APPENDIX E – RAW ANALYTICAL LABORATORY DATA (FORM 1)

ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2 1.0



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Sample ID: LDW-PW-B-PE-09 SAMPLE

Lab Sample ID: 11780 LIMS ID: 05-12798 Matrix: Water Data Release Authorized: Reported: 08/15/05 Ø

QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/10/05 17:32

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result Q
74-87-3	Chloromethane	0.2	< 0.2 U
74-83-9	Bromomethane	0.2	< 0.2 U
75-01-4	Vinyl Chloride	0.2	< 0.2 U
75-00-3	Chloroethane	0.2	< 0.2 U
75-09-2	Methylene Chloride	0.3	< 0.3 U
67-64-1	Acetone	1.0	20
75-15-0	Carbon Disulfide	0.2	< 0.2 U
75-35-4	1,1-Dichloroethene	0.2	< 0.2 U
75-34-3	1,1-Dichloroethane	0.2	< 0.2 U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2 U
156-59-2	cis-1,2-Dichloroethene	0.2	0.4
67-66-3	Chloroform	0.2	< 0.2 U
107-06-2	1,2-Dichloroethane	0.2	=
78-93-3	2-Butanone	1.0	< 0.2 U
71-55-6	1,1,1-Trichloroethane	0.2	< 1.0 U
56-23-5	Carbon Tetrachloride		< 0.2 U
108-05-4	Vinyl Acetate	0.2	< 0.2 U
75-27-4	Bromodichloromethane	0.2	< 0.2 U
78-87-5	1,2-Dichloropropane	0.2	< 0.2 U
10061-01-5	cis-1,3-Dichloropropene	0.2 0.2	< 0.2 U
79-01-6	Trichloroethene		< 0.2 U
124-48-1	Dibromochloromethane	0.2	< 0.2 U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2 U
71-43-2	Benzene	0.2	< 0.2 U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2 U
110-75-8	2-Chloroethylvinylether	0.2	< 0.2 U
75-25-2	Bromoform	0.5	< 0.5 Ŭ
108-10-1	4-Methyl-2-Pentanone (MIBK)	0.2	< 0.2 U
591-78-6	2-Hexanone	1.0	< 1.0 U
127-18-4	Tetrachloroethene	1.0	< 1.0 U
79-34-5		0.2	<0.2 U
108-88-3	1,1,2,2-Tetrachloroethane Toluene	0.2	< 0.2 U
108-90-7		0.2	< 0.2 Ŭ
	Chlorobenzene	0.2	< 0.2 U
100-41-4	Ethylbenzene	0.2	< 0.2 U
100-42-5	Styrene	0.2	< 0.2 U
75-69-4	Trichlorofluoromethane	0.2	< 0.2 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2 U
1330-20-7	m,p-Xylene	0.4	< 0.4 U
95-47-6	o-Xylene	0.2	< 0.2 U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2 U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2 U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2 U
107-02-8	Acrolein	5.0	< 5.0 U
74-88-4	Methyl Iodide	0.2	< 0.2 U
74-96-4	Bromoethane	0.2	< 0.2 U
107-13-1	Acrylonitrile	1.0	< 1.0 U
563-58-6	1,1-Dichloropropene	0.2	< 0.2 U
74-95-3	Dibromomethane	0.2	< 0.2 U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2 U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0 U
96-18-4	1,2,3-Trichloropropane	0.5	
	FORM I		< 0.5 00005



ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 2 of 2

Sample ID: LDW-PW-B-PE-09 SAMPLE

Lab Sample ID: II78Q LIMS ID: 05-12798 Matrix: Water Date Analyzed: 08/10/05 17:32

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QC Report No: 1178-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	Ū
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	Ŭ
87-68-3	Hexachlorobutadiene	0.5	< 0.5	Ũ
106-93-4	Ethylene Dibromide	0.2	< 0.2	Ū
74-97-5	Bromochloromethane	0.2	< 0.2	Ū
594-20-7	2,2-Dichloropropane	0.2	< 0.2	Ū
142-28-9	1,3-Dichloropropane	0.2	< 0.2	Ū
98-82-8	Isopropylbenzene	0.2	< 0.2	Ū
103-65-1	n-Propylbenzene	0.2	< 0.2	Ŭ
108-86-1	Bromobenzene	0.2	< 0.2	Ũ
95-49-8	2-Chlorotoluene	0.2	< 0.2	Ũ
106-43-4	4-Chlorotoluene	0.2	< 0.2	Ū
98-06-6	tert-Butylbenzene	0.2	< 0.2	บ
135-98-8	sec-Butylbenzene	0.2	< 0.2	Ū
99-87-6	4-Isopropyltoluene	0.2	< 0.2	Ū
L04-51-8	n-Butylbenzene	0.2	< 0.2	υ
l20-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	Ū
91-20-3	Naphthalene	0.5	< 0.5	Ū
37-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

FORM I

d4-1,2-Dichloroethane	104%
d8-Toluene	100%
Bromofluorobenzene	90.2%
d4-1,2-Dichlorobenzene	102%

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Sample ID: LDW-PW-B-PE-10 SAMPLE

Lab Sample ID: 1178D LIMS ID: 05-12785 Matrix: Water Data Release Authorized: Reported: 08/15/05 QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/08/05 21:10

Sample	Amount:	20.0	աՆ	
-	Volume:			

CAS Number	Analyte	RL	Result Q
74-87-3	Chloromethane	0.2	< 0.2 U
74-83-9	Bromomethane	0.2	< 0.2 U
75-01-4	Vinyl Chloride	0.2	< 0.2 U
75-00-3	Chloroethane	0.2	< 0.2 U
75-09-2	Methylene Chloride	0.3	< 0.3 U
67-64-1	Acetone	1.0	9.3
75-15-0	Carbon Disulfide	0.2	< 0.2 U
75-35-4	1,1-Dichloroethene	0.2	< 0.2 U
75-34-3	1,1-Dichloroethane	0.2	< 0.2 U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2 Ū
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2 U
67-66-3	Chloroform	0.2	< 0.2 U
107-06-2	1,2-Dichloroethane	0.2	< 0.2 U
78-93-3	2-Butanone	1.0	< 1.0 U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2 U
56-23-5	Carbon Tetrachloride	0.2	< 0.2 U
108-05-4	Vinyl Acetate	0.2	< 0.2 U
75-27-4	Bromodichloromethane	0.2	< 0.2 U
78-87-5	1,2-Dichloropropane	0.2	
10061-01-5	cis-1,3-Dichloropropene		< 0.2 U
79-01-6	Trichloroethene	0.2	< 0.2 U
124-48-1	Dibromochloromethane	0.2	< 0.2 U
79-00-5		0.2	< 0.2 U
71-43-2	1,1,2-Trichloroethane	0.2	< 0.2 U
10061-02-6	Benzene	0.2	< 0.2 U
110-75-8	trans-1,3-Dichloropropene	0.2	< 0.2 U
75-25-2	2-Chloroethylvinylether Bromoform	0.5	< 0.5 U
108-10-1	4-Methyl-2-Pentanone (MIBK)	0.2	< 0.2 U
591-78-6	2-Hexanone	1.0	< 1.0 U
127-18-4	Tetrachloroethene	1.0	< 1.0 U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2 U
108-88-3	Toluene	0.2	< 0.2 U
		0.2	< 0.2 U
108-90-7	Chlorobenzene	0.2	< 0.2 U
100-41-4	Ethylbenzene	0.2	< 0.2 U
100-42-5	Styrene	0.2	< 0.2 U
75-69-4	Trichlorofluoromethane	0.2	< 0.2 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe		< 0.2 U
1330-20-7	m,p-Xylene	0.4	< 0.4 U
95-47-6	o-Xylene	0.2	< 0.2 U
95-50-1	1,2-Dichlorobenzene	0.2	< 0,2 U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2 Ű
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2 U
107-02-8	Acrolein	5.0	< 5.0 U
74-88-4	Methyl Iodide	0.2	< 0.2 U
74-96-4	Bromoethane	0.2	< 0.2 Ŭ
107-13-1	Acrylonitrile	1.0	< 1.0 U
563-58-6	1,1-Dichloropropene	0.2	< 0.2 U
74-95-3	Dibromomethane	0.2	< 0.2 U
530-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2 U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0 U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5 U



Sample ID: LDW-PW-B-PE-10 SAMPLE

Lab Sample ID: II78D LIMS ID: 05-12785 Matrix: Water Date Analyzed: 08/08/05 21:10

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QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	υ
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	ប
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	ប
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	υ
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	υ
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	υ·
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	118%
d8-Toluene	103%
Bromofluorobenzene	91.8%
d4-1,2-Dichlorobenzene	103%



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Sample ID: LDW-PW-B-PE-11 SAMPLE

Lab Sample ID: II78R LIMS ID: 05-12799 Matrix: Water Data Release Authorized: Reported: 08/15/05

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Instrument/Analyst: FINN1/PAB Date Analyzed: 08/09/05 20:31

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QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	13	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	Ū
67-64-1	Acetone	1.0	3.7	
75~15-0	Carbon Disulfide	0.2	< 0.2	υ
75-35-4	1,1-Dichloroethene	0.2	< 0.2	Ŭ
75-34-3	1,1-Dichloroethane	0.2	< 0.2	Ū
156~60-5	trans-1,2-Dichloroethene	0.2	< 0.2	Ū
156-59-2	cis-1,2-Dichloroethene	0.2	1.7	÷.
67-66-3	Chloroform	0.2	< 0.2	υ
107-06-2	1,2-Dichloroethane	0.2	< 0.2	Ŭ
78-93-3	2-Butanone	1.0	< 1.0	υ
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	Ŭ
56-23-5	Carbon Tetrachloride	0.2	< 0.2	ΰ
108-05-4	Vinyl Acetate	0.2	< 0.2	υ
75-27-4	Bromodichloromethane	0.2	< 0.2	Ŭ
78-87-5	1,2-Dichloropropane	0.2	< 0.2	Ŭ
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	Ū
79-01-6	Trichloroethene	0.2	0.2	Q
124-48-1	Dibromochloromethane	0.2	< 0.2	σ
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	Ŭ
71-43-2	Benzene	0.2	0.4	v
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	ប
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
75-25-2	Bromoform	0.2	< 0.2	Ũ
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	υ
591-78-6	2-Hexanone	1.0	< 1.0	υ
127-18-4	Tetrachloroethene	0.2	< 0.2	Ŭ
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	Ŭ
108-88-3	Toluene	0.2	< 0.2	Ū
108-90-7	Chlorobenzene	0.2	< 0.2	υ
100-41-4	Ethylbenzene	0.2	< 0.2	ប
100-42-5	Styrene	0.2	< 0.2	Ū
75-69-4	Trichlorofluoromethane	0.2	< 0.2	Ŭ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe		< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	ប័
95-47-6	o-Xylêne	0.2	< 0.2	ບັ
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	ΰ
541-73-1	1,3~Dichlorobenzene	0.2	< 0.2	Ū
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	Ū
107-02-8	Acrolein	5.0	< 5.0	=
74-88-4	Methyl Iodide	0.2	< 0.2	ບັ
74-96-4	Bromoethane	0.2	< 0.2	Ū
107-13-1	Acrylonitrile	1.0	< 1.0	Ū
563-58-6	1,1-Dichloropropene	0.2	< 0.2	Ū
74-95-3	Dibromomethane	0.2	< 0.2	ប
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	Ū
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	ប
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	40005

FORM I

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Sample ID: LDW-PW-B-PE-11 SAMPLE

Result Q

Lab Sample ID: II78R LIMS ID: 05-12799 Matrix: Water Date Analyzed: 08/09/05 20:31

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QC Report No: II78-Windward Environmental Project: LDW

RL

CAS Number	: Analyte

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110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	Ū
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	Ū
87-68-3	Hexachlorobutadiene	0.5	< 0.5	Ū
106-93-4	Ethylene Dibromide	0.2	< 0.2	Ū
74-97-5	Bromochloromethane	0.2	< 0.2	υ
594-20-7	2,2-Dichloropropane	0.2	< 0.2	Ū
142-28-9	1,3-Dichloropropane	0.2	< 0.2	Ū
98-82-8	Isopropylbenzene	0.2	< 0.2	Ū
103-65-1	n-Propylbenzene	0.2	< 0.2	Ū
108-86-1	Bromobenzene	0.2	< 0.2	Ū
95-49-8	2-Chlorotoluene	0.2	< 0.2	Ū
106-43-4	4-Chlorotoluene	0.2	< 0.2	Ū
98-06-6	tert-Butylbenzene	0.2	< 0.2	Ū
135-98-8	sec-Butylbenzene	0.2	< 0.2	Ū
9-87-6	4-Isopropyltoluene	0.2	< 0.2	Ū
L04-51-8	n-Butylbenzene	0.2	< 0.2	Ū
L20-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	Ū

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	105%
d8-Toluene	97.0%
Bromofluorobenzene	87.0%
d4-1,2-Dichlorobenzene	99.8%



ANALYTICAL RESOURCES

ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-B-PE-12 SAMPLE

Lab Sample ID: II78A LIMS ID: 05-12782 Matrix: Water Data Release Authorized: Reported: 08/15/05 QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/08/05 19:41 Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result Q
74-87-3	Chloromethane	0.2	< 0.2 Ŭ
74-83-9	Bromomethane	0.2	< 0.2 U
75-01-4	Vinyl Chloride	0.2	< 0.2 U
75-00-3	Chloroethane	0.2	< 0.2 U
75-09-2	Methylene Chloride	0.3	< 0.3 U
67-64-1	Acetone	1.0	60
75-15-0	Carbon Disulfide	0.2	< 0.2 U
75-35-4	1,1-Dichloroethene	0.2	< 0.2 U
75-34-3	1,1-Dichloroethane	0.2	< 0.2 U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2 U
156-59-2	cis-1,2-Dichloroethene	0.2	0.9
67-66-3	Chloroform	0.2	< 0.2 U
107-06-2	1,2-Dichloroethane	0.2	< 0.2 U
78-93-3	2-Butanone	1.0	< 1.0 U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2 U
56-23-5	Carbon Tetrachloride	0.2	< 0.2 U
108-05-4	Vinyl Acetate	0.2	< 0.2 U
75-27-4	Bromodichloromethane	0.2	< 0.2 U
78-87-5	1,2-Dichloropropane	0.2	< 0.2 Ŭ
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2 U
79-01-6	Trichloroethene	0.2	< 0.2 U < 0.2 U
124-48-1	Dibromochloromethane	0.2	< 0.2 U < 0.2 U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2 U
71-43-2	Benzene	0.2	< 0.2 U
10061-02-6	trans-1,3-Dichloropropene	0.2	
110-75-8	2-Chloroethylvinylether	0.2	< 0.2 U < 0.5 U
75-25-2	Bromoform	0.3	< 0.5 U < 0.2 U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0 Ŭ
591-78-6	2-Hexanone	1.0	< 1.0 U
127-18-4	Tetrachloroethene	0.2	< 0.2 Ŭ
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2 U
108-88-3	Toluene	0.2	< 0.2 U
108-90-7	Chlorobenzene	0.2	< 0.2 U
100-41-4	Ethylbenzene	0.2	< 0.2 U
100-42-5	Styrene	0.2	< 0.2 U
75-69-4	Trichlorofluoromethane	0.2	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe		
1330-20-7	m,p-Xylene		< 0.2 U
95-47-6	o-Xylene	0.4	< 0.4 U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2 Ŭ
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2 U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2 Ŭ
107-02-8	Acrolein	0.2	< 0.2 U
		5.0	< 5.0 Ŭ
74-88-4 74-96-4	Methyl Iodide Bromoethane	0.2	< 0.2 U
107-13-1	Acrylonitrile	0.2	< 0.2 U
563-58-6		1.0	< 1.0 Ŭ
74-95-3	1,1-Dichloropropene Dibromomethane	0.2	< 0.2 U
630-20-6		0.2	< 0.2 U
	1,1,1,2-Tetrachloroethane	0.2	< 0.2 U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0 U < 0.5 090008
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5 080008



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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 2 of 2

Sample ID: LDW-PW-B-PE-12 SAMPLE

Lab Sample ID: II78A LIMS ID: 05-12782 Matrix: Water Date Analyzed: 08/08/05 19:41

LDWG Porevoter DR - Appendiz E

QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	Ŭ
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	ប
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	Ū
108-86-1	Bromobenzene	0.2	< 0.2	Ū
95-49-8	2-Chlorotoluene	0.2	< 0.2	Ū
106-43-4	4-Chlorotoluene	0.2	< 0.2	ΰ
98-06-6	tert-Butylbenzene	0.2	< 0.2	υ
135-98-8	sec-Butylbenzene	0.2	< 0.2	Ū
99-87-6	4-Isopropyltoluene	0.2	< 0,2	Ū
104-51-8	n-Butylbenzene	0.2	< 0.2	U
L20-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
37-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	Ū

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	113%
d8-Toluene	103%
Bromofluorobenzene	91.2%
d4-1,2-Dichlorobenzene	98.0%

FORM I

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ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

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Sample ID: LDW-PW-B-PE-13 SAMPLE

Lab Sample ID: II78S LIMS ID: 05-12800 Matrix: Water Data Release Authorized: Reported: 08/15/05 QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/09/05 21:01

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Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result Q
74-87-3	Chloromethane	0.2	< 0.2 U
74-83-9	Bromomethane	0.2	< 0.2 U
75-01-4	Vinyl Chloride	0.2	1.1
75-00-3	Chloroethane	0.2	< 0.2 U
75-09-2	Methylene Chloride	0.3	< 0.3 U
67-64-1	Acetone	1.0	4.7
75-15-0	Carbon Disulfide	0.2	< 0.2 U
75-35-4	1,1-Dichloroethene	0.2	< 0,2 U
75-34-3	1,1-Dichloroethane	0.2	< 0.2 U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2 U
156-59-2	cis-1,2-Dichlorcethene	0.2	0.5
67-66-3	Chloroform	0.2	< 0.2 U
107-06-2	1,2-Dichloroethane	0.2	< 0.2 U
78-93-3	2-Butanone	1.0	< 1.0 U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2 U
56-23-5	Carbon Tetrachloride	0.2	< 0.2 U
108-05-4	Vinyl Acetate	0.2	< 0.2 U
75-27-4	Bromodichloromethane	0.2	< 0.2 U
78-87-5	1,2-Dichloropropane	0.2	< 0.2 U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2 U
79-01-6	Trichloroethene	0.2	< 0.2 U
124-48-1	Dibromochloromethane	0.2	< 0.2 U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2 U
71-43-2	Benzene	0.2	< 0.2 U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2 U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5 Ŭ
75-25-2	Bromoform	0.2	< 0.2 U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0 U
591-78-6	2-Hexanone	1.0	< 1.0 U
127-18-4	Tetrachloroethene	0.2	< 0.2 U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2 U
108-88-3	Toluene	0.2	< 0.2 U
108-90-7	Chlorobenzene	0.2	< 0.2 U
100-41-4	Ethylbenzene	0.2	< 0.2 Ŭ
100-42-5	Styrene	0.2	< 0.2 U
75-69-4	Trichlorofluoromethane	0.2	< 0.2 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoro		< 0.2 U
1330-20-7	m,p-Xylene	0.4	< 0.4 U
95-47-6	o-Xylene	0.2	< 0.2 U
95~50-1	1,2-Dichlorobenzene	0.2	< 0.2 U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2 U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2 U
107-02-8	Acrolein	5.0	< 5.0 U
74-88-4	Methyl Iodide	0.2	< 0.2 U
74-96-4	Bromoethane	0.2	< 0.2 U
L07-13-1	Acrylonitrile	1.0	< 1.0 U
563-58-6	1,1-Dichloropropene	0.2	< 0.2 U
74-95-3	Dibromomethane	0.2	< 0.2 U
530-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2 U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0 U
6-18-4	1,2,3-Trichloropropane	0.5	< 0.5 080054
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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 2 of 2

Sample ID: LDW-PW-B-PE-13 SAMPLE

Lab Sample ID: II78S LIMS ID: 05-12800 Matrix: Water Date Analyzed: 08/09/05 21:01 QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	Ŭ
142-28-9	1,3-Dichloropropane	0.2	< 0.2	Ŭ
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	υ
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	108%
d8-Toluene	101%
Bromofluorobenzene	94.08
d4-1,2-Dichlorobenzene	99.2%



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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-B-PE-14 SAMPLE

Lab Sample ID: II78B LIMS ID: 05-12783 Matrix: Water Data Release Authorized: Reported: 08/15/05

Instrument/Analyst: FINN1/PAB

Date Analyzed: 08/08/05 20:10

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QC Report No: 1178-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result Q
74-87-3	Chloromethane	0.2	< 0.2 U
74-83-9	Bromomethane	0.2	< 0.2 U
75-01-4	Vinyl Chloride	0.2	< 0.2 U
75-00-3	Chloroethane	0.2	< 0.2 U
75-09-2	Methylene Chloride	0.3	< 0.3 U
67-64-1	Acetone	1.0	5.7
75-15-0	Carbon Disulfide	0.2	< 0.2 Ŭ
75-35-4	1,1-Dichloroethene	0.2	< 0.2 U
75-34-3	1,1-Dichloroethane	0.2	0.3
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2 U
156-59-2	cis-1,2-Dichloroethene	0.2	0.2
67-66-3	Chloroform	0.2	< 0.2 U
107-06-2	1,2-Dichloroethane	0.2	< 0.2 U
78-93-3	2-Butanone	1.0	< 1.0 U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2 U
56-23-5	Carbon Tetrachloride	0.2	< 0.2 U
108-05-4	Vinyl Acetate	0.2	< 0.2 U
75-27-4	Bromodichloromethane	0.2	< 0.2 U
78-87-5	1,2-Dichloropropane	0.2	< 0.2 U < 0.2 U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2 U
79-01-6	Trichloroethene	0.2	< 0.2 U
124-48-1	Dibromochloromethane	0.2	< 0.2 U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2 U
71-43-2	Benzene	0.2	< 0.2 U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2 U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5 U
75-25-2	Bromoform	0.2	< 0.2 U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0 U
591-78-6	2-Hexanone	1.0	< 1.0 U
127-18-4	Tetrachloroethene	0.2	< 0.2 U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2 U
108-88-3	Toluene	0.2	< 0.2 U
108-90-7	Chlorobenzene	0.2	< 0.2 U
100-41-4	Ethylbenzene	0.2	< 0.2 Ŭ
100-42-5	Styrene	0.2	< 0.2 U
75-69-4	Trichlorofluoromethane	0.2	< 0.2 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2 Ŭ
1330-20-7	m,p-Xylene	0.4	< 0.4 U
95-47-6	o-Xylene	0.2	< 0.2 U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2 U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2 U
L06-46-7	1,4-Dichlorobenzene	0.2	< 0.2 U
L07-02-8	Acrolein	5.0	< 5.0 U
74-88-4	Methyl Iodide	0.2	< 0.2 U
4-96-4	Bromoethane	0.2	< 0.2 Ŭ
07-13-1	Acrylonitrile	1.0	< 1.0 U
63-58-6		-	
102-20-0	1,1-Dichloropropene	0.2	< 0.2 U
4-95-3	1,1-Dichloropropene Dibromomethane	0.2	
		0.2	< 0.2 U
4-95-3	Dibromomethane		

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Sample ID: LDW-PW-B-PE-14 SAMPLE

Lab Sample ID: II78B LIMS ID: 05-12783 Matrix: Water Date Analyzed: 08/08/05 20:10 QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	υ
108-67~8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	Ŭ
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	υ
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	υ
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	110%
d8-Toluene	103%
Bromofluorobenzene	89.2%
d4-1,2-Dichlorobenzene	96.5%

ANALYTICAL RESOURCES

ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-B-PE-15 SAMPLE

Lab Sample ID: II78T LIMS ID: 05-12801 Matrix: Water Data Release Authorized: Reported: 08/15/05

QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/10/05 14:35 Sample Amount: 20.0 mL

Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result Q
74-87-3	Chloromethane	0.2	< 0.2 Ŭ
74-83-9	Bromomethane	0.2	< 0.2 U
75-01-4	Vinyl Chloride	0.2	< 0.2 U
75-00-3	Chloroethane	0.2	< 0.2 U
75-09-2	Methylene Chloride	0.3	< 0.3 U
67-64-1	Acetone	1.0	9.6
75-15-0	Carbon Disulfide	0.2	< 0.2 U
75-35-4	1,1-Dichloroethene	0.2	< 0.2 U
75-34-3	1,1-Dichloroethane	0.2	< 0.2 U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2 U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2 U
67-66-3	Chloroform	0.2	< 0.2 U
107-06-2	1,2-Dichloroethane	0.2	< 0.2 U
78-93-3	2-Butanone	1.0	< 1.0 U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2 U
56-23-5	Carbon Tetrachloride	0.2	< 0.2 U
108-05-4	Vinyl Acetate	0.2	< 0.2 U < 0.2 U
75-27-4	Bromodichloromethane	0.2	< 0.2 U
78-87-5	1,2-Dichloropropane	0.2	< 0.2 U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2 U
79-01-6	Trichloroethene	0.2	
124-48-1	Dibromochloromethane	0.2	
79-00-5	1,1,2-Trichloroethane	0.2	
71-43-2	Benzene		< 0.2 Ŭ
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2 U
110-75-8	2-Chloroethylvinylether	0.2	< 0.2 U
75-25-2	Bromoform	0.5	< 0.5 U
108-10-1	4-Methyl-2-Pentanone (MIBK)	0.2	< 0.2 U
591-78-6	2-Hexanone	1.0	< 1.0 U
127-18-4	Tetrachloroethene	1.0	< 1.0 U
79-34-5		0.2	< 0.2 U
	1,1,2,2-Tetrachloroethane	0.2	< 0.2 U
	Toluene	0.2	< 0.2 U
108-90-7	Chlorobenzene	0.2	< 0.2 U
100-41-4	Ethylbenzene	0.2	< 0.2 U
100-42-5	Styrene	0.2	< 0.2 Ŭ
75-69-4	Trichlorofluoromethane	0.2	< 0.2 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe		< 0.2 U
1330-20-7	m,p-Xylene	0.4	< 0.4 U
95-47-6	o-Xylene	0.2	< 0.2 U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2 U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2 U
06-46-7	1,4-Dichlorobenzene	0.2	< 0.2 U
.07-02-8	Acrolein	5.0	< 5.0 Ŭ
4-88-4	Methyl Iodide	0.2	< 0.2 U
4-96-4	Bromoethane	0.2	< 0.2 Ŭ
.07-13-1	Acrylonitrile	1.0	< 1.0 U
63-58-6	1,1-Dichloropropene	0.2	< 0.2 U
4-95-3	Dibromomethane	0.2	< 0.2 U
30-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2 Ŭ
10-20-0			
6-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0 U



Sample ID: LDW-PW-B-PE-15 SAMPLE

Lab Sample ID: II78T LIMS ID: 05-12801 Matrix: Water Date Analyzed: 08/10/05 14:35

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QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	υ
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	0.3	
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	σ
108-86-1	Bromobenzene	0.2	< 0.2	υ
95-49-8	2-Chlorotoluene	0.2	< 0.2	IJ
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	υ
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99~87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
37-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	υ

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	1018
d8-Toluene	96.2%
Bromofluorobenzene	89.2%
d4-1,2-Dichlorobenzene	94.8%

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Sample ID: LDW-PW-B-PE-16 SAMPLE

Lab Sample ID: II78C LIMS ID: 05-12784 Matrix: Water Data Release Authorized: Reported: 08/15/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/08/05 20:40

ater DR Appendix E

QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result Q	
74-87-3	Chloromethane	0.2	< 0.2 Ŭ	
74-83-9	Bromomethane	0.2	< 0.2 U	
75-01-4	Vinyl Chloride	0.2	< 0.2 U	
75-00-3	Chloroethane	0.2	< 0.2 U	
75-09-2	Methylene Chloride	0.3	< 0.3 U	
67-64-1	Acetone	1.0	48	
75-15-0	Carbon Disulfide	0.2	< 0.2 Ŭ	
75-35-4	1,1-Dichloroethene	0.2	< 0.2 U	
75-34-3	1,1-Dichloroethane	0.2	< 0.2 U	
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2 U	
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2 U	
67-66-3	Chloroform	0.2	< 0.2 Ŭ	
107-06-2	1,2-Dichloroethane	0.2	< 0.2 Ŭ	
78-93-3	2-Butanone	1.0	< 1.0 U	
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2 U	
56-23-5	Carbon Tetrachloride	0.2	< 0.2 Ŭ	
108-05-4	Vinyl Acetate	0.2	< 0.2 U	
75-27-4	Bromodichloromethane	0.2	< 0.2 U	
78-87-5	1,2-Dichloropropane	0.2	< 0.2 U	
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2 U	
79-01-6	Trichloroethene	0.2	< 0.2 U	
124-48-1	Dibromochloromethane	0.2	< 0.2 U	
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2 U	
71-43-2	Benzene	0.2	< 0.2 U	
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2 U	
110-75-8	2-Chloroethylvinylether	0.5	< 0.5 U	
75-25-2	Bromoform	0.2	< 0.2 U	
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0 U	
591-78-6	2-Hexanone	1.0	< 1.0 Ŭ	
127-18-4	Tetrachloroethene	0.2	< 0.2 U	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2 U	
108-88-3	Toluene	0.2	< 0.2 U	
108-90-7	Chlorobenzene	0.2	< 0.2 U	
100-41-4	Ethylbenzene	0.2	< 0.2 Ŭ	
100-42-5	Styrene	0.2	< 0.2 U	
75-69-4	Trichlorofluoromethane	0.2	< 0.2 Ŭ	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2 U	
1330-20-7	m,p-Xylene	0.4	< 0.4 U	
95-47-6	o-Xylene	0.2	< 0.2 Ŭ	
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2 U	
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2 Ŭ	
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2 U	
107-02-8	Acrolein	5.0	< 5.0 Ŭ	
74-88-4	Methyl Iodide	0.2	< 0.2 U	
74-96-4	Bromoethane	0.2	< 0.2 U	
107-13-1	Acrylonitrile	1.0	< 1.0 U	
563-58-6	1,1-Dichloropropene	0.2	< 0.2 U	
74-95-3	Dibromomethane	0.2	< 0.2 U	
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2 U	
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0 U	
96-18-4	1,2,3-Trichloropropane	0.5	< 0.50001	~
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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 2 of 2

Sample ID: LDW-PW-B-PE-16 SAMPLE

Lab Sample ID: II78C LIMS ID: 05-12784 Matrix: Water Date Analyzed: 08/08/05 20:40 QC Report No: 1178-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	Ŭ
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	ប
108-86-1	Bromobenzene	0.2	< 0.2	ប
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	υ
37-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

113%
106%
95.8%
100%



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Sample ID: LDW-PW-B-PE-201 SAMPLE

Lab Sample ID: II78E LIMS ID: 05-12786 Matrix: Water Data Release Authorized: Reported: 08/15/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/09/05 13:07 QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	ប
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	12	
75-15-0	Carbon Disulfide	0.2	< 0.2	υ
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	0.4	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	υ
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	ប
78-87 - 5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	ប
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	ប
71-43-2	Benzene	0.2	< 0.2	υ
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	σ
110~75-8	2-Chloroethylvinylether	0.5	< 0.5	υ
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	ប
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	υ
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	.0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	ប
75-69-4	Trichlorofluoromethane	0.2	< 0.2	υ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1,0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	ប
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U
96-18-4	1,2,3-Trichloropropane	0,5	< 0.5	U
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Sample ID: LDW-PW-B-PE-201 SAMPLE

Lab Sample ID: II78E LIMS ID: 05-12786 Matrix: Water Date Analyzed: 08/09/05 13:07 QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4~Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	Ũ
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	σ
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
€1-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	1128
d8-Toluene	99.8%
Bromofluorobenzene	88.2%
d4-1,2-Dichlorobenzene	98.5%

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FORM I

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ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

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Sample ID: LDW-PW-B-PE-202 SAMPLE

Lab Sample ID: 1178F LIMS ID: 05-12787 Matrix: Water Data Release Authorized: Reported: 08/15/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/09/05 13:35 QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	ប
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	12	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	Ŭ
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1.2-Dichloroethene	0.2	< 0.2	
156-59-2	cis-1,2-Dichloroethene	0.2	1.0	
67-66-3	Chloroform	0.2	< 0.2	υ
107-06-2	1,2-Dichloroethane	0.2	< 0.2	Ū
78-93-3	2-Butanone	1.0	< 1.0	-
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	
56-23-5	Carbon Tetrachloride	0.2	< 0.2	
108-05-4	Vinyl Acetate	0.2	< 0.2	
75-27-4	Bromodichloromethane	0.2	< 0.2	-
78-87-5	1,2-Dichloropropane	0.2	< 0.2	Ū
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	
79-01-6	Trichloroethene	0.2	0.2	-
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	υ
71-43-2	Benzene	0.2	< 0.2	
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	Ū
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	Ŭ
75-25-2		0.2	< 0.2	Ŭ
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	υ
591-78-6	2-Hexanone	1.0	< 1.0	
127-18-4	Tetrachloroethene	0.2	< 0.2	Ŭ
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	Ū
108-88-3	Toluene	0.2	< 0.2	ប័
108-90-7	Chlorobenzene	0.2	< 0.2	ប
100-41-4	Ethylbenzene	0.2	< 0.2	Ŭ
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	ប
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe		< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	Ŭ
95-47-6	o-Xylene	0.2	< 0.2	Ŭ
95~50-1	1,2-Dichlorobenzene	0.2	< 0.2	Ŭ
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	ΰ
107-02-8	Acrolein	5.0	< 5.0	U
74-88-4	Methyl Iodide	0.2	< 0.2	បី
74-96-4	Bromoethane	0.2	< 0.2	Ŭ
107-13-1	Acrylonitrile	1.0	< 1.0	υ
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	υ
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	υ
			< 2.0	U U
96-12-8	1,2-Dibromo-3-chloropropane	2.0		
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
	FORM I		:	000018

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Sample ID: LDW-PW-B-PE-202 SAMPLE

Lab Sample ID: 1178F LIMS ID: 05-12787 Matrix: Water Date Analyzed: 08/09/05 13:35 QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	Ū
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	Ū
87-68-3	Hexachlorobutadiene	0.5	< 0.5	Ū
106-93-4	Ethylene Dibromide	0.2	< 0.2	Ū
74-97-5	Bromochloromethane	0.2	< 0.2	Ū
594~20-7	2,2-Dichloropropane	0.2	< 0.2	ΰ
142-28-9	1,3-Dichloropropane	0.2	< 0.2	Ū
98-82-8	Isopropylbenzene	0.2	< 0.2	Ū
103-65-1	n-Propylbenzene	0.2	< 0.2	ប
108-86-1	Bromobenzene	0.2	< 0.2	Ū
95-49-8	2-Chlorotoluene	0.2	< 0.2	Ũ
106-43-4	4-Chlorotoluene	0.2	< 0.2	Ū
98-06-6	tert-Butylbenzene	0.2	< 0.2	ΰ
135-98-8	sec-Butylbenzene	0.2	< 0.2	Ū
99-87-6	4-Isopropyltoluene	0.2	< 0.2	Ū
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	Ū
91-20-3	Naphthalene	0.5	< 0.5	Ŭ
87-61~6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	105%
d8-Toluene	99.0%
Bromofluorobenzene	87.2%
d4-1,2-Dichlorobenzene	95.58

FORM I



Sample ID: LDW-PW-B-PZ-7 SAMPLE

Lab Sample ID: IE93C LIMS ID: 05-10746 Matrix: Water Data Release Authorized; Reported: 06/24/05

QC Report No: IE93-Windward Environmental Project: LDWG POREWATER

Date Sampled: 06/22/05 Date Received: 06/22/05

Instrument/Analyst: FINN3/PAB Date Analyzed: 06/23/05 13:58

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Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q	
74-87-3	Chloromethane	0.2	< 0.2	U	
74-83-9	Bromomethane	0.2	< 0.2	Ŭ	
75-01-4	Vinyl Chloride	0.2	< 0.2	ΰ	
75-00-3	Chloroethane	0.2	< 0.2	Ŭ	
75-09-2	Methylene Chloride	0.3	< 0.3	Ŭ	
67-64-1	Acetone	1.0	1.5	ų	
75-15-0	Carbon Disulfide	0.2	< 0.2	υ	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	ີຫຼິ	
75-34-3	1,1-Dichloroethane	0.2	< 0.2	บ. บ	
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	υ	
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	υ	
67-66-3	Chloroform	0.2	< 0.2	ΰ	ъ.,
107-06-2	1,2-Dichloroethane	0.2	< 0.2	υ	
78-93-3	2-Butanone	1.0	< 1.0	Ŭ	
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	Ŭ	
56-23-5	Carbon Tetrachloride	0.2	< 0.2	Ŭ	
108-05-4	Vinyl Acetate	0.2	< 0.2	υ	
75-27-4	Bromodichloromethane	0.2	< 0.2	υ	
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U	
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U	
79-01-6	Trichloroethene	0.2	< 0.2	ີບໍ່	
124-48-1	Dibromochloromethane	0.2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.1.
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U	
71~43-2	Benzene	0.2	< 0.2	U	
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	• •	
110-75-8	2-Chloroethylvinylether		< 0.2	U	
75-25-2	Bromoform	0.5 0.2	< 0.5	U	
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 0.2	U	
591-78-6	2-Hexanone	1.0	< 1.0	U	
127-18-4	Tetrachloroethene	0.2	< 1.0	υ	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U	
108-88-3	Toluene	0.2	< 0.2	Ŭ	
108-90-7	Chlorobenzene	0.2	< 0.2	U	
100-41-4	Ethylbenzene	0.2	< 0.2	U	
100-42-5	Styrene	0.2	< 0.2	U	
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe		0.2		
	m,p-Xylene		< 0.2	U	
	o-Xylene	0.4	< 0.4	U	
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U	
	1,3-Dichlorobenzene	0.2	< 0.2	U	
	1,4-Dichlorobenzene	0.2	< 0.2	U	
	Acrolein	0.2	< 0.2	U	
		5.0	< 5.0	U	
	Methyl Iodide Bromoethane	0.2	< 0.2	U	
		0.2	< 0.2	U	
	Acrylonitrile	1.0	< 1.0	U	
	1,1-Dichloropropene	0.2	< 0.2	U	
	Dibromomethane	0.2	< 0.2	U	
	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U	
	1,2~Dibromo-3-chloropropane	2.0	< 2.0	U	
6-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U	
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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Sample ID: LDW-PW-B-PZ-7 Page 2 of 2

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SAMPLE

Lab Sample ID: IE93C LIMS ID: 05-10746 Matrix: Water Date Analyzed: 06/23/05 13:58 QC Report No: IE93-Windward Environmental Project: LDWG POREWATER

CAS Number	Analyte	RL Result		Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	Ū
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	Ū
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	Ũ
103-65-1	n-Propylbenzene	0.2	< 0.2	υ
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	υ
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	115%
d8-Toluene	103%
Bromofluorobenzene	100%
d4-1,2-Dichlorobenzene	102%

FORM I

ANALYTICAL RESOURCES

ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-B-PZ-08 SAMPLE

Lab Sample ID: IE76C LIMS ID: 05-10645 Matrix: Water Data Release Authorized: Reported: 06/29/05

- - - -

QC Report No: IE76-Windward Environmental Project: LDWG Porewater 04-08-06-26 Date Sampled: 06/21/05 Date Received: 06/21/05

Instrument/Analyst: FINN3/PAB Date Analyzed: 06/23/05 18:01

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS	Number	Analyte			RL	Re	sult	Q	
74-8	7-3	Chloromethane	·		0.2		0.2	U	۰.
74-8	3-9	Bromomethane			0.2		0.2	ប	
75-0	1-4	Vinyl Chloride	1	· · ·	0.2		0.2	ិបី	
75-0	0-3	Chloroethane			0.2		0.2	Ŭ	
75-0	9-2	Methylene Chlo	ride		0.3		0.3	ប	
67-6	4-1	Acetone			1.0		1.3	Ŭ	
75-1	5-0	Carbon Disulfi	de		0.2	~	0.2	ប់	
75-3	5-4	1,1-Dichloroet	hene		0.2		0.2	Ŭ	
75-3	4-3	1,1-Dichloroet			0.2		0.2	Ū	
156-	60-5	trans-1,2-Dich	loroethene		0.2	<	0.2	U	
156-	59-2	cis-1,2-Dichlo	roethene		0.2	<	0.2	U	
67-6	6-3	Chloroform			0.2	<	0.2	υ	
107-	06-2	1,2-Dichloroet	hane		0.2	<	0.2	U	
78-93		2-Butanone			1.0	<	1.0	υ	
71-5		1,1,1-Trichloro			0.2	<	0.2	U	
56~2	and the second second	Carbon Tetrach	loride		0.2	. <	0.2	Ψ	
108-0		Vinyl Acetate			0.2	<	0.2	U	
75-2		Bromodichlorome	ethane	n de la compañía	0.2	<	0.2	U	
78-81		1,2-Dichloropro	pane	19 A.	0.2	<	0.2	U,	
	1-01-5	cis-1,3-Dichlor			0.2	· · · · · · · <	0.2	U	
79-01		Trichloroethene			0.2	<.	0.2	U	
124-4		Dibromochlorome			0.2	_<	0.2	U	
79-00		1,1,2-Trichloro	ethane		0.2	<	0.2	U	
71-43		Benzene	u interación de la composición de la co Esta composición de la		0.2	<	0.2	ប	
	L-02-6	trans-1,3-Dichl	oropropene		0.2	<	0.2	Ŭ	
110-7		2-Chloroethylvi			0.5	-	0.5	U	
75-25		Bromoform		s s s s	0.2		0.2	U	
108-1		4-Methyl-2-Pent	anone (MIB)	K)	1.0	the second states	1.0	Ų	
591-7		2-Hexanone	· · · · · · · · · · · ·	11 A.	1.0		1.0	U	
127-1	:	Tetrachloroethe		1. 1.	0.2	3. 4	0.2	U	
79-34 108-8	14 A.	1,1,2,2-Tetrach	loroetnane		0.2		0.2	U	
108-8	and the second second second	Toluene	the stranger of	1. S. 1. S. 1.	0.2		0.2	U	÷.,
108-9		Chlorobenzene Ethylbenzene	· .		0.2		0.2	U	
100-4			2		0.2		0.2	U	
75-69		Styrene Trichlorofluoro	mothono	-	0.2		0.2	U	
76-13	· · · · · · · · · · · · · · · · · · ·	1,1,2-Trichloro		luoroo	0.2		0.2	U	
1330-		m,p-Xylene	-1,2,2-LL11	10106	0.4		0.2	บ บ	
95-47		o-Xylene	4.1		0.4		0.4	U	
95-50		1,2-Dichloroben			0.2		0.2	Ŭ	
541-7	2	1,3-Dichloroben	1. Contract (1. Co		0.2		0.2	U	
106-4		1,4-Dichloroben		1.1	0.2				
107-0		Acrolein	zene		5.0	. >	0.2	U	
74-88		Methyl Iodide					5.0	U	
74-96		Bromoethane	in anti-participation of		0.2		0.2	U U	
107-1		Acrylonitrile			0.2 1.0		1.0	ប ប	
563-5		1,1-Dichloroprop	oene		0.2		0.2	U	
74-95		Dibromomethane			0.2		0.2	υ	
630-20		1,1,1,2-Tetrach	loroethane		0.2		0.2	υ	
96-12		1,2-Dibromo-3-cl			2.0		2.0	U	
96-18		1,2,3-Trichloro			0.5		0.00(7
								100	J



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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 2 of 2

Sample ID: LDW-FW-B-FZ-08 SAMPLE

Lab Sample ID: IE76C LIMS ID: 05-10645 Matrix: Water Date Analyzed: 06/23/05 18:01

QC Report No: IE76-Windward Environmental Project: LDWG Porewater 04-08-06-26

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10.0	~		-		-
ALC: 10 100				 	

CAS Number	Analyte	RL.	Result	Q
110-57~6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0,2	ប
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	Ū
87-68-3	Hexachlorobutadiene	0.5	< 0.5	υ
106-93-4	Ethylene Dibromide	0.2	< 0.3	U U
74-97-5	Bromochloromethane	0.2	< 0.2	-
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2		U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49~8	2-Chlorotoluene		< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	υ
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6		0.2	< 0.2	U
104-51-8	4-Isopropyltoluene	0.2	< 0.2	U
120-82~1	n-Butylbenzene	0.2	< 0.2	U
91~20-3	1,2,4-Trichlorobenzene	0.5	< 0.5	U
	Naphthalene	0.5	.* < 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

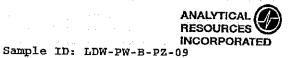
Volatile Surrogate Recovery

d4-1,2-Dichloroethane	118%
d8-Toluene	104%
Bromofluorobenzene	101%
d4-1,2-Dichlorobenzene	106%

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FORM I

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Lab Sample ID: IE76B LIMS ID: 05-10644 Matrix: Water Data Release Authorized: Reported: 06/29/05 QC Report No: IE76-Windward Environmental Project: LDWG Porewater 04-08-06-26 Date Sampled: 06/21/05 Date Received: 06/21/05

SAMPLE

Instrument/Analyst: FINN3/PAB Date Analyzed: 06/23/05 17:34

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result Q
74-87-3	Chloromethane	0.2	
74-83-9	Bromomethane	0.2	< 0.2 U
75-01-4	Vinyl Chloride	0.2	< 0.2 U
75-00-3	Chloroethane	0.2	< 0.2 U
75-09-2	Methylene Chloride		< 0.2 U
67-64-1	Acetone	0.3	< 0.3 U
75-15-0	Carbon Disulfide	1.0	2.2
75-35-4	1,1-Dichloroethene	0.2	< 0.2 U
75-34-3	1,1-Dichloroethane	0.2	< 0.2 U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2 U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2 U
67-66-3	Chloroform	0.2	< 0.2 U
107-06-2	1,2-Dichloroethane	0.2	< 0.2 U
78-93-3	2-Butanone	0.2	< 0.2 U
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0 U
56-23-5	Carbon Tetrachloride	0.2	< 0.2 U
108-05-4	Vinyl Acetate	0.2	< 0.2 U
75-27-4	Bromodichloromethane	0.2	< 0.2 U
78-87-5	1,2-Dichloropropane	0.2	< 0.2 U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2 Ŭ
79-01-6	Trichloroethene	0.2	< 0.2 Ŭ
124-48-1	Dibromochloromethane	0.2	< 0.2 U
79-00-5		0.2	< 0.2 U
71-43-2	1,1,2-Trichloroethane	0.2	< 0.2 U
10061-02-6	Benzene	0.2	< 0.2 U
110-75-8	trans-1,3-Dichloropropene	0.2	< 0.2 U
75-25-2	2-Chloroethylvinylether	0.5	< 0.5 U
108-10-1	Bromoform	0.2	< 0.2 U
591-78-6	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0 U
127-18-4	2-Hexanone	1.0	< 1.0 U
79-34-5	Tetrachloroethene	0.2	< 0.2 U
108-88-3	1,1,2,2-Tetrachloroethane Toluene	0.2	< 0.2 Ŭ
108-90-7	Chlorobenzene	0.2	< 0.2 U
100-41-4		0.2	< 0.2 U
100-41-4	Ethylbenzene	0.2	< 0.2 U
75-69-4	Styrene Trichlorofluoromethane	0.2	< 0.2 U
76-13-1	1 1 2 Trichland a Control	0.2	< 0.2 U
1330~20-7	1,1,2-Trichloro-1,2,2-trifluoro		< 0.2 U
95-47-6	m,p-Xylene	0.4	< 0.4 U
95-50-1	o-Xylene	0.2	< 0.2 U
	1,2-Dichlorobenzene	0.2	< 0.2 U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2 U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2 Ŭ
107-02-8	Acrolein	5.0	< 5.0 U
74-88-4	Methyl Iodide	0.2	< 0.2 U
74-96-4	Bromoethane	0.2	< 0.2 U
107-13-1	Acrylonitrile	1.0	< 1.0 U
563-58-6	1,1-Dichloropropene	0.2	< 0.2 U
74-95-3	Dibromomethane	0.2	< 0.2 U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2 U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0 U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5000009

FORM I

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Sample ID: LDW-PW-B-PZ-09 SAMPLE

Lab Sample ID: IE76B LIMS ID: 05-10644 Matrix: Water

QC Report No: IE76-Windward Environmental Project: LDWG Porewater 04-08-06-26

Date Analyzed: 06/23/05 17:34

CAS Number	Analyte	RL.	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	ប
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	ប
87-68-3	Hexachlorobutadiene	0.5	< 0.2	ប
106-93-4	Ethylene Dibromide	0.2	< 0.2	Ū
74-97-5	Bromochloromethane	0.2	< 0.2	υ
594-20-7	2,2-Dichloropropane	0.2	< 0.2	υ
142-28-9	1,3-Dichloropropane	0.2	< 0.2	ម
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U U
108-86-1	Bromobenzene	0.2	< 0.2	υ
95-49-8	2-Chlorotoluene	0.2	< 0.2	ម
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	ម
135-98-8	sec-Butylbenzene	0.2		
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene		< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.2	< 0.2	U
91-20-3	Naphthalene	0.5	< 0.5	U
37-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	υ
	r's'a-rrrenroropeuseue	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

FORM I

d4-1,2-Dichloroethane	120%	•
d8-Toluene	103%	
Bromofluorobenzene	101%	
d4-1,2-Dichlorobenzene	106%	

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SAMPLE

Sample ID: LDW-PW-B-PZ-10

Lab Sample ID: IE93B LIMS ID: 05-10745 Matrix: Water Data Release Authorized: // Reported: 06/24/05

QC Report No: IE93-Windward Environmental Project: LDWG POREWATER

Date Sampled: 06/22/05 Date Received: 06/22/05

Instrument/Analyst: FINN3/PAB Date Analyzed: 06/23/05 13:05

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

 CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	 U
74-83-9	Bromomethane	0.2	< 0.2	Ū-
75-01-4	Vinyl Chloride	0.2	< 0.2	Ū
75-00-3	Chloroethane	0.2	< 0.2	_ บ
75-09-2	Methylene Chloride	0.3	< 0.3	Ŭ
67-64-1	Acetone	1.0	< 1.0	ំបំ ំ
75-15-0	Carbon Disulfide	0.2	< 0.2	Ŭ
75-35-4	1,1-Dichloroethene	0.2	< 0.2	Ū
75-34-3	1,1-Dichloroethane	0.2	< 0.2	ີບ
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	Ū
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	ບັ
67-66-3	Chloroform	0.2	< 0.2	Ū
107-06-2	1,2-Dichloroethane	0.2	< 0.2	ប
78-93-3	2-Butanone	1.0	< 1.0	Ŭ.
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	ບັ
56-23-5	Carbon Tetrachloride	0.2	< 0.2	Ŭ
108-05-4	Vinyl Acetate	0.2	< 0.2	ับ
75-27-4	Bromodichloromethane	0.2	< 0.2	Ū
78-87-5	1,2-Dichloropropane	0.2	< 0.2	Ũ
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	Ŭ
79-01-6	Trichloroethene	0.2	< 0.2	Ŭ
124-48-1	Dibromochloromethane	0.2	< 0.2	บั
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	ΰ
71-43-2	Benzene	0.2	< 0.2	ับ่
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	ับ
110-75-8	2-Chloroethylvinylether	0.5	< 0.2	U
75-25-2	Bromoform	0.2	< 0.2	U U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	υ
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	υ Έ
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	ŭ
76-13-1	1,1,2-Trichloro-1,2,2-trifly		< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	Ŭ
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	Ŭ
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	υ
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	υ
107-02-8	Acrolein	5.0	< 5.0	υ
74-88-4	Methyl Iodide	0.2	< 0.2	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	ប
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	Ŭ
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	υ
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	
	-'-'a seessestrations	v	~ 0.5	00009

FORM I

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Sample ID: LDW-PW-B-PZ-10 SAMPLE

Lab Sample ID: IE93B LIMS ID: 05-10745 Matrix: Water Date Analyzed: 06/23/05 13:05

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QC Report No: IE93-Windward Environmental Project: LDWG POREWATER

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	υ
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	Ū
106-93-4	Ethylene Dibromide	0.2	< 0.2	Ū
74-97-5	Bromochloromethane	0.2	< 0.2	ັບ
594-20-7	2,2-Dichloropropane	0.2	< 0.2	ΰ
142-28-9	1,3-Dichloropropane	0.2	< 0.2	Ū
98-82-8	Isopropylbenzene	0.2	< 0.2	Ū
103-65-1	n-Propylbenzene	0.2	< 0.2	Ū
108-86-1	Bromobenzene	0.2	< 0.2	Ū
95-49-8	2-Chlorotoluene	0.2	< 0.2	Ū
106-43-4	4-Chlorotoluene	0.2	< 0.2	Ū
98-06-6	tert-Butylbenzene	0.2	< 0.2	Ū
135-98-8	sec-Butylbenzene	0.2	< 0.2	Ū
99-87-6	4-Isopropyltoluene	0.2	< 0.2	Ū
104-51-8	n-Butylbenzene	0.2	< 0.2	Ū
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.2	Ū
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	υ

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d8-Toluene 10	68
Bromofluorobenzene 10	38
d4-1,2-Dichlorobenzene 10	78

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FORM I

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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-B-PZ-11 SAMPLE

Lab Sample ID: 1E93A LIMS ID: 05-10744 Matrix: Water Data Release Authorized:

Instrument/Analyst: FINN3/PAB Date Analyzed: 06/23/05 13:32 QC Report No: IE93-Windward Environmental Project: LDWG POREWATER

Date Sampled: 05/22/05 Date Received: 06/22/05

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Resul	2 Q
74-87-3	Chloromethane	0.2	< 0.2	2 0
74-83-9	Bromomethane	0.2	< 0.2	2 ປ
75-01-4	Vinyl Chloride	0.2	< 0.3	2 U
75-00-3	Chloroethane	0.2	< 0.2	2 U
75-09-2	Methylene Chloride	0.3	< 0.3	
67-64-1	Acetone	1.0	< 1.0	
75-15-0	Carbon Disulfide	0.2	< 0.2	2 U .
75-35-4	1,1-Dichloroethene	0.2	< 0.2	
75-34-3	1,1-Dichloroethane	0.2	< 0.2	
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	
67-66-3	Chloroform	0.2	< 0.2	
107-06-2	1,2-Dichloroethane	0.2	< 0.2	
78-93-3	2-Butanone	1.0	< 1.0	
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	
56-23-5	Carbon Tetrachloride	0.2	. < 0.2	
108-05-4	Vinyl Acetate	0.2	< 0.2	
75-27-4	Bromodichloromethane	0.2	< 0.2	
78-87-5	1,2-Dichloropropane	0.2	< 0.2	and the second
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	
79-01-6	Trichloroethene	0.2	< 0.2	14 C C C C C C C C C C C C C C C C C C C
124-48-1	Dibromochloromethane	0.2	< 0.2	and the second
	1,1,2-Trichloroethane	0.2	< 0.2	
79-00-5		0.2	< 0.2	
71-43-2	Benzene	0.2		
10061-02-6	trans-1,3-Dichloropropene 2-Chloroethylvinylether	0.2	< 0.5	
110-75-8	Bromoform	0.5	< 0.2	
75-25-2		1.0	< 1.0	
108-10-1	4-Methyl-2-Pentanone (MIBK)			
591-78-6	2-Hexanone	1.0		
127-18-4	Tetrachloroethene	0.2	< 0.2	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	
108-88-3	Toluene	0.2	< 0.2	
108-90-7	Chlorobenzene	0.2	< 0.2	
100-41-4	Ethylbenzene	0.2	< 0.2	
100-42-5	Styrene	0.2	< 0.2	
75-69-4	Trichlorofluoromethane	0.2	< 0.2	
76-13-1	1,1,2-Trichloro-1,2,2-trifli		< 0.2	
1330-20-7	m,p-Xylene	0.4	< 0.4	
95-47-6	o-Xylene	0.2	< 0.2	-
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	
107-02-8	Acrolein	5.0		
74-88-4	Methyl Iodide	0.2	< 0.2	
74-96-4	Bromoethane	0.2	< 0.2	
107-13-1	Acrylonitrile	1.0	< 1.0	
563-58-6	1,1-Dichloropropene	0.2	< 0.2	
74-95-3	Dibromomethane	0.2	< 0.2	
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	08 0001



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Sample ID: LDW-PW-B-PZ-11 SAMPLE

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Lab Sample ID: IE93A LIMS ID: 05-10744 Matrix: Water Date Analyzed: 06/23/05 13:32 QC Report No: IE93-Windward Environmental Project: LDWG POREWATER

CAS Number	Analyte	RL	Result
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2
87-68-3	Hexachlorobutadiene	0.5	< 0.5
106-93-4	Ethylene Dibromide	0.2	< 0.2
74-97-5	Bromochloromethane	0.2	< 0.2
594-20-7	2,2-Dichloropropane	0.2	< 0.2
142-28-9	1,3-Dichloropropane	0.2	< 0.2
98-82-8	Isopropylbenzene	0.2	< 0.2
103-65-1	n-Propylbenzene	0.2	< 0.2
108-86-1	Bromobenzene	0.2	< 0.2
95-49-8	2-Chlorotoluene	0.2	< 0.2
106-43-4	4-Chlorotoluene	0.2	< 0.2
98-06-6	tert-Butylbenzene	0.2	< 0.2
135-98-8	sec-Butylbenzene	0.2	< 0.2
99-87-6	4-Isopropyltoluene	0.2	< 0.2
104-51-8	n-Butylbenzene	0.2	< 0.2
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5
91-20-3	Naphthalene	0.5	< 0.5
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Rec	overy
d4-1,2-Dichloroethane	124%
d8-Toluene	98.8%
Bromofluorobenzene	101%
d4-1,2-Dichlorobenzene	103%

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ANALYTICAL. RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-B-PZ-12 SAMPLE

Lab Sample ID: IE76A LIMS ID: 05-10643 Matrix: Water Data Release Authorized: Reported: 06/29/05

QC Report No: IE76-Windward Environmental Project: LDWG Porewater 04-08-06-26 Date Sampled: 06/21/05 Date Received: 06/21/05

Instrument/Analyst: FINN3/PAB Date Analyzed: 06/23/05 17:07

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result Q
74-87-3	Chloromethane	0.2	< 0.2 U
74-83-9	Bromomethane	0.2	< 0.2 U
75-01-4	Vinyl Chloride	0.2	< 0.2 U
75-00-3	Chloroethane	0.2	< 0.2 U
75-09-2	Methylene Chloride	0.3	< 0.3 U
67-64-1	Acetone	1.0	1.8
75-15-0	Carbon Disulfide	0.2	< 0.2 U
75-35-4	1,1-Dichloroethene	0.2	< 0.2 U
75-34-3	1,1-Dichloroethane	0.2	< 0.2 U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2 U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2 U
67-66-3	Chloroform	0.2	< 0.2 U
107-06-2	1,2-Dichloroethane	0.2	< 0.2 U
78-93-3	2-Butanone	1.0	< 1.0 U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2 U
56-23-5	Carbon Tetrachloride	0.2	< 0.2 U
108-05-4	Vinyl Acetate	0.2	< 0.2 U
75-27-4	Bromodichloromethane	0.2	< 0.2 U
78-87-5	1,2-Dichloropropane	0.2	< 0.2 U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2 U
79-01-6	Trichloroethene	0.2	< 0.2 U
124-48-1	Dibromochloromethane	0.2	< 0.2 U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2 Ŭ
71-43-2	Benzene	0.2	< 0.2 U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2 U
110-75-8	2-Chloroethylvinylether	0.5	< 0.5 U
75-25-2	Bromoform	0.2	< 0.2 U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0 U
591-78-6	2-Hexanone	1.0	< 1.0 U
127-18-4	Tetrachloroethene	0.2	< 0.2 Ŭ
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2 U
108-88-3	Toluene	0.2	< 0.2 U
108-90-7	Chlorobenzene	0.2	< 0.2 U
100-41-4	Ethylbenzene	0.2	< 0.2 U
100-42-5	Styrene	0.2	< 0.2 U
75-69-4	Trichlorofluoromethane	0.2	< 0.2 U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	orce 0.2	< 0.2 U
1330-20-7	m,p-Xylene	0.4	< 0.4 U
95-47-6	o-Xylene	0.2	< 0.2 U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2 Ü
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2 U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2 U
107-02-8	Acrolein	5.0	< 5.0 Ŭ
74-88-4	Methyl Iodide	0.2	< 0.2 U
74-96-4	Bromoethane	0.2	< 0.2 U
107-13-1	Acrylonitrile	1.0	< 1.0 U
563-58-6	1,1-Dichloropropene	0.2	< 0.2 U
74-95-3	Dibromomethane	0.2	< 0.2 U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2 U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0 U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.000007
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Sample ID: LDW-PW-B-PZ-12 SAMPLE

Lab Sample ID: IE76A LIMS ID: 05-10643 Matrix: Water Date Analyzed: 06/23/05 17:07 QC Report No: IE76-Windward Environmental Project: LDWG Porewater 04~08-06-26

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	υ
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	υ
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	ប
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49~8	2-Chlorotoluene	0.2	< 0.2	Ũ
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	υ
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	124%
d8-Toluene	104%
Bromofluorobenzene	1038
d4-1,2-Dichlorobenzene	109%

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ANALYTICAL RESOURCES

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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-G-PE-01 SAMPLE

Lab Sample ID: II78J LIMS ID: 05-12791 Matrix: Water Data Release Authorized: Reported: 08/15/05 QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/10/05 16:12 Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	 ប
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	3.4	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	
67-64-1	Acetone	1.0	. 33	
75-15-0	Carbon Disulfide	0.2	0.2	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	0.4	•
156-60-5	trans-1,2-Dichloroethene	0.2	0.3	
156-59-2	cis-1,2-Dichloroethene	0.2	6.1	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	ΰ
78-93-3	2-Butanone	1.0	< 0.2	0
	1,1,1-Trichloroethane		< 0.2	**
71-55-6	Carbon Tetrachloride	0.2		U
56-23-5		0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	ប
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U ·
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	0.5	
124-48-1	Dibromochloromethane	0.2	< 0.2	υ
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
.0061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
l10-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
5-25-2	Bromoform	0.2	< 0.2	υ
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
27-18-4	Tetrachloroethene	0.2	0.4	
9-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
08-88-3	Toluene	0.2	< 0.2	ប
.08-90-7	Chlorobenzene	0.2	< 0.2	υ
.00-41-4	Ethylbenzene	0.2	< 0.2	U
.00-42-5	Styrene	0.2	< 0.2	Ũ
5-69-4	Trichlorofluoromethane	0.2	< 0.2	U
6-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
330-20-7	m,p-Xylene	0.4	< 0.4	ប
5-47-6	o-Xylene	0.2	< 0.2	U
5-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
41-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
06-46-7	1,4-Dichlorobenzene	0.2	< 0.2	υ
07-02-8	Acrolein	5.0	< 5.0	U
4-88-4	Methyl Iodide	0.2	< 0.2	U
4-96-4	Bromoethane	0.2	< 0.2	U
07-13-1	Acrylonitrile	1.0	< 1.0	υ
63-58-6	1,1-Dichloropropene	0.2	< 0.2	ប
4-95-3	Dibromomethane	0.2	< 0.2	U
30-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	ប
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6-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U

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Sample ID: LDW-PW-G-PE-01 SAMPLE

Lab Sample ID: II78J LIMS ID: 05-12791 Matrix: Water Date Analyzed: 08/10/05 16:12 QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	ប
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	0.2	
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	υ
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	Ū

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

102%
101%
89.8%
102%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B 1 of 2 Page

Sample ID: LDW-PW-G-PE-02 DILUTION

Lab Sample ID: II78I LIMS ID: 05-12790 Matrix: Water Data Release Authorized: Reported: 08/15/05 QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/10/05 15:35 Sample Amount: 4.00 mL Purge Volume: 20.0 mL

74-87-3 74-83-9 75-01-4 75-00-3 75-09-2 67-64-1	Chloromethane Bromomethane Vinyl Chloride	1.0	< 1.0	U
75-01-4 75-00-3 75-09-2		1.0		
75-00-3 75-09-2	Vinvl Chloride		< 1.0	U
75-09-2		1.0	11	
	Chloroethane	1.0	< 1.0	U
67-64-1	Methylene Chloride	1.5	< 1.5	υ
	Acetone	5.0	7.6	
75-15-0	Carbon Disulfide	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
75-34-3	1,1-Dichloroethane	1.0	< 1.0	υ
156-60-5	trans-1,2-Dichloroethene	1.0	3.4	
156-59-2	cis-1,2-Dichloroethene	1.0	46	
67-66-3	Chloroform	1.0	< 1.0	υ
107-06-2	1,2-Dichloroethane	1.0	< 1.0	ΰ
78-93-3	2-Butanone	5.0	< 5.0	Ū
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	Ū
56-23-5	Carbon Tetrachloride	1.0	< 1.0	Ũ
108-05-4	Vinyl Acetate	1.0	< 1.0	Ū
75-27-4	Bromodichloromethane	1.0	< 1.0	U
78-87-5	1,2-Dichloropropane	1.0	< 1.0	Ū
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	Ū
79-01-6	Trichloroethene	1.0	2.5	-
L24-48-1	Dibromochloromethane	1.0	< 1.0	υ
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	Ŭ
1-43-2	Benzene	1.0	< 1.0	Ū
L0061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	Ū
L10-75-8	2-Chloroethylvinylether	2.5	< 2.5	Ū
75-25-2	Bromoform	1.0	< 1.0	บ
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	บ
591-78-6	2-Ilexanone	5.0	< 5.0	Ū
27-18-4	Tetrachloroethene	1.0	< 1.0	σ
9-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0	Ū
08-88-3	Toluene	1.0	< 1.0	U
.08-90-7	Chlorobenzene	1.0	< 1.0	U
00-41-4	Ethylbenzene	1.0	< 1.0	U
00-42-5	Styrene	1.0	< 1.0	U
5-69-4	Trichlorofluoromethane	1.0	< 1.0	ប
6-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	1.0	< 1.0	U
330-20-7	m,p-Xylene	2.0	< 2.0	U
5-47-6	o-Xylene	1.0	< 1.0	υ
5-50-1	1,2-Dichlorobenzene	1.0	< 1.0	U
41-73-1	1,3-Dichlorobenzene	1.0	< 1.0	Ų
06-46-7	1,4-Dichlorobenzene	1.0	< 1.0	U
07-02-8	Acrolein	25	< 25	ប
4-88-4	Methyl Iodide	1.0	< 1.0	Ū
4-96-4	Bromoethane	1.0	< 1.0	Ū
07-13-1	Acrylonitrile	5.0	< 5.0	ΰ
63-58-6	1,1-Dichloropropene	1.0	< 1.0	ច
4-95-3	Dibromomethane	1.0	< 1.0	Ŭ
30-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	Ū
6-12-8	1,2-Dibromo-3-chloropropane	10	< 10	Ŭ
6-18-4	1,2,3-Trichloropropane	2.5		Ū



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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 2 of 2

Sample ID: LDW-PW-G-PE-02 DILUTION

Lab Sample ID: II78I LIMS ID: 05-12790 Matrix: Water Date Analyzed: 08/10/05 15:35 QC Report No: 1178-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	σ
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	U
87-68-3	Hexachlorobutadiene	2.5	< 2.5	U
106-93-4	Ethylene Dibromide	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	U
142-28-9	1,3-Dichloropropane	1.0	< 1.0	U
98-82-8	Isopropylbenzene	1.0	< 1.0	Ŭ
103-65-1	n-Propylbenzene	1.0	< 1.0	Ū
108-86-1	Bromobenzene	1.0	< 1.0	Ū
95-49-8	2-Chlorotoluene	1.0	< 1.0	Ũ
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135-98-8	sec-Butylbenzene	1.0	< 1.0	U
99-87-6	4-Isopropyltoluene	1.0	< 1.0	U
104-51-8	n-Butylbenzene	1.0	< 1.0	Ū
120-82-1	1,2,4-Trichlorobenzene	2.5	< 2.5	Ū
91-20-3	Naphthalene	2.5	< 2.5	Ū
87-61-6	1,2,3-Trichlorobenzene	2.5	< 2.5	Ū

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	90.0%
d8-Toluene	92.2%
Bromofluorobenzene	81.0%
d4-1,2-Dichlorobenzene	98.2%

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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-G-PE-02 SAMPLE

Lab Sample ID: II78I LIMS ID: 05-12790 Matrix: Water Data Release Authorized: Reported: 08/15/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/09/05 15:03 QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	11	
75-00-3	Chloroethane	0.2	< 0.2	
75-09-2	Methylene Chloride	0.3	< 0.3	
67-64-1	Acetone	1.0	4.5	
75-15-0	Carbon Disulfide	0.2	< 0.2	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	
75-34-3	1,1-Dichloroethane	0.2	0.4	-
156-60-5	trans-1,2-Dichloroethene	0.2	3.1	
156-59-2	cis-1,2-Dichloroethene	0.2	44	
67-66-3	Chloroform	0.2	< 0.2	
107-06-2	1,2-Dichloroethane	0.2	< 0.2	
78-93-3	2-Butanone	1.0	< 1.0	
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	
56-23-5	Carbon Tetrachloride	0.2		U
108-05-4	Vinyl Acetate		< 0.2	U.
75-27-4	Bromodichloromethane	0.2	< 0.2	
78-87-5		0.2	< 0.2	
10061-01-5	1,2-Dichloropropane	0.2	< 0.2	Ŭ
	cis-1,3-Dichloropropene	0.2	< 0.2	υ
79-01-6	Trichloroethene	0.2	2.4	
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	ΰ
71-43-2	Benzene	0.2	< 0.2	υ
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	Ũ
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	ប
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	ប
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	Ū
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	ប
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	
74-88-4	Methyl Iodide	0.2	< 0.2	Ū
74-96-4	Bromoethane	0.2	< 0.2	υ
107-13-1	Acrylonitrile	1.0	< 1.0	ប
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U U
74-95-3	Dibromomethane	0.2	< 0.2	υ
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	υ
96-18-4	1,2,3-Trichloropropane	2.0		υ υ
		0.0	< 0.5	00002

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Sample ID: LDW-PW-G-PE-02 SAMPLE

Lab Sample ID: II78I LIMS ID: 05-12790 Matrix: Water Date Analyzed: 08/09/05 15:03

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QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	ប័
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	Ū
87-68-3	Hexachlorobutadiene	0.5	< 0.5	Ŭ
106-93-4	Ethylene Dibromide	0.2	< 0.2	Ū
74-97-5	Bromochloromethane	0.2	< 0.2	Ũ
594-20-7	2,2-Dichloropropane	0.2	< 0.2	Ũ
142-28-9	1,3-Dichloropropane	0.2	< 0.2	Ū
98-82-8	Isopropylbenzene	0.2	< 0.2	Ū
103-65 -1	n-Propylbenzene	0.2	< 0.2	υ
108-86-1	Bromobenzene	0.2	< 0.2	ບັ
95-49-8	2-Chlorotoluene	0.2	< 0.2	ບ່
106-43-4	4-Chlorotoluene	0.2	< 0.2	Ŭ
98-06-6	tert-Butylbenzene	0.2	< 0.2	Ũ
135-98-8	sec-Butylbenzene	0.2	< 0.2	Ŭ
99-87-6	4-Isopropyltoluene	0.2	< 0.2	Ū
104-51-8	n-Butylbenzene	0.2	< 0.2	υ
L20-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	Ū
91-20-3	Naphthalene	0.5	< 0.5	บั
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	ប

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	96.88
d8-Toluene	98.5%
Bromofluorobenzene	86.5%
d4-1,2-Dichlorobenzene	96.0%

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ANALYTICAL RESOURCES

ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

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Sample ID: LDW-PW-G-PE-03 SAMPLE

Lab Sample ID: II78H LIMS ID: 05-12789 Matrix: Water Data Release Authorized: Reported: 08/15/05 QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/09/05 14:33

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result Q
74-87-3	Chloromethane	0.2	< 0.2 U
74-83-9	Bromomethane	0.2	< 0.2 U
75-01-4	Vinyl Chloride	0.2	0.4
75-00-3	Chloroethane	0.2	< 0.2 U
75-09-2	Methylene Chloride	0.3	< 0.3 U
67-64-1	Acetone	1.0	71
75-15-0	Carbon Disulfide	0.2	< 0.2 U
75-35-4	1,1-Dichloroethene	0.2	< 0.2 U
75-34-3	1,1-Dichloroethane	0.2	< 0.2 U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2 U
156-59-2	cis-1,2-Dichloroethene	0.2	0.5
67-66-3	Chloroform	0.2	< 0.2 U
107-06-2	1,2-Dichloroethane	0.2	< 0.2 U
78-93-3	2-Butanone	1.0	< 1.0 U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2 U
56-23-5	Carbon Tetrachloride	0.2	< 0.2 U
108-05-4	Vinyl Acetate	0.2	< 0.2 U
75-27-4	Bromodichloromethane	0.2	< 0.2 U
78-87-5	1,2-Dichloropropane	0.2	< 0.2 U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2 U
79-01-6	Trichloroethene	0.2	< 0.2 U
124-48-1	Dibromochloromethane	0.2	< 0.2 U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2 U
71-43-2	Benzene	0.2	< 0.2 U
L0061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2 U
L10-75-8	2-Chloroethylvinylether	0.5	< 0.2 U
75-25-2	Bromoform	0.2	< 0.2 U
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0 U
91-78-6	2-Hexanone	1.0	< 1.0 U
27-18-4	Tetrachloroethene	0.2	< 0.2 U
9-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2 U
08-88-3	Toluene	0.2	< 0.2 U
08-90-7	Chlorobenzene	0.2	< 0.2 U
00-41-4	Ethylbenzene	0.2	< 0.2 U
00-42-5	Styrene	0.2	< 0.2 U
5-69-4	Trichlorofluoromethane	0.2	< 0.2 U
6-13-1	1,1,2-Trichloro-1,2,2-trifluoroe		< 0.2 U
330-20-7	m,p-Xylene	0.4	< 0.4 U
5-47-6	o-Xylene	0.2	0.3
5-50-1	1,2-Dichlorobenzene		
41-73-1	1,3-Dichlorobenzene	0.2 0.2	< 0.2 U < 0.2 U
06-46-7	1,4-Dichlorobenzene		
07-02-8	Acrolein	0.2	< 0.2 U
4-88-4	Methyl Iodide	5.0	< 5.0 U
4-96-4	Bromoethane	0.2	< 0.2 U
07-13-1	Acrylonitrile	0.2	< 0.2 U
63-58-6	1,1-Dichloropropene	1.0	< 1.0 U
4-95-3	Dibromomethane	0.2	< 0.2 U
30-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2 U
5-12-8		0.2	< 0.2 _* U
5-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0 U
7 TO-4	1,2,3-Trichloropropane	0.5	< 0.5 U

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Sample ID: LDW-PW-G-PE-03 SAMPLE

Lab Sample ID: II78H LIMS ID: 05-12789 Matrix: Water Date Analyzed: 08/09/05 14:33

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QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	0.2	
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	ប
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	Ū
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	Ū
91-20-3	Naphthalene	0.5	< 0.5	Ū
37-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	Ū

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	119%
d8-Toluene	104%
Bromofluorobenzene	97.2%
d4-1,2-Dichlorobenzene	102%

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ANALYTICAL RESOURCES

ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

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Sample ID: LDW-PW-G-PE-04 SAMPLE

Lab Sample ID: II78G LIMS ID: 05-12788 Matrix: Water Data Release Authorized: Reported: 08/15/05 QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/09/05 14:06

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	1.8	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	6.4	
75-15-0	Carbon Disulfide	0.2	< 0.2	υ
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	Ū
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	2.4	
67-66-3 👘 👘	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	Ŭ
78-93-3	2-Butanone	1.0	< 1.0	Ū
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	Ū
56-23-5	Carbon Tetrachloride	0.2	< 0.2	υ
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79 - 01-6	Trichloroethene	0.2	< 0.2	U
L24-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	υ
1-43-2	Benzene	0.2	< 0.2	U
0061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
10-75-8	2-Chloroethylvinylether	0.5	< 0.5	U
5-25-2	Bromoform	0.2	< 0.2	U
08-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	U
91-78-6	2-Hexanone	1.0	< 1.0	U
27-18-4	Tetrachloroethene	0.2	< 0.2	U
9-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
08-88-3	Toluene	0.2	< 0.2	U
.08-90-7	Chlorobenzene	0.2	< 0.2	U
00-41-4	Ethylbenzene	0.2	< 0.2	U
00-42-5	Styrene	0.2	< 0.2	U
5-69-4	Trichlorofluoromethane	0.2	< 0.2	Ũ
6-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
330-20-7	m,p-Xylene	0.4	< 0.4	U
5 - 47-6	o-Xylene	0.2	< 0.2	U
5-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
41-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
06-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
07-02-8	Acrolein	5.0		U
4-88-4	Methyl Iodide	0.2	< 0.2	U
4-96-4	Bromoethane	0.2	< 0.2	σ
07-13-1	Acrylonitrile	1.0	< 1.0 0	U
63-58-б	1,1-Dichloropropene	0.2	< 0.2 1	U
4-95-3	Dibromomethane	0.2	< 0.2 1	J
30-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2 T	IJ
5-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0 l	J
5-18-4	1,2,3-Trichloropropane			

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Sample ID: LDW-PW-G-PE-04 SAMPLE

Lab Sample ID: II78G LIMS ID: 05-12788 Matrix: Water Date Analyzed: 08/09/05 14:06 QC Report No: 1178-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3.5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1 2.4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	Ū
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	Ū
103-65-1	n-Propylbenzene	0.2	< 0.2	Ū
108-86-1	Bromobenzene	0.2	< 0.2	ΰ
95-49-8	2-Chlorotoluene	0.2	< 0.2	Ű
L06-43-4	4-Chlorotoluene	0.2	< 0.2	υ
8-06-6	tert-Butylbenzene	0.2	< 0.2	Ū
135-98-8	sec-Butylbenzene	0.2	< 0.2	Ŭ
9-87-6	4-Isopropyltoluene	0.2	< 0.2	Ŭ
104-51-8	n-Butylbenzene	0.2	< 0.2	Ŭ
20-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	ŭ
1-20-3	Naphthalene	0.5	< 0.5	ប
37-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	Ũ

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	115%
d8-Toluene	102%
Bromofluorobenzene	90.08
d4-1,2-Dichlorobenzene	99.0%



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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-G-PE-05 SAMPLE

Lab Sample ID: II78K LIMS ID: 05-12792 Matrix: Water Data Release Authorized: Reported: 08/15/05 QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Instrument/Analyst: FINN1/PAB
Date Analyzed: 08/09/05 16:03

Sample Amount: 20.0 mL

Purge Volume: 20.0 mL

74-87-3Chloromethane 0.2 < 0.2 U $74-83-9$ Bromomethane 0.2 < 0.2 U $75-01-4$ Vinyl Chloride 0.2 < 0.2 U $75-01-3$ Chloroethane 0.2 < 0.2 U $75-09-2$ Methylene Chloride 0.3 < 0.3 U $67-64-1$ Acetone 1.0 2.6 T $75-15-0$ Carbon Disulfide 0.2 < 0.2 U $75-35-4$ $1,1-Dichloroethene$ 0.2 1.1 $75-34-3$ $1,1-Dichloroethene$ 0.2 16 $156-60-5$ trans- $1,2$ -Dichloroethene 0.2 16 $156-60-5$ cis- $1,2$ -Dichloroethene 0.2 16 $107-06-2$ $1,2$ -Dichloroethane 0.2 15 $78-93-3$ 2 -Eutanone 0.2 < 0.2 U $75-27-4$ Bromodichloromethane 0.2 < 0.2 U $76-61-5$ tis- $1,3$ -Dichloropropane 0.2 < 0.2 U $76-23-5$ Carbon Tetrachloride 0.2 < 0.2 U $76-27-4$ Bromodichloromethane 0.2 < 0.2 U $79-01-6$ trichloropethane 0.2 < 0.2 U $79-01-6$ trichloropethane 0.2 < 0.2 U $79-01-6$ trichloropethane 0.2 < 0.2 U $106-10-6$ trans- $1,3$ -Dichloropropene 0.2 < 0.2 U $10061-02-6$ trans- $1,3$ -Dichloropropene 0.2 < 0.2 U	
75-01-4 Vinyl Chloride 0.2 120 ES 75-00-3 Chloroethane 0.2 < 0.2	-
75-00-3 Chloroethane 0.2 < 0.2	
75-09-2Methylene Chloride0.3< 0.3U $67-64-1$ Acetone1.02.6 $75-15-0$ Carbon Disulfide0.20.2U $75-35-4$ 1,1-Dichloroethane0.21.1 $75-34-3$ 1,1-Dichloroethane0.21.1 $75-34-3$ 1,1-Dichloroethane0.21.6 $156-60-5$ trans-1,2-Dichloroethane0.2140 $67-66-3$ Chloroform0.21.0 $78-93-3$ 2-Butanone1.0< 1.0	s
67-64-1 Acetone 1.0 2.6 75-15-0 Carbon Disulfide 0.2 < 0.2	
75-15-0Carbon Disulfide 0.2 $<$ 0.2 U $75-35-4$ 1,1-Dichloroethene0.21.1 $75-34-3$ 1,1-Dichloroethene0.21.1 $75-34-3$ 1,1-Dichloroethene0.21.6 $156-60-5$ trans-1,2-Dichloroethene0.2140 $156-59-2$ cis-1,2-Dichloroethene0.215 $67-66-3$ Chloroform0.2 $<$ 0.2U $107-06-2$ 1,2-Dichloroethane0.21.0 $107-06-2$ 1,2-Dichloroethane0.2 $<$ 0.2U $78-93-3$ 2-Butanone1.0 $<$ 1.0U $71-55-6$ 1,1,1-Trichloroethane0.2 $<$ 0.2U $108-05-4$ Vinyl Acetate0.2 $<$ 0.2U $108-05-4$ Vinyl Acetate0.2 $<$ 0.2U $78-97-5$ 1,2-Dichloropropane0.2 $<$ 0.2U $79-01-6$ Trichloroethene0.2 $<$ 0.2U $79-00-5$ 1,1,2-Trichloroethane0.2 $<$ 0.2U $10061-02-6$ trans-1,3-Dichloropropene0.2 $<$ 0.2U $10-75-8$ 2-Chloroethylvinylether0.5 $<$ 0.5U $108-10-1$ 4-Methyl-2-Pentanone (MIBK)1.0 $<$ 1.0U $127-18-4$ Tetrachloroethene0.2 $<$ 0.2U $100-42-5$ Styrene0.2 $<$ 0.2U $108-88-3$ Toluene0.2 $<$ 0.2U $108-80-7$ Chlorobenzene0.2 $<$ 0.2U	
75-35-41,1-Dichloroethene0.21.1 $75-34-3$ 1,1-Dichloroethene0.23.7 $156-60-5$ trans-1,2-Dichloroethene0.216 $156-59-2$ cis-1,2-Dichloroethene0.2140ES $67-66-3$ Chloroform0.20.2U $107-06-2$ 1,2-Dichloroethane0.21.5 $78-93-3$ 2-Butanone1.0<1.0	
75-34-31,1-Dichloroethane0.23.7 $156-60-5$ trans-1,2-Dichloroethane0.216 $156-59-2$ cis-1,2-Dichloroethane0.2140 $156-59-2$ cis-1,2-Dichloroethane0.215 $78-93-3$ 2-Butanone1.0<1.0	
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67-66-3 Chloroform 0.2 < 0.2	
67-66-3 Chloroform 0.2 < 0.2	3
107-06-21,2-Dichloroethane0.215 $78-93-3$ 2-Butanone1.0<1.0	
78-93-32-Butanone1.0< 1.0U $71-55-6$ 1,1,1-Trichloroethane0.2< 0.2	
71-55-6 1,1,1-Trichloroethane 0.2 < 0.2	
56-23-5Carbon Tetrachloride 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 $<$ 0.2 <t< td=""><td></td></t<>	
108-05-4Vinyl Acetate 0.2 < 0.2 < 0.2 U $75-27-4$ Bromodichloromethane 0.2 < 0.2 U $78-87-5$ $1,2$ -Dichloropropane 0.2 2.5 $10061-01-5$ cis-1,3-Dichloropropene 0.2 2.5 $10061-01-5$ cis-1,3-Dichloropropene 0.2 2.5 $124-48-1$ Dibromochloromethane 0.2 0.2 U $79-01-6$ Trichloroethene 0.2 < 0.2 U $79-00-5$ $1,1,2$ -Trichloroethane 0.2 < 0.2 U $10061-02-6$ trans-1,3-Dichloropropene 0.2 < 0.2 U $10061-02-6$ trans-1,3-Dichloropropene 0.2 < 0.2 U $10061-02-6$ trans-1,3-Dichloropropene 0.2 < 0.2 U $10061-02-6$ trans-1,2-Pentanone (MIEK) 1.0 < 1.0 U $75-25-2$ Bromoform 0.2 < 0.2 U $108-10-1$ 4 -Methyl-2-Pentanone (MIEK) 1.0 < 1.0 U $91-78-6$ 2 -Hexanone 1.0 < 1.0 U $127-18-4$ Tetrachloroethene 0.2 < 0.2 U $108-88-3$ Toluene 0.2 < 0.2 U $100-41-4$ Ethylbenzene 0.2 < 0.2 U $100-42-5$ Styrene 0.2 < 0.2 U $76-9-4$ Trichlorofluoromethane 0.2 < 0.2 U $130-20-7$ $m, p-Xylene$ 0.4 < 0.4 U $95-50-$	
$75-27-4$ Bromodichloromethane 0.2 < 0.2 \vee 0.2 \vee 0.2 \vee 0.2 \vee 0.2	
78-87-51,2-Dichloropropane0.22.510061-01-5cis-1,3-Dichloropropene0.2< 0.2	
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79-01-6Trichloroethene0.21.1124-48-1Dibromochloromethane0.2< 0.2	
124-48-1Dibromochloromethane0.2< 0.2U79-00-51,1,2-Trichloroethane0.2< 0.2	
79-00-51,1,2-Trichloroethane0.2< 0.2U $71-43-2$ Benzene0.23.0 $10061-02-6$ trans-1,3-Dichloropropene0.2< 0.2	
71-43-2Benzene 0.2 3.0 10061-02-6trans-1,3-Dichloropropene 0.2 < 0.2 U110-75-82-Chloroethylvinylether 0.5 < 0.5 U75-25-2Bromoform 0.2 < 0.2 U108-10-14-Methyl-2-Pentanone (MIBK) 1.0 < 1.0 U591-78-62-Hexanone 1.0 < 1.0 U127-18-4Tetrachloroethene 0.2 0.2 0.2 108-88-3Toluene 0.2 0.2 0.5 108-90-7Chlorobenzene 0.2 0.2 U100-41-4Ethylbenzene 0.2 < 0.2 U100-42-5Styrene 0.2 < 0.2 U76-13-1 $1,1,2$ -Trichloro- $1,2,2$ -trifluoroe 0.2 < 0.2 U130-20-7m,p-Xylene 0.4 < 0.4 U95-47-6 0 -Xylene 0.2 < 0.2 U95-50-1 $1,2$ -Dichlorobenzene 0.2 < 0.2 U541-73-1 $1,3$ -Dichlorobenzene 0.2 < 0.2 U	
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110-75-8 $2-Chloroethylvinylether$ 0.5 < 0.5 U $75-25-2$ Bromoform 0.2 < 0.2 U $108-10-1$ $4-Methyl-2-Pentanone$ (MIBK) 1.0 < 1.0 U $591-78-6$ $2-Hexanone$ 1.0 < 1.0 U $127-18-4$ Tetrachloroethene 0.2 1.1 $79-34-5$ $1,1,2,2-Tetrachloroethane$ 0.2 0.2 U $108-88-3$ Toluene 0.2 0.5 $108-90-7$ Chlorobenzene 0.2 0.2 U $100-41-4$ Ethylbenzene 0.2 < 0.2 U $100-42-5$ Styrene 0.2 < 0.2 U $100-42-5$ Styrene 0.2 < 0.2 U $76-13-1$ $1,1,2-Trichloro-1,2,2-trifluoroe0.2< 0.2U1330-20-7m,p-Xylene0.4< 0.4U95-47-6o-Xylene0.2< 0.2U95-50-11,2-Dichlorobenzene0.2< 0.2U541-73-11,3-Dichlorobenzene0.2< 0.2U$	
75-25-2Bromoform 0.2 < 0.2 U $108-10-1$ 4 -Methyl-2-Pentanone (MIBK) 1.0 < 1.0 U $591-78-6$ 2 -Hexanone 1.0 < 1.0 U $127-18-4$ Tetrachloroethene 0.2 1.1 $79-34-5$ $1,1,2,2$ -Tetrachloroethane 0.2 0.2 U $108-88-3$ Toluene 0.2 0.5 $108-90-7$ Chlorobenzene 0.2 < 0.2 U $100-41-4$ Ethylbenzene 0.2 < 0.2 U $100-42-5$ Styrene 0.2 < 0.2 U $76-13-1$ $1,1,2$ -Trichloro- $1,2,2$ -trifluoroe 0.2 < 0.2 U $1330-20-7$ m,p-Xylene 0.4 < 0.4 U $95-47-6$ o -Xylene 0.2 < 0.2 U $95-50-1$ $1,2$ -Dichlorobenzene 0.2 < 0.2 U $541-73-1$ $1,3$ -Dichlorobenzene 0.2 < 0.2 U	
108-10-14-Methyl-2-Pentanone (MIBK)1.0< 1.0U591-78-62-Hexanone1.0< 1.0	
591-78-62-Hexanone1.0< 1.0U127-18-4Tetrachloroethene0.21.179-34-51,1,2,2-Tetrachloroethane0.2< 0.2	
127-18-4Tetrachloroethene0.21.179-34-51,1,2,2-Tetrachloroethane0.2< 0.2	
79-34-51,1,2,2-Tetrachloroethane0.2< 0.2U108-88-3Toluene0.20.5108-90-7Chlorobenzene0.2< 0.2	
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76-13-11,1,2-Trichloro-1,2,2-trifluoroe0.2< 0.2U1330-20-7m,p-Xylene0.4< 0.4	
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95-47-6o-Xylene0.2< 0.2U95-50-11,2-Dichlorobenzene0.2< 0.2	
95-50-11,2-Dichlorobenzene0.2< 0.2U541-73-11,3-Dichlorobenzene0.2< 0.2	
541-73-1 1,3-Dichlorobenzene 0.2 < 0.2 U	
107-02-8 Acrolein 5.0 < 5.0 U	
74-88-4 Methyl Iodide 0.2 < 0.2 U	
74-96-4 Bromoethane 0.2 < 0.2 U	
107-13-1 Acrylonitrile 1.0 < 1.0 U	
563-58-6 1,1-Dichloropropene 0.2 < 0.2 U	
74-95-3 Dibromomethane 0.2 < 0.2 U	
630-20-6 1,1,1,2-Tetrachloroethane 0.2 < 0.2 U	
96-12-8 1,2-Dibromo-3-chloropropane 2.0 < 2.0 U	
96-18-4 1,2,3-Trichloropropane 0.5 < 0.5 U	
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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 2 of 2

Sample ID: LDW-PW-G-PE-05 SAMPLE

Lab Sample ID: II78K LIMS ID: 05-12792 Matrix: Water Date Analyzed: 08/09/05 16:03

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QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	υ
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	89.5%
d8-Toluene	95.8%
Bromofluorobenzene	86.5%
d4-1,2-Dichlorobenzene	98.5%

FORM I

ANALYTICAL RESOURCES INCORPORATED

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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-G-PE-05 REANALYSIS

Lab Sample ID: II78K LIMS ID: 05-12792 Matrix: Water Data Release Authorized: Reported: 08/15/05 QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Instrument/Analyst: NT3/JLM Date Analyzed: 08/13/05 18:09 Sample Amount: 1.00 mL Purge Volume: 5.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	5.0	< 5.0	U
74-83-9	Bromomethane	5.0	< 5.0	U
75-01-4	Vinyl Chloride	5.0	270	
75-00-3	Chloroethane	5.0	< 5.0	U
75-09-2	Methylene Chloride	10	< 10	ប
67-64-1	Acetone	25	< 25	Ū
75-15-0	Carbon Disulfide	5.0	< 5.0	U
75-35-4	1,1-Dichloroethene	5.0	< 5.0	U
75-34-3	1,1-Dichloroethane	5.0	< 5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	13	
156-59-2	cis-1,2-Dichloroethene	5.0	630	
67-66-3	Chloroform	5.0	< 5.0	U
107-06-2	1,2-Dichloroethane	5.0	15	
78-93-3	2-Butanone	25	< 25	U
71-55-6	1,1,1-Trichloroethane	5.0	< 5.0	υ
56-23-5	Carbon Tetrachloride	5.0	< 5.0	U
108-05-4	Vinyl Acetate	25	< 25	U
75-27-4	Bromodichloromethane	5.0	< 5.0	Ū
78-87-5	1,2-Dichloropropane	5.0	< 5.0	Ū
10061-01-5	cis-1,3-Dichloropropene	5.0	< 5.0	Ŭ
79-01-6	Trichloroethene	5.0	< 5.0	Ŭ
124-48-1	Dibromochloromethane	5.0	< 5.0	υ
79-00-5	1,1,2-Trichloroethane	5.0	< 5.0	ΰ
71-43-2	Benzene	5.0	< 5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	< 5.0	Ŭ
110-75-8	2-Chloroethylvinylether	25	< 25	Ū
75-25-2	Bromoform	5.0	< 5.0	Ŭ
108-10-1	4-Methyl-2-Pentanone (MIBK)	25	< 25	Ŭ
591-78-6	2-Hexanone	25	< 25	ប
127-18-4	Tetrachloroethene	5.0	< 5.0	Ŭ
79-34-5	1,1,2,2-Tetrachloroethane	5.0	< 5.0	ប
108-88-3	Toluene	5.0	< 5.0	Ŭ
108-90-7	Chlorobenzene	5.0	< 5.0	Ŭ
100-41-4	Ethylbenzene	5.0	< 5.0	ΰ
100-42-5	Styrene	5.0	< 5.0	U
75-69-4	Trichlorofluoromethane	5.0	< 5.0	υ
		10		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	5.0	< 10	U
1330-20-7	m,p-Xylene		< 5.0	U
95-47-6	o-Xylene	5.0	< 5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	< 5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	< 5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	< 5.0	U
107-02-8	Acrolein	250	< 250	U
74-88-4	Methyl Iodide	5.0	< 5.0	U
74-96-4	Bromoethane	10	< 10	U
107-13-1	Acrylonitrile	25	< 25	U
563-58-6	1,1-Dichloropropene	5.0	< 5.0	υ
74-95-3	Dibromomethane	5.0	< 5.0	U
530-20-6	1,1,1,2-Tetrachloroethane	5.0	< 5.0	ប
96-12-8	1,2-Dibromo-3-chloropropane	25	< 25	U
96-18-4	1,2,3-Trichloropropane	10	< 10	U
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FORM I



Sample ID: LDW-PW-G-PE-05 REANALYSIS

Lab Sample ID: II78K LIMS ID: 05-12792 Matrix: Water Date Analyzed: 08/13/05 18:09

QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	25	< 25	U
108-67-8	1,3,5-Trimethylbenzene	5.0	< 5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	< 5.0	ប
87-68-3	Hexachlorobutadiene	25	< 25	U
106-93-4	Ethylene Dibromide	5.0	< 5.0	U
74-97-5	Bromochloromethane	5.0	< 5.0	U
594-20-7	2,2-Dichloropropane	5.0	< 5.0	Ū
142-28-9	1,3-Dichloropropane	5.0	< 5.0	Ū
98-82-8	Isopropylbenzene	5.0	< 5.0	Ū
103-65-1	n-Propylbenzene	5.0	< 5.0	Ū
108-86-1	Bromobenzene	5.0	< 5.0	Ū
95-49-8	2-Chlorotoluene	5.0	< 5.0	Ũ
L06-43-4	4-Chlorotoluene	5.0	< 5.0	Ū
8~06-6	tert-Butylbenzene	5.0	< 5.0	Ū
L35-98-8	sec-Butylbenzene	5.0	< 5.0	Ū
9-87-6	4-Isopropyltoluene	5.0	< 5.0	Ū
.04-51-8	n-Butylbenzene	5.0	< 5.0	U
20-82-1	1,2,4-Trichlorobenzene	25	< 25	Ū
1-20-3	Naphthalene	25	< 25	Ū
7-61-6	1,2,3-Trichlorobenzene	25	< 25	Ū

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	96.5%
d8-Toluene	95.5%
Bromofluorobenzene	95.4%
d4-1,2-Dichlorobenzene	100%

FORM I

ANALYTICAL RESOURCES

ORGANICS ANALYSIS BATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8250B Page 1 of 2

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QC Report No: 1178-Windward Environmental Project: LDW

Sample ID: LDW-PW-G-PE-06

SAMPLE

Lab Sample ID: 1178L LIMS ID: 05-12793 Matrix: Water Data Release Authorized: Reported: 08/15/05

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Date Sampled: 08/01/05

Date Received: 08/01/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/09/05 16:33

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	220	ES
75-00-3	Chloroethane	0.2	< 0.2	Ũ
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	3.5	
75-15-0	Carbon Disulfide	0.2	0.7	
75-35-4	1,1-Dichloroethene	0.2	4.9	
75-34-3	1,1-Dichloroethane	0.2	1.6	
L56-60-5	trans-1,2-Dichloroethene	0.2	21	B
156-59-2	cis-1,2-Dichloroethene	0.2	250	ES
57-66-3	Chloroform	0.2	< 0.2	υ
L07-06-2	1,2-Dichloroethans	0.2	7.4	
78-93-3	2-Butanone	1.0	< 1.0	υ
1-55-6	1,1,1-Trichloroethane	0.2	< 0.2	ΰ
56-23-5	Carbon Tetrachloride	0.2	< 0.2	ΰ
108-05-4	Vinyl Acetate	0.2	< 0.2	Ū
5-27-4	Bromodichloromethane	0.2	< 0.2	ΰ
8-87-5	1,2-Dichloropropane	0.2	1.7	
0061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	υ
9-01-6	Trichloroethene	0.2	0.4	-
24-48-1	Dibromochloromethane	0.2	< 0.2	U
9-00-5	1,1,2-Trichloroethane	0.2	< 0.2	Ũ
1-43-2	Benzene	0.2	9.4	•
0061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	ប
10-75-8	2-Chloroethylvinylether	0.5	< 0.5	ΰ
5-25-2	Bromoform	0.2	< 0.2	Ū
08-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	Ů
91-78-6	2-Hexanoné	1.0	< 1.0	Ū
27-18-4	Tetrachloroethene	0.2	< 0.2	U
9-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
08-88-3	Toluene	0.2	3.5	
08-90-7	Chlorobenzene	0.2	1.4	
00-41-4	Ethylbenzene	0.2	1.3	
00-42-5	Styrene	0.2	< 0.2	υ
5-69-4	Trichlorofluoromethane	0.2	< 0.2	Ū
6-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
330-20-7	m,p-Xylene	0.4	0.7	•
5-47-6	o-Xylene	0.2	1.3	
5-50-1	1,2-Dichlorobenzene	0.2	0.5	
41-73-1	1,3-Dichlorobengene	0.2	< 0.2	υ
06-46-7	1,4-Dichlorobenzene	0.2	0.3	0
07-02-8	Acrolein	5.0	< 5.0	U
1-88-4	Nethyl Iodide	0.2	< 0.2	ŭ
1-96-4	Bromoethane	0.2	< 0.2	υ
)7-13-1	Acrylonitrile	1.0	< 1.0	Ŭ
53-58-6	1,1-Dichloropropene	0.2	< 0.2	Ŭ
1-95-3	Dibromomethane	0.2	< 0.2	ŭ
80-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	បី
5-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	ŭ
	1,2,3-Trichloropropane			



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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 2 of 2

Sample ID: LDW-PW-G-PE-06 SAMPLE

Lab Sample ID: I178L LIMS ID: 05-12793 Matrix: Water Date Analyzed: 08/09/05 16:33 QC Report No: 1178-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	Ŭ
98-82-8	Isopropylbenzene	0.2	0.2	
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61~6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	84.5%
d8-Toluene	92.0%
Bromofluorobenzene	90.2%
d4-1,2-Dichlorobenzene	98.0%

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ANALYTICAL RESOURCES

ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-G-PE-06 RRANALYSIS

Lab Sample ID: II78L LIMS ID: 05-12793 Matrix: Water Data Release Authorized: Reported: 08/15/05

QC Report No: 1178-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Instrument/Analyst: NT3/JLM Date Analyzed: 08/10/05 14:34

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Sample Amount: 0.100 mL Purge Volume: 5.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	50	< 50	U
74-83-9	Bromomethane	50	< 50	U
75-01-4	Vinyl Chloride	50	2,500	
75-00-3	Chloroethane	50	< 50	U
75-09-2	Methylene Chloride	100	< 100	Ū
67-64-1	Acetone	250	< 250	-
75-15-0	Carbon Disulfide	50	< 50	Ū
75-35-4	1,1-Dichloroethene	50	< 50	Ū
75-34-3	1,1-Dichloroethane	50	< 50	Ū
156-60-5	trans-1,2-Dichloroethene	50	< 50	Ŭ
156-59-2	cis-1,2-Dichloroethene	50	2,900	~
67-66-3	Chloroform	50	< 50	U
107-06-2	1,2-Dichloroethane	50	< 50	Ŭ
78-93-3	2-Butanone	250	< 250	Ű
/1-55-6	1,1,1-Trichloroethane	50	< 50	ប
56-23-5	Carbon Tetrachloride	50	< 50	U
108-05-4	Vinyl Acetate	250	< 250	Ū
75-27-4	Bromodichloromethane	50	< 50	Ŭ
78-87-5	1,2-Dichloropropane	50	< 50	ប
10961-01-5	cis-1,3-Dichloropropene	50	< 50	U
19-01-6	Trichloroethene	50	< 50	U
24-48-1	Dibromochloromethane	50	< 50	Ŭ
9-00-5	1,1,2-Trichloroethane	50	< 50	Ŭ
1-43-2	Benzene	50 50	< 50	U
.0051-02-6	trans-1,3-Dichloropropene	50	< 50	บ บ
10-75-8				_
	2-Chloroethylvinylether Bromoform	250	< 250	U
5-25-2		50	< 50	U
08-10-1	4-Methyl-2-Pentanone (MIBK)	250	< 250	Ũ
91-78-6	2-Hexanone	250	< 250	U
27-18-4	Tetrachloroethene	50	< 50	U
9-34-5	1,1,2,2-Tetrachloroethane	50	< 50	U
08-88-3	Toluene	50	< 50	U
08-90-7	Chlorobenzene	50	< 50	U
00-41-4	Ethylbenzene	50	< 50	U
00-42-5	Styrene	50	< 50	U
5-69-4	Trichlorofluoromethane	50	< 50	U
6-13-1	1,1,2-Trichloro-1,2,2-trifluoro		< 100	U
330-20-7	m,p-Xylene	50	< 50	U
5-47-6	o-Xylene	50	< 50	Ü
5-50-1	1,2-Dichlorobenzene	50	< 50	U
41-73-1	1,3-Dichlorobenzene	50	< 50	U
06-46-7	1,4-Dichlorobenzene	50	< 50	U
07-02-8		2,500	< 2,500	σ
4~88~4	Methyl Iodide	50	< 50	υ
4-96-4	Bromoethane	100	< 100	U
07-13-1	Acrylonitrile	250	< 250	U
63-58-6	1,1-Dichloropropene	50	< 50	U
4-95-3	Dibromomethane	50	< 50	U
30-20-6	1,1,1,2-Tetrachloroethane	50	< 50	U
6-12-8	1,2-Díbromo-3-chloropropane	250	< 250	U
5-18-4	1,2,3-Trichloropropane	100	< 100	U_
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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 2 of 2

Sample ID: LDW-PW-G-PE-06 REANALYSIS

Lab Sample ID: II78L LIMS ID: 05-12793 Matrix: Water Date Analyzed: 08/10/05 14:34 QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	250	< 250	U
108-67-8	1,3,5-Trimethylbenzene	50	< 50	U
95-63-6	1,2,4-Trimethylbenzene	50	< 50	U
87-68-3	Hexachlorobutadiene	250	< 250	υ
106-93-4	Ethylene Dibromide	50	< 50	U
74-97-5	Bromochloromethane	50	< 50	U
594-20-7	2,2-Dichloropropane	50	< 50	U
142-28-9	1,3-Dichloropropane	50	< 50	U
98-82-8	Isopropylbenzene	50	< 50	U
103-65-1	n-Propylbenzene	50	< 50	U
108-86-1	Bromobenzene	50	< 50	U
95-49-8	2-Chlorotoluene	50	< 50	U
106-43-4	4-Chlorotoluene	50	< 50	U
98-06-6	tert-Butylbenzene	50	< 50	U
135-98-8	sec-Butylbenzene	50	< 50	U
99-87-6	4-Isopropyltoluene	50	< 50	U
104-51-8	n-Butylbenzene	50	< 50	υ
120-82-1	1,2,4-Trichlorobenzene	250	< 250	U
91-20-3	Naphthalene	250	< 250	U
87-61-6	1,2,3-Trichlorobenzene	250	< 250	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	80.5%
d8-Toluene	99.2%
Bromofluorobenzene	82.6%
d4-1,2-Dichlorobenzene	93.3%

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Sample ID: LDW-PW-G-PE-07 SAMPLE

Lab Sample ID: II78M LIMS ID: 05-12794 Matrix: Water Data Release Authorized: Reported: 08/15/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/10/05 16:33

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QC Report No: IT78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Sample Amount: 10.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.4	< 0.4	ប
74-83-9	Bromomethane	0.4	< 0.4	U
75-01-4	Vinyl Chloride	0.4	7.2	
75-00-3	Chloroethane	0.4	< 0.4	U
75-09-2	Methylene Chloride	0.6	< 0.6	U
7-64-1	Acetone	2.0	64	
/5-15-0	Carbon Disulfide	0.4	< 0.4	U
5-35-4	1,1-Dichloroethene	0.4	< 0.4	U
5-34-3	1.1-Dichloroethane	0.4	11	· .
56-60-5	trans-1,2-Dichloroethene	0.4	< 0.4	U
56-59-2	cis-1,2-Dichloroethene	0.4	18	
7-66-3	Chloroform	0.4	< 0.4	σ
07-05-2	1.2-Dichloroethane	0.4	< 0.4	U
8-93-3	2-Butanone	2.0	< 2.0	U
1-55-6	1,1,1-Trichloroethane	0.4	< 0.4	U
6-23-5	Carbon Tetrachloride	0.4	< 0.4	Ū
08-05-4	Vinvl Acetate	0.4	< 0.4	ΰ
5-27-4	Bromodichloromethane	0.4	< 0.4	U
8-87-5	1,2-Dichloropropane	0.4	< 0.4	Ū
0061-01-5	cis-1,3-Dichloropropene	0.4	< 0.4	Ū
9-01-6	Trichloroethene	0.4	< 0.4	ΰ
24-48-1	Dibromochloromethane	0.4	< 0.4	Ū
9-00-5	1,1,2-Trichloroethane	0.4	< 0.4	Ū
L-43-2	Benzene	0.4	2.2	-
0061-02-6	trans-1,3-Dichloropropene	0.4	< 0.4	U
LO-75-8	2-Chloroethylvinylether	1.0	< 1.0	Ū
5-25-2	Bromoform	0.4	< 0.4	Ū
08-10-1	4-Methyl-2-Pentanone (MIBK)	2.0	< 2.0	Ū
91-78-6	2-Hexanone	2.0	< 2.0	บ
27-18-4	Tetrachloroethene	0.4	< 0.4	ข
9-34-5	1,1,2,2-Tetrachloroethane	0.4	< 0.4	Ū
08-88-3	Toluene	0.4	< 0.4	ň
08-90-7	Chlorobenzene	0.4	0.4	-
00-41-4	Ethylbenzene	0.4	< 0.4	U
00-42-5	Styrene	0.4	< 0.4	Ũ
5-69-4	Trichlorofluoromethane	0.4	< 0.4	ŭ
5-13-1	1,1,2-Trichloro-1,2,2-trifluoroe		< 0.4	Ũ
30-20-7	m,p-Xylene	0.8	< 0.8	Ũ
5-47-6	o-Xylene	0.4	< 0.4	Ŭ
5-50-1	1.2-Dichlorobenzene	0.4	< 0.4	Ŭ
1-30-1 1-73-1	1,3-Dichlorobenzene	0.4	< 0.4	U
•1-73-⊥ •6-46-7	1.4-Dichlorobenzene	0.4	< 0.4	Ű
	Acrolein	10	< 10	U
37-02-8			< 0.4	ប
1-88-4	Methyl Iodide	0.4 0.4	< 0.4	ŭ
1-96-4	Bromoethane		< 2.0	ŭ
07-13-1	Acrylonitrile	2.0 0.4	< 2.0	U
63-58-6	l,l-Dichloropropene Dibromomethane	0.4	< 0.4	UU
4-95-3	1.1.1.2-Tetrachloroethane	0.4	< 0.4	ប
30-20-6	1,2-Dibromo-3-chloropropane	4.0	< 4.0	U U
6-12-8	1,2,3-Trichloropropane	1.0	< 1.0	U
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Sample ID: LDW-PW-G-PE-07 SAMPLE

Lab Sample ID: II78M LIMS ID: 05-12794 Matrix: Water Date Analyzed: 08/10/05 16:33

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QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	2.0	< 2.0	υ
108-67-8	1,3,5-Trimethylbenzene	0.4	< 0.4	U
95-63-6	1,2,4-Trimethylbenzene	0.4	< 0.4	U
87-68-3	Hexachlorobutadiene	1.0	< 1.0	υ
106-93-4	Ethylene Dibromide	0.4	< 0.4	U
74-97-5	Bromochloromethane	.0.4	< 0.4	U
594-20-7	2,2-Dichloropropane	0.4	< 0.4	U
142-28-9	1,3-Dichloropropane	0.4	< 0.4	U
98-82-8	Isopropylbenzene	0.4	< 0.4	U
103-65-1	n-Propylbenzene	0.4	< 0.4	U
108-86-1	Bromobenzene	0.4	< 0.4	U
95-49-8	2-Chlorotoluene	0.4	· < 0.4	U
106-43-4	4-Chlorotoluene	0.4	< 0.4	ប
98-06-6	tert-Butylbenzene	0.4	< 0.4	υ
135-98-8	sec-Butylbenzene	0.4	< 0.4	U
99-87-6	4-Isopropyltoluene	0.4	< 0.4	U
104-51-8	n-Butylbenzene	0.4	< 0.4	U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0	U
91-20-3	Naphthalene	1.0	< 1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	< 1.0	υ

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	96.8%
d8-Toluene	98.8%
Bromofluorobenzene	88.0%
d4-1,2-Dichlorobenzene	97.0%

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ANALYTICAL RESOURCES INCORPORATED

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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-G-PE-08 SAMPLE

Lab Sample ID: II78N LIMS ID: 05-12795 Matrix: Water Data Release Authorized: Reported: 08/15/05

QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/10/05 17:03

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Sample Amount: 10.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.4	< 0.4	υ
74-83-9	Bromomethane	0.4	< 0.4	U
75-01-4	Vinyl Chloride	0.4	11	
75-00-3	Chloroethane	0.4	< 0.4	
75-09-2	Methylene Chloride	0.6	< 0.6	U
67-64-1	Acetone	2.0	28	
75-15-0	Carbon Disulfide	0.4	0.4	
75-35-4	1,1-Dichloroethene	0.4	< 0.4	U
75-34-3	1,1-Dichloroethane	0.4	6.7	
156-60-5	trans-1,2-Dichloroethene	0.4	0.5	
156-59-2	cis-1,2-Dichloroethene	0.4	20	
67-66-3	Chloroform	0.4	< 0.4	Ũ
107-06-2	1,2-Dichloroethane	0.4	< 0.4	ប
78-93-3	2-Butanone	2.0	< 2.0	U
71~55~6	1,1,1-Trichloroethane	0.4	< 0.4	U
56-23-5	Carbon Tetrachloride	0.4	< 0.4	U
108-05-4	Vinyl Acetate	0.4	< 0.4	U
75-27-4	Bromodichloromethane	0.4	< 0.4	U
78-87-5	1,2-Dichloropropane	0.4	< 0.4	U
10061-01-5	cis-1,3-Dichloropropene	0.4	< 0.4	U
79-01-6	Trichloroethene Dibromochloromethane	0.4	< 0.4	U.
124-48-1 70 00 F		0.4	< 0.4	ប ប
79-00-5 71-43-2	l,l,2-Trichloroethane Benzene	0.4	< 0.4 3.2	U
10061-02-6	trans-1,3-Dichloropropene	0.4	< 0.4	ប
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U U
75-25-2	Bromoform	0.4	< 0.4	Ŭ
108-10-1	4-Methyl-2-Pentanone (MIBK)	2.0	< 2.0	U
591-78-6	2-Hexanone	2.0	< 2.0	Ŭ
127-18-4	Tetrachloroethene	0.4	< 0.4	υ
79-34-5	1,1,2,2-Tetrachloroethane	0.4	< 0.4	Ū
108-88-3	Toluene	0.4	0.5	
108-90-7	Chlorobenzene	0.4	< 0.4	U
100-41-4	Ethylbenzene	0.4	< 0.4	Ū
100-42-5	Styrene	0.4	< 0.4	Ū
75-69-4	Trichlorofluoromethane	0.4	< 0.4	Ū
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe		< 0.4	Ū
1330-20-7	m,p-Xylene	0.8	< 0.8	Ū
95-47-6	o-Xylene	0.4	0.5	
95-50-1	1,2-Dichlorobenzene	0.4	< 0.4	υ
541-73-1	1,3-Dichlorobenzene	0.4	< 0.4	ប
106-46-7	1,4-Dichlorobenzene	0.4	< 0.4	U
107-02-8	Acrolein	10	< 10	υ
74-88-4	Methyl Iodide	0.4	< 0.4	U
74-96-4	Bromoethane	0.4	< 0.4	ប
107-13-1	Acrylonitrile	2.0	< 2.0	U
563-58-6	1,1-Dichloropropene	0.4	< 0.4	U
74-95-3	Dibromomethane	0.4	< 0.4	ប
630-20-6	1,1,1,2-Tetrachloroethane	0.4	< 0.4	U
96-12-8	1,2-Dibromo-3-chloropropane	4.0	< 4.0	U
96-18-4	1,2,3-Trichloropropane	1.0	< 1.0	U
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Sample ID: LDW-PW-G-PE-08 SAMPLE

Lab Sample ID: II78N LIMS ID: 05-12795 Matrix: Water Date Analyzed: 08/10/05 17:03 QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	2.0	< 2.0	U
108-67-8	1,3,5-Trimethylbenzene	0.4	< 0.4	U
95-63-6	1,2,4-Trimethylbenzene	0.4	< 0.4	Ų
87-68-3	Hexachlorobutadiene	1.0	< 1.0	U
106-93-4	Ethylene Dibromide	0.4	< 0.4	U
74-97-5	Bromochloromethane	0.4	< 0.4	U
594-20-7	2,2-Dichloropropane	0.4	< 0.4	U
142-28-9	1,3-Dichloropropane	0.4	< 0.4	U
98-82-8	Isopropylbenzene	0.4	< 0.4	U
103-65-1	n-Propylbenzene	0.4	< 0.4	U
108-86-1	Bromobenzene	0.4	< 0.4	U
95-49-8	2-Chlorotoluene	0.4	< 0.4	U
106-43-4	4-Chlorotoluene	0.4	< 0.4	U
98-06-6	tert-Butylbenzene	0.4	< 0.4	ប
135-98-8	sec-Butylbenzene	0.4	< 0.4	U
99-87-6	4-Isopropyltoluene	0.4	< 0.4	U
104-51-8	n-Butylbenzene	0.4	< 0.4	U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0	U
91-20-3	Naphthalene	1.0	< 1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	< 1.0	V

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	87.8%
d8-Toluene	92.5%
Bromofluorobenzene	86.5%
d4-1,2-Dichlorobenzene	96.8%

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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-G-PE-203 SAMPLE

Lab Sample ID: 11780 LIMS ID: 05-12796 Matrix: Water Data Release Authorized: Reported: 08/15/05 QC Report No: 1178-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/09/05 18:02 Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	96	ES
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
57-64-1	Acetone	1.0	13	
75-15-0	Carbon Disulfide	0.2	0.2	
75-35-4	1,1-Dichloroethene	0.2	0.3	
75-34-3	1,1-Dichloroethane	0.2	4.0	
156-60-5	trans-1,2-Dichloroethene	0.2	0.7	
156-59-2	cis-1,2-Dichloroethene	0.2	60	ES
57-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	Ũ
78-93-3	2-Butanone	1.0	< 1.0	Ū
1-55-6	1,1,1-Trichloroethane	0.2	< 0.2	Ū
56-23-5	Carbon Tetrachloride	0.2	< 0.2	Ū
.08-05-4	Vinyl Acetate	0.2	< 0.2	Ũ
/5-27-4	Bromodichloromethane	0.2	< 0.2	Ŭ
8~87~5	1,2-Dichloropropane	0.2	< 0.2	Ŭ
.0061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	Ŭ
9-01-6	Trichloroethene	0.2	< 0.2	ບັ
24-48-1	Dibromochloromethane	0.2	< 0.2	Ū
9-00-5	1,1,2-Trichloroethane	0.2	< 0.2	Ū
1-43-2	Benzene	0.2	2.4	
0061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	υ
10-75-8	2-Chloroethylvinylether	0.5	< 0.5	Ū
5-25-2	Bromoform	0.2	< 0.2	U
08-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	ប
91-78-6	2-Hexanone	1.0	< 1.0	U
27-18-4	Tetrachloroethene	0.2	< 0.2	ប
9-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
08-88-3	Toluene	0.2	0.3	
08-90-7	Chlorobenzene	0.2	0.3	
00-41-4	Ethylbenzene	0.2	0.2	
00-42-5	Styrene	0.2	< 0.2	U
5-69-4	Trichlorofluoromethane	0.2	< 0.2	Ū
6-13-1	1,1,2-Trichloro-1,2,2-trifluoroe		< 0.2	Ŭ
330-20-7	m,p-Xylene	0.4	< 0.4	បី
5-47-6	o-Xylene	0.2	0.6	<u> </u>
	1,2-Dichlorobenzene	0.2	0.6	
5-50-1	1,3-Dichlorobenzene	0.2	< 0.2	U
41-73-1	1,4-Dichlorobenzene	0.2	< 0.2	ΰ
.06-46-7 .07-02-8	Acrolein	5.0	< 5.0	ប
	Methyl Iodide	0.2	< 0.2	ΰ
4-88-4 4-96 - 4	Bromoethane	0.2	< 0.2	ΰ
	Acrylonitrile	1.0	< 1.0	U
07-13-1	2	0.2	< 0.2	U
63-58-6	1,1-Dichloropropene	0.2	< 0.2	U
4~95-3	Dibromomethane	0.2	< 0.2	U
30-20-6	1,1,1,2-Tetrachloroethane	2.0	< 2.0	υ υ
6-12-8	1,2-Dibromo-3-chloropropane	2.0 0.5	< 2.0	
6-18-4	1,2,3-Trichloropropane FORM I	0.0	< 0.5	000 ⁰

FORM I

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Sample ID: LDW-PW-G-PE-203 SAMPLE

Lab Sample ID: II780 LIMS ID: 05-12796 Matrix: Water Date Analyzed: 08/09/05 18:02 QC Report No: 1178-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	Ũ
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	Ū
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	ប
106-43-4	4-Chlorotoluene	0.2	< 0.2	Ū
98 - 06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	υ
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	93.8%
d8-Toluene	97.8%
Bromofluorobenzene	88.2%
d4-1,2-Dichlorobenzene	96.5%

FORM I

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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-G-PE-203 REANALYSIS

Lab Sample ID: II780 LIMS ID: 05-12796 Matrix: Water Data Release Authorized: Reported: 08/15/05

Instrument/Analyst: NT3/JLM Date Analyzed: 08/13/05 18:36 QC Report No: 1178-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Sample Amount: 5.00 mL Purge Volume: 5.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.0	< 1.0	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	1.0	92	
75-00-3	Chloroethane	1.0	< 1.0	υ
75-09-2	Methylene Chloride	2.0	< 2.0	U
67-64-1	Acetone	5.0	6.9	
75-15-0	Carbon Disulfide	1.0	< 1.0	ប
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
75-34-3	1,1-Dichloroethane	1.0	2.3	
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	41	
67-66-3	Chloroform	1.0	< 1.0	υ
107-06-2	1,2-Dichloroethane	1.0	< 1.0	U
78-93-3	2-Butanone	5.0	< 5.0	υ
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	U
56-23-5	Carbon Tetrachloride	1.0	< 1.0	U
108-05-4	Vinyl Acetate	5.0	< 5.0	Ŭ
75-27-4	Bromodichloromethane	1.0	< 1.0	Ū
78-87-5	1,2-Dichloropropane	1.0	< 1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	บ
124-48-1	Dibromochloromethane	1.0	< 1.0	Ū
	1,1,2-Trichloroethane	1.0	< 1.0	U
79-00-5 71-43-2	Benzene	1.0	1.6	
10061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	υ
=	2-Chloroethylvinylether	5.0	< 5.0	Ū
110-75-8 75-25-2	Bromoform	1.0	< 1.0	Ū
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	Ū
591-78-6	2-Hexanone	5.0	< 5.0	Ū
127-18-4	Tetrachloroethene	1.0	< 1.0	U
	1,1,2,2-Tetrachloroethane	1.0	< 1.0	Ū
79-34-5	Toluene	1.0	< 1.0	Ū
108-88-3	Chlorobenzene	1.0	< 1.0	Ū
108-90-7		1.0	< 1.0	Ŭ
100-41-4	Ethylbenzene	1.0	< 1.0	Ŭ
100-42-5	Styrene	1.0	< 1.0	ប
75-69-4	Trichlorofluoromethane		< 2.0	ΰ.
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	1.0	< 1.0	Ŭ
1330-20-7	m,p-Xylene	1.0	< 1.0	U U
95-47-6	o-Xylene	1.0	< 1.0	ΰ
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0	Ŭ
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0	υ
106-46-7	1,4-Dichlorobenzene	50	< 50	Ū ·
107-02-8	Acrolein Mathad Istica		< 1.0	υ
74-88-4	Methyl Iodide	1.0 2.0	< 2.0	υ
74-96-4	Bromoethane	2.0	< 5.0	υ.
107-13-1	Acrylonitrile	1.0	< 1.0	ບ . ບ
563~58-6	1,1-Dichloropropene	1.0	< 1.0	ប
74-95-3	Dibromomethane	1.0	< 1.0	ប
630-20-6	1,1,1,2-Tetrachloroethane		< 5.0	υ
96-12-8	1,2-Dibromo-3-chloropropane	5.0	< 2.0	
96-18-4	1,2,3-Trichloropropane	2.0	5 2.0	000044
	FORM I			

FORM I

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Sample ID: LDW-PW-G-PE-203 REANALYSIS

Lab Sample ID: II780 LIMS ID: 05-12796 Matrix: Water Date Analyzed: 08/13/05 18:36 QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	ប
87-68-3	Hexachlorobutadiene	5.0	< 5.0	U
106-93-4	Ethylene Dibromide	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	U
142-28-9	1,3-Dichloropropane	1.0	< 1.0	U
98-82-8	Isopropylbenzene	1.0	< 1.0	υ
103-65-1	n-Propylbenzene	1.0	< 1.0	U
108-86-1	Bromobenzene	1.0	< 1.0	U
95-49-8	2-Chlorotoluene	1.0	< 1.0	ΰ
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135-98-8	sec-Butylbenzene	1.0	< 1.0	U
99-87-6	4-Isopropyltoluene	1.0	< 1.0	U
104-51-8	n-Butylbenzene	1.0	< 1.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	< 5.0	U
91-20-3	Naphthalene	5.0	< 5.0	υ
87-61-6	1,2,3-Trichlorobenzene	5.0	< 5.0	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	95.7%
d8-Toluene	94.18
Bromofluorobenzene	91.7ዩ
d4-1,2-Dichlorobenzene	90.1%

FORM I



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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-G-PE-204 SAMPLE

Lab Sample ID: II78P LIMS ID: 05-12797 Matrix: Water Data Release Authorized: Reported: 08/15/05

lease Authorized: d: 08/15/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/09/05 18:32 QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	 U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	. 61	ES
75-00-3	Chloroethane	0.2	< 0.2	ប
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	36	
75-15-0	Carbon Disulfide	0.2	0.2	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	σ
75-34-3	1,1-Dichloroethane	0.2	7.7	-
156-60-5	trans-1,2-Dichloroethene	0.2	0.4	
156-59-2	cis-1,2-Dichloroethene	0.2	30	E
67-66-3	Chloroform	0.2	< 0.2	υ
107-06-2	1,2-Dichloroethane	0.2	< 0.2	υ
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1, 1, 1-Trichloroethane	0.2	< 0.2	Ŭ
56-23-5	Carbon Tetrachloride	0.2	< 0.2	Ŭ
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	Ū
78-87-5	1,2-Dichloropropane	0.2	< 0.2	Ŭ
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	Ŭ
79-01-6	Trichloroethene	0.2	< 0.2	Ū
124-48-1	Dibromochloromethane	0.2	< 0.2	Ŭ
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	Ū
71-43-2	Benzene	0.2	4.7	-
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	ប
110-75-8	2-Chloroethylvinylether	0.5	< 0.5	Ŭ
75-25-2	Bromoform	0.2	< 0.2	Ū
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	Ŭ
591-78-6	2-Hexanone	1.0	< 1.0	Ū
127-18-4	Tetrachloroethene	0.2	< 0.2	Ū
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	Ū
108-88-3	Toluene	0.2	0.5	-
108-90-7	Chlorobenzene	0.2	0.6	
100-41-4	Ethylbenzene	0.2	0.6	
100-42-5	Styrene	0.2	< 0.2	υ
75-69-4	Trichlorofluoromethane	0.2	< 0.2	υ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe		< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.2	U
95-47-6	o-Xylene	0.2	0.4	υ.
95-50-1	1,2-Dichlorobenzene	0.2	1.2	
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	υ.
106-46-7	1,4-Dichlorobenzene	0.2	0.3	0,
107-02-8	Acrolein			FT
74-88-4	Methyl Iodide	5.0	< 5.0	
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	0.2	< 0.2	U
563-58-6	1,1-Dichloropropene	1.0	< 1.0	U U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.2	< 0.2	200046
96-18-4	1,2,3-Trichloropropane	2.0	< 2.0	•
70 IU I		0.5	< 0.5	U
	FORM I			

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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 2 of 2

Sample ID: LDW-PW-G-PE-204 SAMPLE

Lab Sample ID: II78P LIMS ID: 05-12797 Matrix: Water Date Analyzed: 08/09/05 18:32

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QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	Ū
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	Ŭ
87-68-3	Hexachlorobutadiene	0.5	< 0.5	Ũ
106-93-4	Ethylene Dibromide	0.2	< 0.2	Ū
74-97-5	Bromochloromethane	0.2	< 0.2	Ū
594-20-7	2,2-Dichloropropane	0.2	< 0.2	Ū
142-28-9	1,3-Dichloropropane	0.2	< 0.2	Ū
98-82-8	Isopropylbenzene	0.2	0.3	Ŭ
103-65-1	n-Propylbenzene	0.2	< 0.2	υ
108-86-1	Bromobenzene	0.2	< 0.2	Ŭ
95-49-8	2-Chlorotoluene	0.2	< 0.2	Ŭ
106-43-4	4-Chlorotoluene	0.2	< 0.2	Ŭ
98-06-6	tert-Butylbenzene	0.2	< 0.2	Ũ
135-98-8	sec-Butylbenzene	0.2	< 0.2	Ū
99-87-6	4-Isopropyltoluene	0.2	< 0.2	Ū
104-51-8	n-Butylbenzene	0.2	< 0.2	Ū
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	Ū
91-20-3	Naphthalene	0.5	< 0.5	Ū
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	ប

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-G-PE-204 REANALYSIS

Lab Sample ID: II78P LIMS ID: 05-12797 Matrix: Water Data Release Authorized: Reported: 08/15/05

QC Report No: 1178-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Sample Amount: 5.00 mL

Purge Volume: 5.0 mL

Instrument/Analyst: NT3/JLM Date Analyzed: 08/10/05 15:26

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.0	< 1.0	U
74-83-9	Bromomethane	1.0	< 1.0	Ū
75-01-4	Vinyl Chloride	1.0	86	-
75-00-3	Chloroethane	1.0	< 1.0	U
75-09-2	Methylene Chloride	2.0	< 2.0	Ū
67-64-1	Acetone	5.0	33	•
75-15-0	Carbon Disulfide	1.0	< 1.0	ប
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
75-34-3	1,1-Dichloroethane	1.0	6.7	
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	27	-
67-66-3	Chloroform	1.0	< 1.0	ប
107-06-2	1,2-Dichloroethane	1.0	< 1.0	Ū
78-93-3	2-Butanone	5.0	< 5.0	Ū
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	บ
56-23-5	Carbon Tetrachloride	1.0	< 1.0	ប
108-05-4	Vinyl Acetate	5.0	< 5.0	U
75-27-4	Bromodichloromethane	1.0	< 1.0	Ū
78-87-5	1,2-Dichloropropane	1.0	< 1.0	Ū
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	U
124-48-1	Dibromochloromethane	1.0	< 1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	U
71-43-2	Benzene	1.0	4.2	
10061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	ប
110-75-8	2-Chloroethylvinylether	5.0	< 5.0	U
75-25-2	Bromoform	1.0	< 1.0	υ
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	υ
127-18-4	Tetrachloroethene	1.0	< 1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0	U
108-88-3	Toluene	1.0	< 1.0	U
108-90-7	Chlorobenzene	1,0	< 1.0	U
100-41-4	Ethylbenzene	1.0	< 1.0	U
100-42-5	Styrene	1.0	< 1.0	U
75-69-4	Trichlorofluoromethane	1.0	< 1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	2.0	< 2.0	Ψ
1330-20-7	m,p-Xylene	1.0	< 1.0	U
95-47-6	o-Xylene	1.0	< 1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	1.2	
541-73-1	1.3-Dichlorobenzene	1.0	< 1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0	ប
107-02-8	Acrolein	50	< 50	U
74-88-4	Methyl Iodide	1.0	< 1.0	υ
74-96-4	Bromoethane	2.0	< 2.0	U
107-13-1	Acrylonitrile	5.0	< 5.0	U
563-58-6	1,1-Dichloropropene	1.0	< 1.0	U
74-95-3	Dibromomethane	1.0	< 1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	U
00.10.0	t o Dihuana o shi susunanana	~ ~		TT

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2.0

< 5.0 U

< 2.0

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1,2-Dibromo-3-chloropropane

1,2,3-Trichloropropane

96-12-8

96-18-4



Sample ID: LDW-PW-G-PE-204 REANALYSIS

Lab Sample ID: II78P LIMS ID: 05-12797 Matrix: Water Date Analyzed: 08/10/05 15:26 QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	υ
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	U
87-68-3	Hexachlorobutadiene	5.0	< 5.0	U
106-93-4	Ethylene Dibromide	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	υ
142-28-9	1,3-Dichloropropane	1.0	< 1.0	U
98-82-8	Isopropylbenzene	1.0	< 1.0	U
103-65-1	n-Propylbenzene	1.0	< 1.0	υ
108-86-1	Bromobenzene	1.0	< 1.0	U
95-49-8	2-Chlorotoluene	1.0	< 1.0	ប
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135 - 98-8	sec-Butylbenzene	1.0	< 1.0	U
99-87-6	4-Isopropyltoluene	1.0	< 1.0	Ų
104-51-8	n-Butylbenzene	1.0	< 1.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	< 5.0	U
91-20-3	Naphthalene	5.0	< 5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	< 5.0	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	87.4%
d8-Toluene	104%
Bromofluorobenzene	86.3%
d4-1,2-Dichlorobenzene	94.1%

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Sample ID: LDW-PW-G-PZ-1 SAMPLE

Lab Sample ID: IE93E LIMS ID: 05-10748 Matrix: Water Data Release Authorized:

Instrument/Analyst: FINN3/PAB Date Analyzed: 06/23/05 12:38

. der E QC Report No: IE93-Windward Environmental Project: LDWG POREWATER

Date Sampled: 06/22/05 Date Received: 06/22/05

Sample Amount: 4.00 mL Purge Volume: 20.0 mL

	CAS Number	Analyte	RL	Result	Q	
	74-87-3	Chloromethane	1.0	< 1.0	υ	
	74-83-9	Bromomethane	1.0	< 1.0	U	
	75-01-4	Vinyl Chloride	1.0	< 1.0	U	
	75-00-3	Chloroethane	1.0	< 1.0		
	75-09-2	Methylene Chloride	1.5	< 1.5	U	
	67-64-1	Acetone	5.0	< 5.0		
	75-15-0	Carbon Disulfide	1.0	< 1.0	ប ប	
1	75-35-4	1,1-Dichloroethene				
	75-34-3	1,1-Dichloroethane	1.0	< 1.0	Ŭ	
	156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	.U.	
	156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0	U,	an an a' shara an
	67-66-3	Chloroform	1.0	1.4		· · · · · · · · · · · · · · · · · · ·
	107-06-2	1,2-Dichloroethane	1.0	< 1.0		
	78-93-3	2-Butanone	5.0	< 1.0		
	71-55-6	1,1,1-Trichloroethane	1.0	< 5.0	U	
	56-23-5	Carbon Tetrachloride	1.0	< 1.0	ប	
	108-05-4	Vinyl Acetate		< 1.0	U	
	75-27-4	Bromodichloromethane	1.0	< 1.0	U	
	78~87-5	1,2-Dichloropropane	1.0	< 1.0	U	
	10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U	
	79-01-6	Trichloroethene	1.0	< 1.0	U	
	124-48-1	Dibromochloromethane	1.0	< 1.0	U	
	79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	υ	
	71-43-2		1.0	< 1.0	U	
	10061-02-6	Benzene	1.0	< 1.0	U	
	110-75-8	trans-1,3-Dichloropropene	1.0	< 1.0	Ŭ	
	75-25-2	2-Chloroethylvinylether	2.5	< 2.5	U	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
	108-10-1	Bromoform	1.0	< 1.0	U	and the first
	591-78-6	4-Methyl-2-Pentanone (MIBK) 2-Hexanone	5.0	< 5.0	U	
	127-18-4		5.0		U	
		Tetrachloroethene	1.0	< 1.0	U	
	108-88-3	1,1,2,2-Tetrachloroethane	1.0		υ	
	L08-88-3 L08-90-7	Toluene Chlorobenzene	1.0	< 1.0	U	
	L00-41-4	· · · · ·	1.0	< 1.0	U	
	100-42-5	Ethylbenzene	1.0	< 1.0	U	
	75-69-4	Styrene	1.0		U	
	76-13-1	Trichlorofluoromethane	1.0	< 1.0	U	
	1330-20-7	1,1,2-Trichloro-1,2,2-trifluoroe			U	
		m,p-Xylene	2.0	< 2.0	υ	
	95-47-6	o-Xylene	1.0		U	
	95-50-1	1,2-Dichlorobenzene	1.0	< 1.0	U	
	41-73-1 06-46-7	1,3-Dichlorobenzene	1.0		U	
		1,4-Dichlorobenzene	1.0	< 1.0	U	
	07-02~8	Acrolein	25	< 25	U	
	4-88-4	Methyl Iodide	1.0	< 1.0	U	
	4-96-4	Bromoethane	1.0		Ŭ	
	07-13-1	Acrylonitrile	5.0		U	
2.17	63-58-6	1,1-Dichloropropene	1.0		U	
		Dibromomethane	1.0		U	
	30-20-6	1,1,1,2-Tetrachloroethane	1.0		Ũ	
	6-12-8	1,2-Dibromo-3-chloropropane	10		Ũ	
9	6-18-4	1,2,3-Trichloropropane	2.5	< 2.5	υ	
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Sample ID: LDW-PW-G-PZ-1 SAMPLE

Lab Sample ID: 1E93E LIMS ID: 05-10748 Matrix: Water Date Analyzed: 06/23/05 12:38

QC Report No: IE93-Windward Environmental Project: LDWG POREWATER

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	Ū
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	Ū
87-68-3	Hexachlorobutadiene	2.5	< 2.5	Ū
106-93-4	Ethylene Dibromide	1.0	< 1.0	Ũ
74-97-5	Bromochloromethane	1.0	< 1.0	Ū
594-20-7	2,2-Dichloropropane	1.0	< 1.0	Ũ
142-28-9	1,3-Dichloropropane	1.0	< 1.0	Ū
98-82-8	Isopropylbenzene	1.0	< 1.0	U
103-65-1	n-Propylbenzene	1.0	< 1.0	ប
L08-86-1	Bromobenzene	1.0	< 1.0	ŭ
95-49-8	2-Chlorotoluene	1.0	< 1.0	ŭ
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	ŭ
35-98-8	sec-Butylbenzene	1.0	< 1.0	ΰ
9-87-6	4-Isopropyltoluene	1.0	< 1.0	υ
.04-51-8	n-Butylbenzene	1.0	< 1.0	U
20-82-1	1,2,4-Trichlorobenzene	2.5	< 2.5	U
1-20-3	Naphthalene	2.5	< 2.5	Ŭ
87-61-6	1,2,3-Trichlorobenzene	2.5	< 2.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	109%
d8-Toluene	104%
Bromofluorobenzene	95.0%
d4-1,2-Dichlorobenzene	99.2%

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ORGANICS ANALYSIS DATA SHEET

Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2



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Sample ID: LDW-PW-G-PZ-02 SAMPLE

Lab Sample ID: IF11D LIMS ID: 05-10827 Matrix: Porewater Data Release Authorized: Reported: 06/27/05

Instrument/Analyst: FINN3/JLM Date Analyzed: 06/24/05 16:18 QC Report No: IF11-Windward Environmental Project: LDWG-Porewater 04-08-06-26 Date Sampled: 06/23/05 Date Received: 06/23/05

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result Q
74-87-3	Chloromethane	0.2	< 0.2 U
74-83-9	Bromomethane	0.2	< 0.2 U
75-01-4	Vinyl Chloride	0.2	< 0.2 U
75-00-3	Chloroethane	0.2	< 0.2 U
75-09-2	Methylene Chloride	0.3	< 0.2 U
67-64-1	Acetone	1.0	3.2 в
75-15-0	Carbon Disulfide	0.2	< 0.2 U
75-35-4	1,1-Dichloroethene	0.2	< 0.2 U
75-34-3	1,1-Dichloroethane	0.2	< 0.2 U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2 U < 0.2 U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2 ប < 0.2 ប
67-66-3	Chloroform	0.2	< 0.2 U
107-06-2	1,2-Dichloroethane	0.2	< 0.2 U < 0.2 U
78-93-3	2-Butanone	1.0	•
71-55-б	1,1,1-Trichloroethane	0.2	< 1.0 U < 0.2 U
56-23-5	Carbon Tetrachloride	0.2	< 0.2 U
108-05-4	Vinyl Acetate	0.2	
75-27-4	Bromodichloromethane	0.2	
78-87-5	1,2-Dichloropropane	0.2	< 0.2 U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2 U
79-01-6	Trichloroethene	0.2	< 0.2 U
124-48-1	Dibromochloromethane	0.2	< 0.2 Ŭ
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2 U < 0.2 U
71-43-2	Benzene	0.2	< 0.2 U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2 U < 0.2 U
110-75-8	2-Chloroethylvinylether	0.5	
75-25-2	Bromoform	0.2	
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 0.2 U < 1.0 U
591~78-6	2-Hexanone	1.0	< 1.0 U < 1.0 U
127-18-4	Tetrachloroethene	0.2	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2 U < 0.2 U
108-88-3	Toluene	0.2	
108-90-7	Chlorobenzene	0.2	
100-41-4	Ethylbenzene	0.2	
100-42-5	Styrene	0.2	
75-69-4	Trichlorofluoromethane	0.2	=
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	_
1330-20-7	m, p-Xylene	0.2	· - •
95-47-6	o-Xylene	0.4	< 0.4 U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2 U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2 Ŭ
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2 U
L07-02-8	Acrolein	0.2 5.0	< 0.2 Ŭ
74-88-4	Methyl Iodide	0.2	< 5.0 U
		0.2	< 0.2 U

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Sample ID: LDW-PW-G-PZ-02 SAMPLE

Lab Sample ID: IF11D LIMS ID: 05-10827 Matrix: Porewater Date Analyzed: 06/24/05 16:18

QC Report No: IF11-Windward Environmental Project: LDWG-Porewater 04-08-06-26

CAS Number	Analyte	RL	Result	Q
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	Ū
563-58-6	1,1-Dichloropropene	0.2	< 0.2	Ŭ
74~95-3	Dibromomethane	0.2	< 0.2	Ŭ
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	Ŭ
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	ប
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	ប
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	Ŭ
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	Ŭ
37-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	Ŭ
74-97-5	Bromochloromethane	0.2	< 0.2	Ŭ
594-20-7	2,2-Dichloropropane	0.2	< 0.2	Ŭ
L42-28-9	1,3-Dichloropropane	0.2		Ū
98-82-8	Isopropylbenzene	0.2		Ū
.03-65-1	n-Propylbenzene	0.2		Ū
08-86-1	Bromobenzene	0.2	· · · · ·	Ū
5-49-8	2-Chlorotoluene	0.2		Ū
.06-43-4	4-Chlorotoluene	0.2		Ū
8-06-6	tert-Butylbenzene	0.2		ΰ
35-98-8	sec-Butylbenzene	0.2		ប
9-87-6	4-Isopropyltoluene	0.2		ΰ
04-51-8	n-Butylbenzene	0.2		U
20-82-1	1,2,4-Trichlorobenzene	0.5		Ŭ
1-20-3	Naphthalene	0.5		Ū
7-61-6	1,2,3-Trichlorobenzene	0.5		U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	120%
d8-Toluene	105%
Bromofluorobenzene	97.5%
d4-1,2-Dichlorobenzene	102%



Sample ID: LDW-PW-G-PZ-03 SAMPLE

Lab Sample ID: IF11B LIMS ID: 05-10825 Matrix: Porewater Data Release Authorized: Reported: 06/27/05 A

Instrument/Analyst: FINN3/JLM Date Analyzed: 06/24/05 15:22

QC Report No: IF11-Windward Environmental Project: LDWG-Porewater 04-08-06-26 Date Sampled: 06/23/05 Date Received: 06/23/05

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result Q
74-87-3	Chloromethane	0.2	< 0.2 U
74-83-9	Bromomethane	0.2	< 0.2 U
75-01-4	Vinyl Chloride	0.2	
75-00-3	Chloroethane	0.2	< 0.2 U
75-09-2	Methylene Chloride	0.3	< 0.2 U
67-64-1	Acetone	1.0	2.2 B
75-15-0	Carbon Disulfide	0.2	< 0.2 U
75-35-4	1,1-Dichloroethene	0.2	< 0.2 U
75-34-3	1,1-Dichloroethane		< 0.2 U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2 U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2 U < 0.2 U
67-66-3	Chloroform	0.2	< 0.2 U
107-06-2	1,2-Dichloroethane	0.2	< 0.2 U
78-93-3	2-Butanone	1.0	< 1.0 U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2 U
56-23-5	Carbon Tetrachloride	0.2	·· +
108-05-4	Vinyl Acetate	0.2	
75-27-4	Bromodichloromethane	0.2	< 0.2 Ŭ
78-87-5	1,2-Dichloropropane	0.2	< 0.2 U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2 U
79-01-6	Trichloroethene	0.2	< 0.2 U
124-48-1	Dibromochloromethane	0.2	< 0.2 U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2 U
71-43-2	Benzene		< 0.2 U
10061-02-6	trans-1,3-Dichloropropene	0.2 0.2	< 0.2 U
110-75-8	2-Chloroethylvinylether	0.2 0.5	< 0.2 U
75-25-2	Bromoform	0.5	< 0.5 U
108-10-1	4-Methyl-2-Pentanone (MIBK)		< 0.2 U
591-78-6	2-Hexanone	1.0	< 1.0 U
127-18-4	Tetrachloroethene	$1.0 \\ 0.2$	< 1.0 U
79-34-5	1,1,2,2-Tetrachloroethane		< 0.2 U
108-88-3	Toluene	0.2 0.2	< 0.2 U
108-90-7	Chlorobenzene	0.2	< 0.2 U
100-41-4	Ethylbenzene		< 0.2 U
100-42-5	Styrene	0.2	< 0.2 U
75-69-4	Trichlorofluoromethane	0.2	< 0.2 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2 U
1330-20-7	m,p-Xylene		< 0.2 U
95-47-6	o-Xylene	0.4	< 0.4 U
€-50-1	1,2-Dichlorobenzene	0.2	< 0.2 U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2 U
06-46-7	1,4-Dichlorobenzene	0.2	< 0.2 U
.07-02-8	Acrolein	0.2	< 0.2 U
4-88-4	Methyl Iodide	5.0	< 5.0 U
	weening tootde	0.2	< 0.2 U

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Sample ID: LDW-PW-G-PZ-03 SAMPLE

Lab Sample ID: IF11B LIMS ID: 05-10825 Matrix: Porewater Date Analyzed: 06/24/05 15:22 QC Report No: IF11-Windward Environmental Project: LDWG-Porewater 04-08-06-26

CAS Number	Analyte	RL	Result	Q
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	Ŭ
563-58-6	1,1-Dichloropropene	0.2	< 0.2	Ŭ
74-95-3	Dibromomethane	0.2	< 0.2	Ŭ
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	ប
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	Ū
96-18-4	1,2,3-Trichloropropane	0.5	< 0,5	Ŭ
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	ប
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	Ŭ
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.2	Ŭ
106-93-4	Ethylene Dibromide	0.2	< 0.2	υ
74-97-5	Bromochloromethane	0.2	< 0.2	υ
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	Ŭ
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	ប
108-86-1	Bromobenzene	0.2	< 0.2	ΰ
95-49-8	2-Chlorotoluene	0.2	< 0.2	Ŭ
106-43-4	4-Chlorotoluene	0.2	< 0.2	Ŭ
98-06-6	tert-Butylbenzene	0.2	< 0.2	Ŭ
135-98-8	sec-Butylbenzene	0.2	< 0.2	Ŭ
99-87-6	4-Isopropyltoluene	0.2	< 0.2	Ŭ
104-51-8	n-Butylbenzene	0.2	< 0.2	ប័
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	υ
91-20-3	Naphthalene	0.5	< 0.5	ប
87 - 61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	ΰ

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

110%	
104%	
102%	
101%	
	104% 102%

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Sample ID: LDW-PW-G-PZ-4 SAMPLE

Lab Sample ID: IE93D LIMS ID: 05-10747 Matrix: Water Data Release Authorized: // Reported: 06/24/05

Instrument/Analyst: FINN3/PAB Date Analyzed: 06/23/05 14:32

QC Report No: IE93-Windward Environmental Project: LDWG POREWATER

Date Sampled: 06/22/05 Date Received: 06/22/05

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	Ū
74-83-9	Bromomethane	0.2	< 0.2	ប
75-01-4	Vinyl Chloride	0.2	1.6	
75-00-3	Chloroethane	0.2	< 0.2	Ū
75-09-2	Methylene Chloride	0.3	< 0.3	U
57-64-1	Acetone	1.0	1.4	
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4		0.2	< 0.2	์ ซี (
75-34-3	1,1-Dichloroethane	0.2	< 0.2	ับ
156-60-5	•	0.2	< 0.2	ບໍ່
156-59-2		0.2	2.0	-
57-66-3	Chloroform	0.2	< 0.2	Ŭ
L07-06-2	1,2-Dichloroethane	0.2	< 0.2	Ŭ
78-93-3	2-Butanone	1.0	< 1.0	υ
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
6-23-5		0.2	< 0.2	U U
.08-05-4	Vinyl Acetate	0.2	< 0.2	υ
	Bromodichloromethane	0.2	< 0.2	ប
75-27-4	1,2-Dichloropropane	0.2	< 0.2	υ
78-87-5			< 0.2	Ŭ
0061-01-5	cis-1,3-Dichloropropene	0.2		
9-01-6	Trichloroethene	0.2	< 0,2	บ บ
24-48-1	Dibromochloromethane	0.2	< 0.2 < 0.2	
9-00-5	1,1,2-Trichloroethane	0.2		U
1-43-2	Benzene	0.2	< 0.2	U
0061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
10-75-8	2-Chloroethylvinylether	0.5	< 0.5	υ
5-25-2	Bromoform	0.2	< 0.2	υ
.08-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	ប
91-78-6	2-Hexanone	1.0	< 1.0	ប
27-18-4	Tetrachloroethene	0.2	< 0.2	υ
9-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
.08-88-3	Toluene	0.2	< 0.2	U
08-90-7	Chlorobenzene	0.2	< 0.2	U
00-41-4	Ethylbenzene	0.2	< 0.2	U
00-42-5	Styrene	0.2	< 0.2	U
5-69-4	Trichlorofluoromethane	0.2	< 0.2	U
6-13-1	1,1,2-Trichloro-1,2,2-trifluoroe		< 0.2	υ
330-20-7	m,p-Xylene	0.4	< 0.4	U
5-47-6	o-Xylene	0.2	< 0.2	U
5-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
41-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
06-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
07-02-8	Acrolein	5.0	< 5.0	U
4-88-4	Methyl Iodide	0.2	< 0.2	ប
4-96-4	Bromoethane	0.2	< 0.2	ប
07-13-1	Acrylonitrile	1.0	< 1.0	U
63-58-6	1,1-Dichloropropene	0.2	< 0.2	U
4-95-3	Dibromomethane	0.2	< 0.2	U
30-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	Ŭ
6-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	ប
6-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
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Sample ID: LDW-PW-G-PZ-4 SAMPLE

Lab Sample ID: IE93D LIMS ID: 05-10747 Matrix: Water

QC Report No: IE93-Windward Environmental Project: LDWG POREWATER

Date Analyzed: 06/23/05 14:32

CAS Number	Analyte	RĹ	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	ប
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	Ū
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	Ŭ
87-68-3	Hexachlorobutadiene	0.5	< 0.5	Ū
106-93-4	Ethylene Dibromide	0.2	< 0.2	Ū
74-97-5	Bromochloromethane	0.2	< 0.2	ΰ
594-20-7	2,2-Dichloropropane	0.2	< 0.2	υ
142-28-9	1,3-Dichloropropane	0.2	< 0.2	ŭ
98-82-8	Isopropylbenzene	0.2	< 0.2	Ŭ
103-65-1	n-Propylbenzene	0.2	< 0.2	υ
108-86-1	Bromobenzene	0.2	< 0.2	υ
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	ບໍ່
98-06-6	tert-Butylbenzene	0.2	< 0.2	Ŭ
135-98-8	sec-Butylbenzene	0.2	< 0.2	υ
9-87-6	4-Isopropyltoluene	0.2	< 0.2	ບໍ
l04-51-8	n-Butylbenzene	0.2	< 0.2	ឋ
20-82-1	1,2,4-Trichlorobenzene	0.5	< 0.2	υ
91-20-3	Naphthalene	0.5	< 0.5	บ บ
37-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	122%
d8-Toluene	103%
Bromofluorobenzene	98.0%
d4-1,2-Dichlorobenzene	104%

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ANALYTICAL RESOURCES

ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-G-PZ-05 SAMPLE

Lab Sample ID: IF11A LIMS ID: 05-10824 Matrix: Porewater Data Release Authorized: Reported: 06/27/05

Instrument/Analyst: FINN3/JLM Date Analyzed: 06/24/05 14:53 QC Report No: IF11-Windward Environmental Project: LDWG-Porewater 04-08-06-26 Date Sampled: 06/23/05 Date Received: 06/23/05

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	υ
74-83-9	Bromomethane	0.2		Ū
75-01-4	Vinyl Chloride	0.2		Ū
75-00-3	Chloroethane	0.2	< 0.2	Ū
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	3.3	в
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0,2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59 - 2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	1.0	< 1.0	Ū
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	Ū
56-23-5	Carbon Tetrachloride	0.2		Ū
108-05-4	Vinyl Acetate	0.2		Ū
75-27-4	Bromodichloromethane	0.2		Ū
78-87-5	1,2-Dichloropropane	0.2		Ŭ
10061-01-5	cis-1,3-Dichloropropene	0.2		σ
79-01-6	Trichloroethene	0.2	•	U U
124-48-1	Dibromochloromethane	0.2		J
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2 1	-
71-43-2	Benzene	0.2		J
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2 t	-
110-75-8	2-Chloroethylvinylether	0.5	< 0.5 U	-
75-25-2	Bromoform	0.2	< 0.2 0	-
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0 U	
591-78-6	2-Hexanone	1.0	< 1.0 U	-
127-18-4	Tetrachloroethene	0.2	< 0.2 U	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2 U	-
108-88-3	Toluene	0.2	< 0.2 U	
L08-90-7	Chlorobenzene	0.2	< 0.2 U	
L00-41-4	Ethylbenzene	0.2	< 0.2 U	
L00-42-5	Styrene	0.2	< 0.2 U	
75-69-4	Trichlorofluoromethane	0.2	< 0.2 U	
6-13-1	1,1,2-Trichloro-1,2,2-trifluoroe		< 0.2 U	
330-20-7	m,p-Xylene	0.4	< 0.4 U	
5-47-6	o-Xylene	0.2	< 0.2 U	
5-50-1	1,2-Dichlorobenzene	0.2	< 0.2 U	
41-73-1	1,3-Dichlorobenzene	0.2	< 0.2 U	
06-46-7	1,4-Dichlorobenzene	0.2	< 0.2 U	
07-02-8	Acrolein	5.0	< 0.2 U < 5.0 U	
4-88-4	Methyl Iodide			
±-00≈£	metnyi iodide	0.2	< 0.2 U	

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Sample ID: LDW-PW-G-PZ-05 SAMPLE

Lab Sample ID: IF11A LIMS ID: 05-10824 Matrix: Porewater Date Analyzed: 06/24/05 14:53

QC Report No: IF11-Windward Environmental Project: LDWG-Porewater 04-08-06-26

CAS Number	Analyte	RL	Result	Q
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	Ū
563-58-6	1,1-Dichloropropene	0.2	< 0.2	Ū
74-95-3	Dibromomethane	0.2	< 0.2	Ū
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	Ū
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	Ū
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	Ū
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	Ū
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	Ŭ
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	Ū
87-68-3	Hexachlorobutadiene	0.5	< 0.5	Ŭ
106-93-4	Ethylene Dibromide	0.2	< 0.2	Ū
74-97-5	Bromochloromethane	0.2	< 0.2	ប
594-20-7	2,2-Dichloropropane	0.2	< 0.2	Ŭ
142-28-9	1,3-Dichloropropane	0.2	< 0.2	Ũ
98-82-8	Isopropylbenzene	0.2	< 0.2	Ū
103-65-1	n-Propylbenzene	0.2	< 0.2	ŭ
108-86-1	Bromobenzene	0.2	< 0.2	Ŭ
95-49-8	2-Chlorotoluene	0.2	< 0.2	ΰ
106-43-4	4-Chlorotoluene	0.2	< 0.2	Ŭ
98-06-6	tert-Butylbenzene	0.2	< 0.2	Ŭ
135-98-8	sec-Butylbenzene	0.2	< 0.2	Ŭ
99~87-6	4-Isopropyltoluene	0.2	< 0.2	Ū
104-51-8	n-Butylbenzene	0.2	< 0.2	Ū
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	Ũ
91-20-3	Naphthalene	0.5	< 0.5	Ū
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	Ŭ

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	118%
d8-Toluene	104%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	104%

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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-G-PZ-06 SAMPLE

Lab Sample ID: IF11C LIMS ID: 05-10826 Matrix: Porewater Data Release Authorized: Reported: 06/27/05

Instrument/Analyst: FINN3/JLM Date Analyzed: 06/24/05 15:50 QC Report No: IF11-Windward Environmental Project: LDWG-Porewater 04-08-06-26 Date Sampled: 06/23/05 Date Received: 06/23/05

Sample Amount: 4.00 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result Q
74-87-3	Chloromethane	1.0	< 1.0 U
74-83-9	Bromomethane	1.0	< 1.0 U
75-01-4	Vinyl Chloride	1.0	< 1.0 U
75-00-3	Chloroethane	1.0	< 1.0 U
75-09-2	Methylene Chloride	1.5	< 1.5 U
67-64-1	Acetone	5.0	6.2 B
75-15-0	Carbon Disulfide	1.0	< 1.0 U
75-35-4	1,1-Dichloroethene	1.0	< 1.0 U
75-34-3	1,1-Dichloroethane	1.0	< 1.0 U
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0 U
156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0 U
67-66-3	Chloroform	1.0	< 1.0 U
107-06-2	1,2-Dichloroethane	1.0	< 1.0 U
78-93-3	2-Butanone	5.0	< 5.0 U
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0 U
56-23 - 5	Carbon Tetrachloride	1.0	< 1.0 U
108-05-4	Vinyl Acetate	1.0	< 1.0 U
75-27-4	Bromodichloromethane	1.0	< 1.0 U
78-87-5	1,2-Dichloropropane	1.0	< 1.0 U
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0 U
79-01-6	Trichloroethene	1.0	< 1.0 U
124-48-1	Dibromochloromethane	1.0	< 1.0 U
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0 U
71-43-2	Benzene	1.0	< 1.0 U
L0061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0 U
L10-75-8	2-Chloroethylvinylether	2.5	< 2.5 U
75-25-2	Bromoform	1.0	< 1.0 U
08-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0 U
91-78-6	2-Hexanone	5.0	< 5.0 U
.27-18-4	Tetrachloroethene	1.0	< 1.0 U
9-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0 U
.08-88-3	Toluene	1.0	< 1.0 U
08-90-7	Chlorobenzene	1.0	< 1.0 U
00-41-4	Ethylbenzene	1.0	< 1.0 U
00-42~5	Styrene	1.0	< 1.0 U
5-69-4	Trichlorofluoromethane	1.0	< 1.0 U
6-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	1 0	< 1.0 U
330-20-7	m,p-Xylene	2.0	< 1.0 U < 2.0 U
5-47-6	o-Xylene	1.0	< 1.0 U
5-50-1	1,2-Dichlorobenzene	1.0	
41-73-1	1,3-Dichlorobenzene	1.0	
06-46-7	1,4-Dichlorobenzene		< 1.0 U
07-02-8	Acrolein	1.0 25	< 1.0 U
4-88-4			< 25 U
4-88-4	Methyl Iodide	1.0	< 1.0 U

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Sample ID: LDW-PW-G-PZ-06 SAMPLE

Lab Sample ID: IF11C LIMS ID: 05-10826 Matrix: Porewater Date Analyzed: 06/24/05 15:50

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QC Report No: IF11-Windward Environmental Project: LDWG-Porewater 04-08-06-26

CAS Number	Analyte	RL	Result	Q
74-96-4	Bromoethane	1.0	< 1.0	U
107-13-1	Acrylonitrile	5.0	< 5.0	Ū
563-58-6	1,1-Dichloropropene	1.0	< 1.0	Ū
74-95-3	Dibromomethane	1.0	< 1.0	ΰ
630-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	Ū
96-12-8	1,2-Dibromo-3-chloropropane	10	< 10	Ū
96-18-4	1,2,3-Trichloropropane	2.5	< 2.5	υ
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	Ŭ
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	ບັ
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	Ŭ
87-68-3	Hexachlorobutadiene	2.5	< 2.5	Ŭ
106-93-4	Ethylene Dibromide	1.0	< 1.0	Ŭ
74-97-5	Bromochloromethane	1.0	< 1.0	Ŭ
594-20-7	2,2-Dichloropropane	1.0	< 1.0	Ŭ
142-28-9	1,3-Dichloropropane	1.0	< 1.0	Ŭ
98-82-8	Isopropylbenzene	1.0	< 1.0	ប័
103-65-1	n-Propylbenzene	1.0	< 1.0	ŭ
108-86-1	Bromobenzene	1.0	< 1.0	Ŭ
95-49-8	2-Chlorotoluene	1.0	< 1.0	Ū
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	Ū
135-98-8	sec-Butylbenzene	1.0	< 1.0	Ŭ
99-87-6	4-Isopropyltoluene	1.0	< 1.0	ប
104-51-8	n-Butylbenzene	1.0	< 1.0	Ũ
120-82-1	1,2,4-Trichlorobenzene	2.5	< 2.5	Ū
91-20-3	Naphthalene	2.5	< 2.5	ប
87-61-6	1,2,3-Trichlorobenzene	2.5	< 2.5	υ

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	94.5%
d8-Toluene	100%
Bromofluorobenzene	92.0%
d4-1,2-Dichlorobenzene	102%

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ANALYTICAL RESOURCES

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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: LDW-PW-PE-01-EB SAMPLE

Lab Sample ID: II78U LIMS ID: 05-12802 Matrix: Water Data Release Authorized: Reported: 08/15/05

Instrument/Analyst: FINN1/PAB

Date Analyzed: 08/10/05 14:04

QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 08/01/05 Date Received: 08/01/05

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	: Q
74-87-3	Chloromethane	0.2	< 0.2	. U
74-83-9	Bromomethane	0.2	< 0.2	
75-01-4	Vinyl Chloride	0.2	< 0.2	
75-00-3	Chloroethane	0.2	< 0.2	
75-09-2	Methylene Chloride	0.3	< 0.3	-
67-64-1	Acetone	1.0	48	
75-15-0	Carbon Disulfide	0.2	< 0.2	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	
75-34~3	1,1-Dichloroethane	0.2	< 0.2	
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	-
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	
67~66-3	Chloroform	0.2	< 0.2	-
107-06-2	1,2-Dichloroethane	0.2	< 0.2	
78-93-3	2-Butanone	1.0	1.5	U
71-55~6	1,1,1-Trichloroethane	0.2	< 0.2	TT
56-23-5	Carbon Tetrachloride	0.2	< 0.2	-
108-05-4	Vinyl Acetate	0.2	< 0.2	U U
75-27-4	Bromodichloromethane	0.2	< 0.2	
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2		U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane		< 0.2	U
1-43-2	Benzene	0.2	< 0.2	U
L0061-02-6	trans-1,3-Dichloropropene	0.2	1.3	
10-75-8	2-Chloroethylvinylether	0.2	< 0.2	U
5-25-2	Bromoform	0.5	< 0.5	U.
.08-10-1	4-Methyl-2-Pentanone (MIBK)	0.2	< 0.2	ប
91-78-6	2-Hexanone	1.0	< 1.0	U
.27-18-4	Tetrachloroethene	1.0	< 1.0	U
9-34-5		0.2	< 0.2	U
.08-88-3	1,1,2,2-Tetrachloroethane Toluene	0.2	< 0.2	U
08-90-7	Chlorobenzene	0.2	< 0.2	U
00-41-4		0.2	< 0.2	U
00-42-5	Ethylbenzene	0.2	0.4	
	Styrene	0.2	< 0.2	U
5-69-4	Trichlorofluoromethane	0.2	< 0.2	U
6-13-1	1,1,2-Trichloro-1,2,2-trifluoroe		< 0.2	U
330-20-7	m,p-Xylene	0.4	1.8	
5-47-6	o-Xylene	0.2	1.5	
5~50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
41-73-1	1,3-Dichlorobenzene	0.2	< 0.2	υ
06-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
07-02-8	Acrolein	5.0	< 5.0	υ
4-88-4	Methyl Iodide	0.2	< 0.2	υ
4-96-4	Bromoethane	0.2	< 0.2	U
07-13-1	Acrylonitrile	1.0	< 1.0	Ŭ
53-58-6	1,1-Dichloropropene	0.2	< 0.2	υ
1-95-3	Dibromomethane	0.2	< 0.2	U ·
30-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
5-12-8 5-18-4	1,2-Dibromo-3-chloropropane 1,2,3-Trichloropropane	2.0	< 2.0	ΰ

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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 2 of 2

Sample ID: LDW-PW-PE-01-EB SAMPLE

Lab Sample ID: II78U LIMS ID: 05-12802 Matrix: Water Date Analyzed: 08/10/05 14:04

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QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	1.0	-
95-63-6	1,2,4-Trimethylbenzene	0.2	3.1	
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	Ū
74-97-5	Bromochloromethane	0.2	< 0.2	Ŭ
594-20-7	2,2-Dichloropropane	0.2	< 0.2	Ŭ
142-28-9	1,3-Dichloropropane	0.2	< 0.2	Ŭ
98-82-8	Isopropylbenzene	0.2	< 0.2	Ū
103-65-1	n-Propylbenzene	0.2	0.4	-
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	Ū
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	Ū
135-98-8	sec-Butylbenzene	0.2	< 0.2	Ū
99-87-6	4-Isopropyltoluene	0.2	< 0.2	Ū
.04-51-8	n-Butylbenzene	0.2	0.2	_
L20-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
1-20-3	Naphthalene	0.5	1.4	-
7-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	89.8%
d8-Toluene	99.2%
Bromofluorobenzene	90.8%
d4-1,2-Dichlorobenzene	97.8%

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Sample ID: LDW-PW-PZ-EPARB SAMPLE

Lab Sample ID: IE93F LIMS ID: 05-10749 Matrix: Water Data Release Authorized: Reported: 06/24/05

Instrument/Analyst: FINN3/PAB Date Analyzed: 06/23/05 14:51

LDWG Pore

water DR - Appenda 8

QC Report No: IE93-Windward Environmental Project: LDWG POREWATER

Date Sampled: 06/22/05 Date Received: 06/22/05

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	ΰ
75-01-4	Vinyl Chloride	0.2	0.5	-
75-00-3	Chloroethane	0.2	< 0.2	υ
75-09-2	Methylene Chloride	0.3	< 0.3	Ū
67-64-1	Acetone	1.0	5.0	•
75-15-0	Carbon Disulfide	0.2	< 0.2	Ų
75-35-4	1,1-Dichloroethene	0.2	< 0.2	ບັ
75-34-3	1,1-Dichloroethane	0.2	< 0.2	ບ່
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	Ū
156-59-2	cis-1,2-Dichloroethene	0.2	0.9	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	Ŭ
78-93-3	2-Butanone	1.0	< 1.0	Ŭ
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	Ŭ
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	ΰ
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	ΰ
79-01-6	Trichloroethene	0.2	< 0.2	ΰ
124-48-1	Dibromochloromethane	0.2		
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether		< 0.2	U
75-25-2	Bromoform	0.5	< 0.5	U
L08-10-1		0.2	< 0.2	U
591-78-6	4-Methyl-2-Pentanone (MIBK) 2-Hexanone	1.0	< 1.0	U
L27-18-4	Tetrachloroethene	1.0	< 1.0	Ŭ
79-34-5		0.2	< 0.2	U
	l,1,2,2-Tetrachloroethane Toluene	0.2	< 0.2	U
L08-88-3		0.2	0.5	
108-90-7	Chlorobenzene	0.2	< 0.2	U
00-41-4	Ethylbenzene	0.2	< 0.2	U
.00-42-5	Styrene	0.2	< 0.2	υ
5-69-4	Trichlorofluoromethane	0.2	0.3	
6-13-1	1,1,2-Trichloro-1,2,2-trifluoroe		< 0.2	U
330-20-7	m,p-Xylene	0.4	< 0.4	U
5-47-6	o-Xylene	0.2	< 0.2	U
5-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
41-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
06-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
07-02-8	Acrolein	5.0	< 5.0	U
4-88-4	Methyl Iodide	0.2	< 0.2	U
4~96-4	Bromoethane	0.2	< 0.2	U
07-13-1	Acrylonitrile	1.0	< 1.0	υ
63-58-6	1,1-Dichloropropene	0.2	< 0.2	U
4-95-3	Dibromomethane	0.2	< 0.2	U
30-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
6-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	Ŭ
6-18-4	1,2,3-Trichloropropane	0.5	< 0.5	υ
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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 2 of 2

Sample ID: LDW-PW-PZ-EPARB SAMPLE

Lab Sample ID: IE93F LIMS ID: 05-10749 Matrix: Water Date Analyzed: 06/23/05 14:51 QC Report No: IE93-Windward Environmental Project: LDWG POREWATER

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	Ū
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	Ū
74-97-5	Bromochloromethane	0.2	< 0.2	Ū
594-20-7	2,2-Dichloropropane	0.2	< 0.2	Ū
142-28-9	1,3-Dichloropropane	0.2	< 0.2	Ū
98-82-8	Isopropylbenzene	0.2	< 0.2	υ
103-65-1	n-Propylbenzene	0.2	< 0.2	Ū
108-86-1	Bromobenzene	0.2	< 0.2	Ū
95-49-8	2-Chlorotoluene	0.2	< 0.2	Ū
106-43-4	4-Chlorotoluene	0.2	< 0.2	Ū
98-06-6	tert-Butylbenzene	0.2	< 0.2	Ū
135-98-8	sec-Butylbenzene	0.2	< 0.2	ບັ
99-87-6	4-Isopropyltoluene	0.2	< 0.2	Ū
104-51-8	n-Butylbenzene	0.2	< 0.2	ΰ
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	Ū
91-20-3	Naphthalene	0.5	< 0.5	Ŭ
37-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	Ū

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichlorcethane	105%
d8-Toluene	105%
Bromofluorobenzene	1018
d4-1,2-Dichlorobenzene	104%

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SAMPLE

Lab Sample ID: IE93G LIMS ID: 05-10750 Matrix: Water Data Release Authorized: // Reported: 06/24/05 QC Report No: IE93-Windward Environmental Project: LDWG POREWATER

Date Sampled: 06/22/05 Date Received: 06/22/05

Instrument/Analyst: FINN3/PAB Date Analyzed: 06/23/05 15:18 Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q	
74-87-3	Chloromethane	0.2	< 0.2	 U	
74-83-9	Bromomethane	0.2	< 0.2	Ū	
75-01-4	Vinyl Chloride	0.2	< 0.2	Ū ·	
75-00-3	Chloroethane	0.2	< 0.2	Ū	
75-09-2	Methylene Chloride	0.3	< 0.3	Ū	
67-64-1	Acetone	1.0	4.6	-	
75-15-0	Carbon Disulfide	0.2	< 0.2	υ	
75-35~4	1,1-Dichloroethene	0.2	< 0.2	ບັ	
75-34-3	1,1-Dichloroethane	0.2	< 0.2	Ū	
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	Ū	
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	Ū	
67-66-3	Chloroform	0.2	< 0.2	Ū	
107-06-2	1,2-Dichloroethane	0.2	< 0.2	Ū	
78-93-3	2-Butanone	1.0	< 1.0	Ū	
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	Ŭ	
56-23-5	Carbon Tetrachloride	0.2	< 0.2	ប	
108-05-4	Vinyl Acetate	0.2	< 0.2	Ŭ	
75-27-4	Bromodichloromethane	0.2	< 0.2	ប	
78-87-5	1,2-Dichloropropane	0.2	< 0.2	υ	
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	Ŭ	
79-01-6	Trichloroethene	0.2	< 0.2	υ	
124-48-1	Dibromochloromethane	0.2	< 0.2	υ	
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	บ บ	
71-43-2	Benzene	0.2			
10061-02-6	trans-1,3-Dichloropropene		< 0.2		
110-75-8	2-Chloroethylvinylether	0.2	< 0.2	U	
75-25-2	Bromoform	0.5	< 0.5	U	
108-10-1	4-Methyl-2-Pentanone (MIBK)	0.2	< 0.2	U	
591-78-6	2-Hexanone	1.0	< 1.0	ប	
127-18-4	Tetrachloroethene	1.0	< 1.0	U	
79-34-5		0.2	< 0.2	ប	
108-88-3	1,1,2,2-Tetrachloroethane Toluene	0.2	< 0.2	ប	
108-90-7	Chlorobenzene	0.2	0.4	~~	
100-41-4	Ethylbenzene	0.2	< 0.2	ប	
100-42-5	Styrene	0.2	< 0.2	U	
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U	
76-13-1		0.2	< 0.2	U	
1330-20-7	1,1,2-Trichloro-1,2,2-trifluoroe		< 0.2	Ŭ	
95-47-6	m,p-Xylene	0.4	< 0.4	U	
	o-Xylene	0.2	< 0.2	Ŭ	
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	υ	
541~73-1	1,3-Dichlorobenzene	0.2	< 0.2	U	
L06-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U	
107-02-8	Acrolein	5.0	< 5.0	U	
4-88-4	Methyl Iodide	0.2	< 0.2	U .	
4-96-4	Bromoethane	0.2	< 0.2	U	
107-13-1	Acrylonitrile	1.0	< 1.0	U	
63-58-6	1,1-Dichloropropene	0.2	< 0.2	U	
74-95-3	Dibromomethane	0.2	< 0.2	U	
30-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	υ	
06-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	U	
6-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U	• •
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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 2 of 2

Sample ID: LDW-PW-PZ-MHERB SAMPLE

Lab Sample ID: IE93G LIMS ID: 05-10750 Matrix: Water Date Analyzed: 06/23/05 15:18 QC Report No: IE93-Windward Environmental Project: LDWG POREWATER

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	ប
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	Ū
594-20-7	2,2-Dichloropropane	0.2	< 0.2	Ū
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	Ū
103-65-1	n-Propylbenzene	0.2	< 0.2	Ū
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	Ū
106-43-4	4-Chlorotoluene	0.2	< 0.2	Ū
98-06-6	tert-Butylbenzene	0.2	< 0.2	Ū
135-98-8	sec-Butylbenzene	0.2	< 0.2	Ū
99-87-6	4-Isopropyltoluene	0.2	< 0.2	Ū
104-51-8	n-Butylbenzene	0.2	< 0.2	Ũ
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	Ŭ
91-20-3	Naphthalene	0.5	< 0.5	Ū
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	Ŭ

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	118%
d8-Toluene	1048
Bromofluorobenzene	99.5%
d4-1,2-Dichlorobenzene	97.8%

FORM I

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ANALYTICAL RESOURCES

ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: TRIP BLANK SAMPLE

Lab Sample ID: IE93H LIMS ID: 05-10751 Matrix: Water Data Release Authorized: Reported: 05/24/05 QC Report No: IE93-Windward Environmental Project: LDWG POREWATER

Date Sampled: 06/13/05 Date Received: 06/22/05

Instrument/Analyst: FINN3/PABSample Amount: 20.0 mLDate Analyzed: 06/23/05 15:45Purge Volume: 20.0 mL

CAS Number Analyte RL Result Q 74-87-3 Chloromethane, 0.2 < 0.2 IT 74-83-9 Bromomethane 0.2 < 0.2 U 75-01-4 Vinyl Chloride 0.2 < 0.2 U 75-00-3 < 0.2 Chloroethane 0.2 U 75-09-2 Methylene Chloride 0.3 < 0.3 U 67-64-1 Acetone 1.0 < 1.0 τī 75-15-0 Carbon Disulfide 0.2 < 0.2 τī 75-35-4 1,1-Dichloroethene 0.2 < 0.2 U 75-34-3 1,1-Dichloroethane 0.2 < 0.2 TT < 0.2 156-60-5 trans-1,2-Dichloroethene 0.2 ŨĬ 156-59-2 cis-1,2-Dichloroethene 0.2 < 0.2 U 67-66-3 < 0.2 Chloroform 0.2 JT. 107-06-2 1,2-Dichloroethane 0.2 < 0.2 ប 78-93-3 2-Butanone 1.0 < 1.0 U 71-55-6 1,1,1-Trichloroethane 0.2 < 0.2 τī Carbon Tetrachloride < 0.2 56-23-5 0.2 τī Vinyl Acetate 108 - 05 - 40.2 < 0.2 1T 75-27-4 Bromodichloromethane 0.2 < 0.2 U 78-87-5 1,2-Dichloropropane 0.2 < 0.2 H cis-1,3-Dichloropropene < 0.2 10061-01-5 0.2 ĪΤ 79-01-6 Trichloroethene 0.2 < 0.2 Π 124-48-1 Dibromochloromethane < 0.2 0.2 IJ 79-00-5 1,1,2-Trichloroethane 0.2 < 0.2 U 71-43-2 Benzene 0.2 < 0.2 τī trans-1,3-Dichloropropene 10061-02-6 0.2 < 0.2 tī 110-75-8 2-Chloroethylvinylether 0.5 < 0.5 υ 75-25-2 Bromoform 0.2 < 0.2 TT 108-10-1 4-Methyl-2-Pentanone (MIBK) 1.0 < 1.0 U 591-78-6 2-Hexanone 1.0 < 1.0 U 127-18-4 Tetrachloroethene 0.2 < 0.2 11 79-34-5 1,1,2,2-Tétrachloroethane 0.2 < 0.2 U Toluene < 0.2 108 - 88 - 30.2 U 108 - 90 - 7Chlorobenzene 0.2 < 0.2 U 100-41-4 Ethylbenzene 0.2 < 0.2 Ū 100-42-5 Styrene 0.2 < 0.2 U 75-69-4 Trichlorofluoromethane 0.2 < 0.2 U 76-13-1 1,1,2-Trichloro-1,2,2-trifluoroe 0.2 < 0.2 П 1330-20-7 m,p-Xylene 0.4 < 0.4 11 95-47-6 o-Xylene 0.2 < 0.2 U 95-50-1 1,2-Dichlorobenzene 0.2 < 0.2 U 1,3-Dichlorobenzene 0.2 < 0.2 541-73-1 IJ 106-46-7 1,4-Dichlorobenzene 0.2 < 0.2 U 107-02-8 Acrolein 5.0 < 5.0 U 74-88-4 Methyl Iodide 0.2 < 0.2 U 74-96-4 Bromoethane 0.2 < 0.2 U Acrylonitrile 1.0 < 1.0 107-13-1 U 1,1-Dichloropropene < 0.2 563-58-6 0.2 U < 0.2 TI 74-95-3 Dibromomethane 0.2 1,1,1,2-Tetrachloroethane 0.2 < 0.2 U 630-20-6 96-12-8 1,2-Dibromo-3-chloropropane 2.0 < 2.0 U 96-18-4 1,2,3-Trichloropropane 0.5 < 0.5 U 000021

FORM I



Sample ID: TRIP BLANK SAMPLE

Lab Sample ID: 1E93H LIMS ID: 05-10751 Matrix: Water Date Analyzed: 06/23/05 15:45

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QC Report No: IE93-Windward Environmental Project: LDWG POREWATER

Analyte	RL	Result	Q
trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
1,3,5-Trimethylbenzene	0.2	< 0.2	Ŭ
1,2,4-Trimethylbenzene	0.2	< 0.2	U
Hexachlorobutadiene	0.5	< 0.5	υ
Ethylene Dibromide	0.2	< 0.2	U
Bromochloromethane	0.2	< 0.2	υ
2,2-Dichloropropane	0.2	< 0.2	U
1,3-Dichloropropane	0.2	< 0.2	U
Isopropylbenzene	0.2	< 0.2	U
n-Propylbenzene	0.2	< 0.2	U
Bromobenzene	0.2	< 0.2	U
2-Chlorotoluene	0.2	< 0.2	U
4-Chlorotoluene	0.2	< 0.2	U
tert-Butylbenzene	0.2	< 0.2	U
sec-Butylbenzene	0.2	< 0.2	υ
4-Isopropyltoluene	0.2	< 0.2	U
n-Butylbenzene	0.2	< 0.2	U
1,2,4-Trichlorobenzene	0.5	< 0.5	U
Naphthalene	0.5	< 0.5	ប
1,2,3-Trichlorobenzene	0.5	< 0.5	U
	1,3,5-Trimethylbenzene 1,2,4-Trimethylbenzene Hexachlorobutadiene Ethylene Dibromide Bromochloromethane 2,2-Dichloropropane 1,3-Dichloropropane Isopropylbenzene n-Propylbenzene Bromobenzene 2-Chlorotoluene 4-Chlorotoluene tert-Butylbenzene sec-Butylbenzene 4-Isopropyltoluene n-Butylbenzene 1,2,4-Trichlorobenzene Naphthalene	1,3,5-Trimethylbenzene0.21,2,4-Trimethylbenzene0.2Hexachlorobutadiene0.5Ethylene Dibromide0.2Bromochloromethane0.22,2-Dichloropropane0.21,3-Dichloropropane0.2Isopropylbenzene0.2Bromobenzene0.22-Chlorotoluene0.24-Chlorotoluene0.2sec-Butylbenzene0.2n-Butylbenzene0.21,2,4-Trichlorobenzene0.20,50.5	1,3,5-Trimethylbenzene 0.2 < 0.2

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	100%
d8-Toluene	105%
Bromofluorobenzene	97.0%
d4-1,2-Dichlorobenzene	101%



Sample ID: TRIP BLANK SAMPLE

Lab Sample ID: IE76D LIMS ID: 05-10646 Matrix: Water Data Release Authorized: Reported: 06/29/05 QC Report No: IE76-Windward Environmental Project: LDWG Porewater 04-08-06-26 Date Sampled: 06/07/05 Date Received: 06/21/05

Instrument/Analyst: FINN3/PAB Date Analyzed: 06/23/05 18:29 Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	ប
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	U
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	υ
75-34-3	1,1-Dichloroethane	0.2	< 0.2	Ū
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	Ū
156~59-2	cis-1,2-Dichloroethene	0.2	< 0.2	ΰ
67-66-3	Chloroform	0.2	< 0.2	Ū
107-06-2	1,2-Dichloroethane	0.2	< 0.2	Ū
78-93-3	2-Butanone	1.0	< 1.0	Ŭ
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	Ŭ
56-23-5	Carbon Tetrachloride	0.2	< 0.2	Ŭ
108-05-4	Vinyl Acetate	0.2	< 0.2	U
75-27-4	Bromodichloromethane	0.2	< 0.2	Ŭ
78-87-5	1,2-Dichloropropane	0.2	< 0.2	ប
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	υ
79-01-6	Trichloroethene	0.2	< 0.2	Ŭ
124-48-1	Dibromochloromethane	0.2	< 0.2	Ŭ
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	บ
71-43-2	Benzene	0.2	< 0.2	Ŭ
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	ΰ
110-75-8	2-Chloroethylvinylether	0.5	< 0.2	U
75-25-2	Bromoform	0.2	< 0.2	ΰ
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0	< 1.0	υ
591-78-6	2-Hexanone	1.0	< 1.0	ΰ
127-18-4	Tetrachloroethene	0.2	< 0.2	ប
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2		ប
108-90-7	Chlorobenzene	0.2	< 0.2	U U
L00-41-4	Ethylbenzene		< 0.2	-
100-42-5	-	0.2	< 0.2	U
75-69-4	Styrene Trichlorofluoromethane	0.2	< 0.2	U
76-13-1		0.2		ប
	1,1,2-Trichloro-1,2,2-trifluoroe			U
1330-20-7	m,p-Xylene	0.4	< 0.4	U
95-47-6 95-50-1	o-Xylene	0.2		U
5-50-1 541-73-1	1,2-Dichlorobenzene	0.2		ប
	1,3-Dichlorobenzene	0.2		U
.06-46-7	1,4-Dichlorobenzene Acrolein	0.2		U
.07-02-8		5.0	< 5.0	U
4-88-4 4-96-4	Methyl Iodide	0.2		U
	Bromoethane	0.2		U
.07-13-1	Acrylonitrile	1.0		U
63~58-6	1,1-Dichloropropene	0.2		U
4-95-3	Dibromomethane	0.2		U
30-20-6	1,1,1,2-Tetrachloroethane	0.2		U
6-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	ប
6-18-4	1,2,3-Trichloropropane	0.5	< 0.500	001.

FORM I



Sample ID: TRIP BLANK SAMPLE

Lab Sample ID: IE76D LIMS ID: 05-10646 Matrix: Water Date Analyzed: 06/23/05 18:29 QC Report No: IE76-Windward Environmental Project: LDWG Porewater 04-08-06-26

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	IJ
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	Ū
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	Ū
87-68-3	Hexachlorobutadiene	0.5	< 0.5	υ
106-93-4	Ethylene Dibromide	0.2	< 0.2	ប
74-97-5	Bromochloromethane	0.2	< 0.2	Ū
594-20-7	2,2-Dichloropropane	0.2	< 0.2	σ
142-28-9	1,3-Dichloropropane	0.2	< 0.2	υ
98-82-8	Isopropylbenzene	0.2	< 0.2	ម
103-65-1	n-Propylbenzene	0.2	< 0.2	U
L08-86-1	Bromobenzene	0.2	< 0.2	υ
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	Ŭ
8-06-6	tert-Butylbenzene	0.2	< 0.2	Ū
.35-98-8	sec-Butylbenzene	0.2	< 0.2	Ŭ
9-87-6	4-Isopropyltoluene	0.2	< 0.2	ΰ
.04-51-8	n-Butylbenzene	0.2	< 0.2	U
20-82-1	1,2,4-Trichlorobenzene	0.5	< 0.2	Ŭ
1-20-3	Naphthalene	0.5	< 0.5	U
7-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

FORM I

98.5%	
1028	
95.2%	
104%	
	102% 95.2%

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ANALYTICAL RESOURCES

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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 1 of 2

Sample ID: Trip Blank SAMPLE

Lab Sample ID: IF11E LIMS ID: 05-10828 Matrix: Water Data Release Authorized: Reported: 06/27/05

Instrument/Analyst: FINN3/JLM Date Analyzed: 06/24/05 16:46 QC Report No: IF11-Windward Environmental Project: LDWG-Porewater 04-08-06-26 Date Sampled: 06/09/05 Date Received: 06/23/05

Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	υ·
75-09-2	Methylene Chloride	0.3	< 0.3	Ų
67-64-1	Acetone	1.0	1.2	в
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	ប
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	Ū
107-06-2	1,2-Dichloroethane	0.2	< 0.2	υ
78-93-3	2-Butanone	1.0	< 1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	Ű
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	0.2	< 0.2	ប
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	Ū
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	Ū
79-01-6	Trichloroethene	0.2	< 0.2	Ū
124-48-1	Dibromochloromethane	0.2	< 0.2	Ū
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	Ū
71-43-2	Benzene	0.2	< 0.2	Ū
L0061-02-6	trans-1,3-Dichloropropene	0.2		Ŭ
10-75-8	2-Chloroethylvinylether	0.5	< 0.5	Ŭ
/5-25-2	Bromoform	0.2		Ū
108-10-1	4-Methyl-2-Pentanone (MIBK)	1.0		ប
591-78-6	2-Hexanone	1.0		ប
27-18-4	Tetrachloroethene	0.2		ប
9-34-5	1,1,2,2-Tetrachloroethane	0.2		Ŭ
.08-88-3	Toluene	0.2		ប
.08-90-7	Chlorobenzene	0.2		Ŭ
.00-41-4	Ethylbenzene	0.2		σ
00-42-5	Styrene	0.2		Ŭ
5-69-4	Trichlorofluoromethane	0.2		Ŭ
6-13-1	1,1,2-Trichloro-1,2,2-trifluoroe			Ŭ
330-20-7	m,p-Xylene	0.4		Ŭ
5-47-6	o-Xylene	0.2		បី
5-50-1	1,2-Dichlorobenzene	0.2		υ
41-73-1	1,3-Dichlorobenzene	0.2		υ
06-46-7	1,4-Dichlorobenzene	0.2		υ
07-02-8	Acrolein	5.0		U
4-88-4	Methyl Iodide	0.2		U U



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Lab Sample ID: IF11E LIMS ID: 05-10828 Matrix: Water Date Analyzed: 06/24/05 16:46 Sample ID: Trip Blank SAMPLE

QC Report No: IF11-Windward Environmental Project: LDWG-Porewater 04-08-06-26

CAS Number	Analyte	RL	Result Q
74-96-4	Bromoethane	0.2	< 0.2 U
107-13-1	Acrylonitrile	1.0	< 1.0 U
563-58-6	1,1-Dichloropropene	0.2	< 0.2 U
74-95-3	Dibromomethane	0.2	< 0.2 U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2 U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0 U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5 U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0 U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2 U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2 U
87-68-3	Hexachlorobutadiene	0.5	< 0.5 U
106-93-4	Ethylene Dibromide	0.2	< 0.2 U
74-97-5	Bromochloromethane	0.2	< 0.2 U
594-20-7	2,2-Dichloropropane	0.2	< 0.2 U
142-28-9	1,3-Dichloropropane	0.2	< 0.2 U
98-82-8	Isopropylbenzene	0.2	< 0.2 U
103-65-1	n-Propylbenzene	0.2	< 0.2 U
108-86-1	Bromobenzene	0.2	< 0.2 U
95-49-8	2-Chlorotoluene	0.2	< 0.2 U
106-43-4	4-Chlorotoluene	0.2	< 0.2 U
98-06-6	tert-Butylbenzene	0.2	< 0.2 U
135-98-8	sec-Butylbenzene	0.2	< 0.2 U
99-87-6	4-Isopropyltoluene	0.2	< 0.2 U
104-51-8	n-Butylbenzene	0.2	< 0.2 U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5 U
91-20-3	Naphthalene	0.5	< 0.5 U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5 U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	1078
d8-Toluene	1028
Bromofluorobenzene	97.2%
d4-1,2-Dichlorobenzene	104%

FORM I



Sample ID: TRIP BLANKS SAMPLE

Lab Sample ID: II78V LIMS ID: 05-12803 Matrix: Water Data Release Authorized: Reported: 08/15/05

QC Report No: II78-Windward Environmental Project: LDW

Date Sampled: 06/07/05 Date Received: 08/01/05

Instrument/Analyst: FINN1/PAB Date Analyzed: 08/10/05 15:05 Sample Amount: 20.0 mL Purge Volume: 20.0 mL

CAS Number	Analyte	RL	Result	Q
74~87-3	Chloromethane	0.2	< 0.2	U
74-83-9	Bromomethane	0.2	< 0.2	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.3	< 0.3	ប
67-64-1	Acetone	1.0	< 1.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	υ
75-35-4	1,1-Dichloroethene	0.2	< 0.2	Ū
75-34-3	1,1-Dichloroethane	0.2	< 0.2	Ū
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	Ū
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	Ũ
67-66-3	Chloroform	0.2	< 0.2	Ŭ
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone		< 1.0	υ
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	υ
56-23-5	Carbon Tetrachloride	0.2	< 0.2	ΰ
108-05-4	Vinyl Acetate	0.2	< 0.2	Ū
75-27-4	Bromodichloromethane	0.2	< 0.2	U U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	UUU
124-48-1	Dibromochloromethane	0.2		
79-00-5	1,1,2-Trichloroethane		< 0.2	U
71-43-2	Benzene	0.2 0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene		< 0.2	U H
110-75-8	2-Chloroethylvinylether	0.2	< 0.2	U
75-25-2	Bromoform	0.5	< 0.5	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	0.2	< 0.2	U
591-78-6	2-Hexanone	1.0	< 1.0	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U
79-34-5		0.2	< 0.2	U
	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	ប
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
1330-20-7	m,p-Xylene	0.4	< 0.4	υ
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	ប
74-88-4	Methyl Iodide	0.2	< 0,2	U
74-96-4	Bromoethane	0.2	< 0.2	υ
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	Ū
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	Ū
96-12-8	1,2-Dibromo-3-chloropropane	2.0	< 2.0	Ŭ
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	
	FORM I	- • -		^ა იიიი

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ORGANICS ANALYSIS DATA SHEET Volatiles by Purge & Trap GC/MS-Method SW8260B Page 2 of 2

Sample ID: TRIP BLANKS SAMPLE

Lab Sample ID: II78V LIMS ID: 05-12803 Matrix: Water Date Analyzed: 08/10/05 15:05

QC Report No: II78-Windward Environmental Project: LDW

CAS Number	Analyte	RL	Result	Q
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	υ
87-68-3	Hexachlorobutadiene	0.5	< 0.5	Ū
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	Ū
142-28-9	1,3-Dichloropropane	0.2	< 0.2	Ū
98-82-8	Isopropylbenzene	0.2	< 0.2	Ū
103-65-1	n-Propylbenzene	0.2	< 0.2	Ū
108-86-1	Bromobenzene	0.2	< 0.2	Ū
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87 -6	4-Isopropyltoluene	0.2	< 0.2	υ
l04-51 - 8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	ប
91-20-3	Naphthalene	0.5	< 0.5	U
37-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in $\mu g/L$ (ppb)

Volatile Surrogate Recovery

FORM I

d4-1,2-Dichloroethane	102%
d8-Toluene	102%
Bromofluorobenzene	91.5%
d4-1,2-Dichlorobenzene	106%