38.7	39.6	42.9
Chromium	0.0092 B	0.0017 B	--	--	<0.005	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.01
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Cobalt	0.0112 B	0.0056 B	--	--	<0.015	--	--	--	--	<0.02	<0.02	--	--	--	--	<0.02
Copper	0.0116 B	0.0051 B	--	--	0.016	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Iron	10.6	3	1.09	0.511	0.306	0.195	1.87	0.486	0.163	0.216	0.229	0.33	<0.06	<0.06	0.268	0.104
Lead	0.0044	<0.001	<0.005	<0.005	<0.005	<0.005	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Magnesium	19	12.7	8.94	10.9	9.86	9.71	10.2	9.68	9.12	7.81	9.37	10.4	9.61	9.13	10.5	11.4
Manganese	3.43	4.17	0.559	0.12	0.297	0.185	0.331	0.0908	0.671	0.712	0.327	0.102	0.666	0.619	0.0257	0.0585
Mercury	--	--	--	--	<0.0004	--	--	--	--	<0.0002	<0.0002	--	--	--	--	<0.0002
Nickel	0.0144 B	0.0059 B	--	--	<0.01	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Potassium	4.08 B	2.72 B	1.15	0.825	0.634	0.69	1.05	<1	<1	<1	<1	<1	<1	1.4	1.01	1.03
Sodium	38	31.4	14.9	9.93	10.1	10.7	11.2	10.2	15	14.7	13.8	12.7	18.1	17.6	13.1	17.9
Selenium	--	--	--	--	<0.02	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.005
Silver	--	--	--	--	<0.015	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Thallium	<0.0026	<0.0026	--	--	<0.03	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Vanadium	0.0083 B	0.0012 B	--	--	<0.015	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Zinc	0.0894	0.0248	--	--	0.014	--	--	--	--	0.0213	0.0103	--	--	--	--	<0.01

All units in mg/l

Historical Water Quality Data - Towslee Landfill
MW-7A Total Metals

Parameter	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	10/10/06	3/20/07	4/26/07	7/31/07	10/10/07	2/1/08	4/16/08	7/23/08	10/24/08	3/12/09	6/17/09
Aluminum	40	88.4	--	--	0.415	--	--	--	--	2.43	0.919	--	--	--	--	9.56
Antimony	<0.003	<0.003	--	--	<0.05	--	--	--	--	<0.015	<0.015	--	--	--	--	<0.03
Arsenic	0.0176	0.0459	--	--	<0.025	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Barium	1.36	1.99	--	--	0.684	--	--	--	--	0.576	0.68	--	--	--	--	0.714
Beryllium	0.0015 B	0.0037 B	--	--	<0.005	--	--	--	--	<0.003	<0.003	--	--	--	--	<0.003
Boron	0.332	0.41	--	--	0.55	--	--	--	--	0.65	0.588	--	--	--	--	<0.5
Cadmium	0.00047 B	0.002 B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	234	271	171	165	150	148	149	140	135	131	148	139	150	162	140	150
Chromium	0.0556	0.146	--	--	<0.005	--	--	--	--	<0.005	0.00667	--	--	--	--	<0.01
Chromium, Hex	--	--	--	--	<0.02	--	--	--	--	<0.01	<0.05	--	--	--	--	<0.01
Cobalt	0.0311	0.0791	--	--	<0.015	--	--	--	--	<0.02	<0.02	--	--	--	--	<0.02
Copper	0.0637	0.129	--	--	0.013	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Iron	65.9	174	14.5	1.33	0.722	2.78	1.68	1.52	9.97	3.65	1.68	1.99	0.342	1.16	0.322	10.1
Lead	0.0251	0.0585	0.0175	0.009	0.006	<0.005	<0.003	<0.003	0.00656	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Magnesium	67	88.3	48.6	45.5	38	38	38.4	36.4	35	32.1	38.4	38.5	39.5	39.8	35.8	38.7
Manganese	5.87	9.55	6.08	5.69	4.4	4.85	4.51	4.18	3.98	3.47	4.17	4.34	4.82	4.57	4.31	4.21
Mercury	<0.0001	<0.0001	--	--	<0.0004	--	--	--	--	<0.0002	<0.0002	--	--	--	--	<0.0002
Nickel	0.0783	0.192	--	--	0.013	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Potassium	10.4	13.5	3.06	1.91	1.81	2.03	2.03	1.95	2.87	<1	1.85	1.98	1.82	2.41	1.62	3.58
Sodium	118	113	134	129	124	128	112	104	95.8	95.2	104	99.6	113	116	97	103
Selenium	0.0041 B	0.0047 B	--	--	<0.02	--	--	--	--	<0.005	<0.005	--	--	--	--	<0.005
Silver	<0.0009	<0.0009	--	--	<0.015	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Thallium	<0.0026	<0.0026	--	--	<0.03	--	--	--	--	<0.01	<0.01	--	--	--	--	<0.01
Vanadium	0.0487 B	0.127	--	--	<0.015	--	--	--	--	<0.03	<0.03	--	--	--	--	<0.03
Zinc	0.2	0.408	--	--	<0.01	--	--	--	--	0.0263	0.0102	--	--	--	--	0.0297

All units in mg/l

Historical Water Quality Database - Towslee Landfill
MW-1A Dissolved Metals

Parameter	Aug-97	Oct-97	3/22/06	5/31/06	8/9/06	3/20/07
Aluminum	0.0163 B	0.0407 B	--	--	0.066	--
Antimony	--	--	--	--	<0.05	--
Arsenic	<0.0024	<0.0024	--	--	<0.025	--
Barium	0.137 B	0.068 B	--	--	0.066	--
Beryllium	<0.0001	<0.0001	--	--	<0.005	--
Boron	0.0631 B	0.0561 B	--	--	<0.07	--
Cadmium	<0.0003	<0.0003	<0.005	<0.005	<0.005	<0.005
Calcium	67.6	40.3	40.7	38.9	38.6	40.3
Chromium	<0.0004	<0.0004	--	--	<0.005	--
Chrom, Hex	--	--	--	--	--	--
Cobalt	<0.0011	<0.0011	--	--	<0.015	--
Copper	0.0008 B	<0.0007	--	--	0.013	--
Iron	0.0348 B	0.0471 B	13.5	0.315	0.125	<0.06
Lead	0.0052	<0.001	<0.005	0.005	<0.005	<0.003
Magnesium	15.4	8.69	10.4	8.12	8.18	8.83
Manganese	0.22	0.174	0.238	0.127	0.248	<0.01
Mercury	0.0014	<0.0001	--	--	<0.0004	--
Nickel	<0.0013	<0.0013	--	--	<0.01	--
Potassium	10.6	4.92 B	2.52	1.38	1.31	1.72
Sodium	59.3	27.1	14.7	12.3	13	12.3
Selenium	--	--	--	--	<0.02	--
Silver	--	--	--	--	<0.015	--
Thallium	<0.0026	<0.0026	--	--	<0.03	--
Vanadium	<0.0012	<0.0012	--	--	<0.015	--
Zinc	0.12	0.0161 B	--	--	0.033	--

All units are mg/l

Historical Water Quality Database - Towslee Landfill MW-1B Dissolved Metals

Parameter	Aug-97	Oct-97	3/22/06	8/9/06	3/20/07
Aluminum	0.0146 B	0.0209 B	--	0.195	--
Antimony	<0.003	<0.003	--	<0.05	--
Arsenic	<0.0024	<0.0024	--	<0.025	--
Barium	0.151 B	0.155 B	--	0.162	--
Beryllium	<0.0001	<0.0001	--	<0.005	--
Boron	0.0195 B	0.0162 B	--	<0.07	--
Cadmium	<0.0003	<0.0003	<0.005	<0.005	<0.005
Calcium	24.8	24.5	22.8	24.4	24.5
Chromium	0.0008 B	0.00073 B	--	<0.005	--
Chrom, Hex	--	--	--	--	--
Cobalt	<0.0011	<0.0011	--	<0.015	--
Copper	<0.0007	<0.0007	--	0.013	--
Iron	0.0172 B	0.0141 B	0.339	0.339	<0.06
Lead	--	--	<0.005	<0.005	<0.003
Magnesium	6.62	5.88	5.15	5.54	5.88
Manganese	0.141	0.134	0.0136	0.135	<0.01
Mercury	--	--	--	<0.0004	--
Nickel	<0.0013	<0.0013	--	<0.01	--
Potassium	1.63 B	0.514 B	0.487	0.403	<1
Sodium	7.53	6.59	4.75	5.31	5.73
Selenium	--	--	--	<0.02	--
Silver	--	--	--	<0.015	--
Thallium	--	--	--	<0.03	--
Vanadium	--	--	--	<0.015	--
Zinc	0.0396	0.0152 B	--	0.029	--

All units are mg/l

Historical Water Quality Database - Towslee Landfill MW-2A Dissolved Metals

Parameter	Aug-97	Oct-97	8/9/06
Aluminum	<0.0083	0.0482 B	0.044
Antimony	--	--	<0.05
Arsenic	0.0123	0.0139	<0.025
Barium	0.787	0.786	0.427
Beryllium	0.00017 B	0.0001 B	<0.005
Boron	1.21	0.992	0.562
Cadmium	0.00053 B	<0.0003	<0.005
Calcium	183	183	77.6
Chromium	0.0035 B	0.0057 B	<0.005
Chrom, Hex	--	--	--
Cobalt	0.0107 B	0.0095 B	<0.015
Copper	0.0162 B	<0.0007	0.015
Iron	5.4	11.5	0.204
Lead	<0.001	0.0011 B	<0.005
Magnesium	41	38.5	17.1
Manganese	30.4	30.9	12.1
Mercury	<0.0001	<0.0001	<0.0004
Nickel	0.0179 B	0.0162 B	<0.01
Potassium	17.5	14.2	12.5
Sodium	121	115	29.6
Selenium	--	--	<0.02
Silver	--	--	<0.015
Thallium	0.003 B	<0.0026	<0.03
Vanadium	<0.0012	<0.0012	<0.015
Zinc	0.117	0.0207	0.013

All units are mg/l

Historical Water Quality Database - Towslee Landfill MW-2B Dissolved Metals

Parameter	Aug-97	Oct-97
Aluminum	0.0179 B	0.0154 B
Antimony	<0.003	<0.003
Arsenic	0.0036 B	<0.0024
Barium	1.55	1.45
Beryllium	<0.0001	<0.0001
Boron	0.334	0.321
Cadmium	<0.0003	<0.0003
Calcium	281	274
Chromium	0.0009 B	0.0014 B
Chrom, Hex	--	--
Cobalt	0.0067 B	0.0061 B
Copper	0.0022 B	<0.0007
Iron	0.582	0.595
Lead	--	--
Magnesium	61.7	55
Manganese	8.07	8
Mercury	--	--
Nickel	0.0093 B	0.0097 B
Potassium	2.8 B	2.34 B
Sodium	62.5	62.8
Selenium	--	--
Silver	--	--
Thallium	--	--
Vanadium	--	--
Zinc	0.0635	0.023

All units are mg/l

Historical Water Quality Database - Towslee Landfill
MW-3A Dissolved Metals

Parameter	Aug-97	Oct-97	3/22/06
Aluminum	<0.0083	0.0158	--
Antimony	0.0038 B	<0.003	--
Arsenic	<0.0024	<0.0024	--
Barium	0.242	0.276	--
Beryllium	<0.0001	<0.0001	--
Boron	0.0324 B	0.0275 B	--
Cadmium	<0.0003	<0.0003	<0.005
Calcium	57.9	54.6	44.3
Chromium	<0.0004	<0.0004	--
Chrom, Hex	--	--	--
Cobalt	<0.0011	<0.0011	--
Copper	0.0024 B	0.00083 B	--
Iron	0.0061 B	0.0114 B	0.168
Lead	--	--	<0.005
Magnesium	12.9	10.9	8.7
Manganese	0.123	0.0941	0.0963
Mercury	--	--	--
Nickel	<0.0013	0.0017 B	--
Potassium	2.75 B	1.42 B	0.803
Sodium	10.2	7.98	4.83
Selenium	--	--	--
Silver	--	--	--
Thallium	--	--	--
Vanadium	--	--	--
Zinc	0.0249	0.0387	--

All units are mg/l

Historical Water Quality Database - Towslee Landfill MW-6B Dissolved Metals

Parameter	Aug-97	Oct-97	3/20/07
Aluminum	<0.0083	0.0132 B	--
Antimony	<0.003	<0.003	--
Arsenic	0.0048 B	0.0073 B	--
Barium	0.396	0.478	--
Beryllium	<0.0001	<0.0001	--
Boron	0.125	0.14	--
Cadmium	<0.0003	<0.0003	<0.005
Calcium	67.7	56.3	45.6
Chromium	<0.0004	0.00087 B	--
Chrom, Hex	--	--	--
Cobalt	0.0052 B	0.0041 B	--
Copper	0.0011 B	<0.0007	--
Iron	0.346	1.42	<0.06
Lead	--	--	<0.003
Magnesium	17.3	12.9	10.6
Manganese	3.3	3.99	0.137
Mercury	--	--	--
Nickel	0.0046 B	0.0048 B	--
Potassium	2.97 B	2.77 B	1.19
Sodium	38.2	33.3	12.1
Selenium	--	--	--
Silver	--	--	--
Thallium	--	--	--
Vanadium	--	--	--
Zinc	0.0651	0.0207	--

All units are mg/l

Historical Water Quality Database - Towslee Landfill MW-7A Dissolved Metals

Parameter	Aug-97	Oct-97	3/22/06	6/17/09
Aluminum	<0.0083	0.0755 B	--	<0.1
Antimony	--	--	--	<0.03
Arsenic	<0.0024	<0.0024	--	<0.01
Barium	0.822	0.887	--	0.599
Beryllium	0.0001 B	<0.0001	--	<0.003
Boron	0.331	0.396	--	--
Cadmium	0.0003 B	<0.0003	<0.005	<0.005
Calcium	220	255	158	140
Chromium	0.0008 B	0.0011 B	--	<0.01
Chrom, Hex	--	--	--	--
Cobalt	0.0017 B	0.0031 B	--	<0.02
Copper	0.0086 B	<0.0007	--	<0.01
Iron	0.009 B	0.753	0.0637	<0.06
Lead	<0.001	<0.001	<0.005	<0.003
Magnesium	56.2	59.9	43.6	34.1
Manganese	4.53	7.12	5.35	3.78
Mercury	<0.0001	<0.0001	--	<0.0002
Nickel	0.0129 B	0.0196 B	--	<0.03
Potassium	5.28	3.98 B	1.9	1.82
Sodium	120	129	126	97.2
Selenium	--	--	--	<0.005
Silver	--	--	--	<0.01
Thallium	<0.0026	<0.0026	--	<0.01
Vanadium	<0.0012	<0.0012	--	<0.03
Zinc	0.0455	0.0186	--	0.0228

All units are mg/l

Historical Water Quality Database - Towslee Landfill
Organics (includes only compounds detected)
Well MW-1A - Overburden

Parameter	TYPE	Aug-97	Oct-97	8/9/06	10/9/07	6/17/09
Vinyl Chloride	VOC	<10	<10	<5	<5	< 5
Chloroethane	VOC	<10	<10	<5	<5	< 5
Acetone	VOC	10	<10	<25	<10	< 10
Methylene Chloride	VOC	<10	<10	<5	<5	< 5
trans-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	< 5
cis-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	< 5
1,1-Dichloroethane	VOC	<10	<10	<5	<5	< 5
Benzene	VOC	<10	<10	<5	<5	< 5
Toluene	VOC	<10	<10	<5	<5	< 5
Chlorobenzene	VOC	<10	<10	<5	<5	< 5
Ethylbenzene	VOC	<10	<10	<5	<5	< 5
Xylenes(total)	VOC	<10	<10	<10	<5	< 5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5	< 5
Diethylphthalate	SVOC	<10	<10	NA	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	NA	NA	NA

All units are ug/l

J - estimated

B - analyte also detected in blank

(1) 1997 results are for total 1,2-DCE - total has been applied to each compound

NA - not analyzed

Historical Water Quality Database - Towslee Landfill
Organics (includes only compounds detected)
Well MW-1B - Bedrock

Parameter	TYPE	Aug-97	Oct-97	8/9/06	10/9/07	2/1/08	6/17/09
Vinyl Chloride	VOC	<10	<10	<5	<5	<5	< 5
Chloroethane	VOC	<10	<10	<5	<5	<5	< 5
Acetone	VOC	<10	<10	<25	<10	<10	< 10
Methylene Chloride	VOC	<10	<10	<5	<5	13 B	< 5
trans-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	<5	< 5
cis-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	<5	< 5
1,1-Dichloroethane	VOC	<10	<10	<5	<5	<5	< 5
Benzene	VOC	<10	<10	<5	<5	<5	< 5
Toluene	VOC	<10	<10	<5	<5	<5	< 5
Chlorobenzene	VOC	<10	<10	<5	<5	<5	< 5
Ethylbenzene	VOC	<10	<10	<5	<5	<5	< 5
Xylenes(total)	VOC	<10	<10	<10	<5	<5	< 5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5	<5	< 5
Diethylphthalate	SVOC	<10	<10	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	NA	NA	NA	NA

All units are ug/l

J - estimated

B - analyte also detected in blank

(1) 1997 results are for total 1,2-DCE - total has been applied to each compound

NA - not analyzed

Historical Water Quality Database - Towslee Landfill
Organics (includes only compounds detected)
Well MW-2A - Overburden

Parameter	TYPE	Aug-97	Oct-97	8/9/06	10/9/07	2/1/08	6/17/09
Vinyl Chloride	VOC	<10	<10	<5	<5	<5	< 5
Chloroethane	VOC	5 J	4 J	<5	<5	<5	< 5
Acetone	VOC	<10	<10	<25	<10	<10	< 10
Methylene Chloride	VOC	1 JB	<10	<5	<5	12 B	< 5
trans-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	<5	< 5
cis-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	<5	< 5
1,1-Dichloroethane	VOC	<10	<10	<5	<5	<5	< 5
Benzene	VOC	5 J	6 J	<5	<5	<5	< 5
Toluene	VOC	1 J	<10	<5	<5	<5	< 5
Chlorobenzene	VOC	5 J	<10	<5	4 J	<5	3 J
Ethylbenzene	VOC	2 J	<10	<5	<5	<5	< 5
Xylenes(total)	VOC	5 J	<10	<10	<5	<5	< 5
1,4-Dichlorobenzene	SVOC	1 J	2 J	<5	<5	<5	< 5
Diethylphthalate	SVOC	<10	1 J	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	NA	NA	NA	NA

All units are ug/l

J - estimated

B - analyte also detected in blank

(1) 1997 results are for total 1,2-DCE - total has been applied to each compound

NA - not analyzed

Historical Water Quality Database - Towslee Landfill
Organics (includes only compounds detected)
Well MW-2B - Bedrock

Parameter	TYPE	Aug-97	Oct-97	8/9/06	10/9/07	2/1/08	6/17/09
Vinyl Chloride	VOC	<10	<10	<5	5.8	<5	12
Chloroethane	VOC	4 J	3 J	<5	4 J	<5	5.9
Acetone	VOC	<10	<10	<25	<10	<10	< 10
Methylene Chloride	VOC	1 JB	<10	<5	<5	11 B	< 5
trans-1,2-Dichloroethene (1)	VOC	1 J	<10	<5	<5	<5	< 5
cis-1,2-Dichloroethene (1)	VOC	1 J	<10	6.2	9.2	9.4	19
1,1-Dichloroethane	VOC	1 J	1 J	<5	<5	<5	< 5
Benzene	VOC	<10	2 J	<5	<5	<5	< 5
Toluene	VOC	<10	<10	<5	<5	<5	< 5
Chlorobenzene	VOC	<10	1 J	<5	<5	<5	< 5
Ethylbenzene	VOC	<10	<10	<5	<5	<5	< 5
Xylenes(total)	VOC	<10	<10	<10	<5	<5	< 5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5	<5	< 5
Diethylphthalate	SVOC	<10	<10	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	1 JB	NA	NA	NA	NA

All units are ug/l

J - estimated

B - analyte also detected in blank

(1) 1997 results are for total 1,2-DCE - total has been applied to each compound

NA - not analyzed

Historical Water Quality Database - Towslee Landfill
Organics (includes only compounds detected)
Well MW-3A - Bedrock

Parameter	TYPE	Aug-97	Oct-97	8/9/06	10/9/07	2/1/08	6/17/09
Vinyl Chloride	VOC	<10	<10	<5	<5	<5	< 5
Chloroethane	VOC	<10	<10	<5	<5	<5	< 5
Acetone	VOC	2 J	<10	<25	<10	<10	24
Methylene Chloride	VOC	5 JB	<10	<5	<5	11 B	< 5
trans-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	<5	< 5
cis-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	<5	< 5
1,1-Dichloroethane	VOC	<10	<10	<5	<5	<5	< 5
Benzene	VOC	<10	<10	<5	<5	<5	< 5
Toluene	VOC	<10	<10	<5	<5	<5	82
Chlorobenzene	VOC	<10	<10	<5	<5	<5	< 5
Ethylbenzene	VOC	<10	<10	<5	<5	<5	< 5
Xylenes(total)	VOC	<10	<10	<10	<5	<5	< 5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5	<5	< 5
Diethylphthalate	SVOC	<10	<10	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	NA	NA	NA	NA

All units are ug/l

J - estimated

B - analyte also detected in blank

(1) 1997 results are for total 1,2-DCE - total has been applied to each compound

NA - not analyzed

Historical Water Quality Database - Towslee Landfill
Organics (includes only compounds detected)
Well MW-6B - Bedrock

Parameter	TYPE	Aug-97	Oct-97	8/9/06	10/9/07	2/1/08	6/17/09
Vinyl Chloride	VOC	<10	<10	<5	<5	<5	< 5
Chloroethane	VOC	<10	<10	<5	<5	<5	< 5
Acetone	VOC	<10	<10	<25	<10	<10	< 10
Methylene Chloride	VOC	<10	<10	<5	<5	12 B	< 5
trans-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	<5	< 5
cis-1,2-Dichloroethene (1)	VOC	<10	<10	<5	<5	<5	< 5
1,1-Dichloroethane	VOC	<10	<10	<5	<5	<5	< 5
Benzene	VOC	<10	<10	<5	<5	<5	< 5
Toluene	VOC	<10	<10	<5	<5	<5	< 5
Chlorobenzene	VOC	<10	<10	<5	<5	<5	< 5
Ethylbenzene	VOC	<10	<10	<5	<5	<5	< 5
Xylenes(total)	VOC	<10	<10	<10	<5	<5	< 5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5	<5	< 5
Diethylphthalate	SVOC	<10	<10	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	NA	NA	NA	NA

All units are ug/l

J - estimated

B - analyte also detected in blank

(1) 1997 results are for total 1,2-DCE - total has been applied to each compound

NA - not analyzed

Historical Water Quality Database - Towslee Landfill
Organics (includes only compounds detected)
Well MW-7A - Overburden

Parameter	TYPE	Aug-97	Oct-97	8/9/06	10/9/07	2/1/08	6/17/09
Vinyl Chloride	VOC	2 J	5 J	<5	4 J	8.2	5.7
Chloroethane	VOC	<10	1 J	<5	<5	<5	< 5
Acetone	VOC	<10	<10	<25	<10	<10	< 10
Methylene Chloride	VOC	1 JB	<10	<5	<5	<5	< 5
trans-1,2-Dichloroethene (1)	VOC	1 J	2 J	<5	<5	<5	< 5
cis-1,2-Dichloroethene (1)	VOC	1 J	2 J	7.1	6.1	9	5.4
1,1-Dichloroethane	VOC	3 J	4 J	6.1	5 J	7.9	5 J
Benzene	VOC	<10	<10	<5	<5	<5	< 5
Toluene	VOC	<10	<10	<5	<5	<5	< 5
Chlorobenzene	VOC	<10	<10	<5	<5	<5	< 5
Ethylbenzene	VOC	<10	<10	<5	<5	<5	< 5
Xylenes(total)	VOC	<10	<10	<10	<5	<5	< 5
1,4-Dichlorobenzene	SVOC	<10	<10	<5	<5	<5	< 5
Diethylphthalate	SVOC	<10	<10	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	SVOC	<10	<10	NA	NA	NA	NA

All units are ug/l

J - estimated

B - analyte also detected in blank

(1) 1997 results are for total 1,2-DCE - total has been applied to each compound

NA - not analyzed