

R M Haak Dairy (complete data set)

Revised February 2012

Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
SO-01	10154231		Ammonia Solid	10100		mg/Kg
			Kjedahl Nitrogen/Solid	29700		mg/Kg
			NO3N/Total Solid	0.32	U	mg/Kg
		<i>Pesticides</i>	2,3,4,5-Tetrachlorophenol	96	U	ug/Kg
			2,3,4,6-Tetrachlorophenol	96	U	ug/Kg
			2,4,5-T	96	U	ug/Kg
			2,4,5-Trichlorophenol	96	U	ug/Kg
			2,4,6-Trichlorophenol	96	UJ	ug/Kg
			2,4-D	37	J	ug/Kg
			2,4-DB	96	U	ug/Kg
			3,5-Dichlorobenzoic acid	96	U	ug/Kg
			4-Nitrophenol	97	U	ug/Kg
			Acifluorfen	96	UJ	ug/Kg
			Alachlor	720	U	ug/Kg
			Atrazine	720	U	ug/Kg
			Azinphos-methyl	720	UJ	ug/Kg
			Bentazon	96	U	ug/Kg
			Benzonitrile, 2,6-dichloro-	720	U	ug/Kg
			Bromoxynil	96	U	ug/Kg
			Chloramben	96	UJ	ug/Kg
			Chlorpyrifos, Ethyl	720	U	ug/Kg
			Clopyralid	96	U	ug/Kg
			DACTHAL-DCPA	7	J	ug/Kg
			Diazinon	720	U	ug/Kg
			Dicamba	4.9	J	ug/Kg
			Dichlorprop	96	U	ug/Kg
			Diclofop, Methyl	96	U	ug/Kg
			Dinoseb	96	UJ	ug/Kg
			Diuron	720	UJ	ug/Kg
			Endosulfan I	720	U	ug/Kg
			Endosulfan II	720	U	ug/Kg
			Endosulfan Sulfate	720	U	ug/Kg
			Fenhexamid	720	UJ	ug/Kg
			Fenpropathrin	720	U	ug/Kg
			Imidan	720	UJ	ug/Kg
			Ioxynil	96	U	ug/Kg
			Kresoxim-methyl	720	U	ug/Kg
			MCPA	96	U	ug/Kg
			MCPP	96	U	ug/Kg
			Metribuzin	720	UJ	ug/Kg
			Myclobutanil	720	U	ug/Kg
			Oxyfluorfen	720	U	ug/Kg
			Pendimethalin	720	U	ug/Kg
			Pentachlorophenol	96	U	ug/Kg
			Picloram	96	U	ug/Kg
			Propargite	720	U	ug/Kg
			Silvex	96	U	ug/Kg
			Simazine	720	U	ug/Kg
			SURFLAN	1400	UJ	ug/Kg
			Terbacil	720	U	ug/Kg
			Trichlorpyr	96	U	ug/Kg
			Triflumizole	720	U	ug/Kg
			Trifluralin	720	U	ug/Kg

R M Haak Dairy (complete data set)

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
		<i>Steroids / Hormones</i>	11-Keto Testosterone	0.1	U	ug/Kg
			17a-Hydroxyprogesterone	0.1	U	ug/Kg
			17alpha-trenbolone	0.1	U	ug/Kg
			17beta-estradiol	0.1	U	ug/Kg
			17beta-trenbolone	0.1	U	ug/Kg
			4-Androstenedione	2.08		ug/Kg
			a-Estradiol	2.39		ug/Kg
			Androstenedione	0.1	U	ug/Kg
			Androsterone	0.1	U	ug/Kg
			a-Zearalanol	17.4		ug/Kg
			a-Zearalenol	0.1	U	ug/Kg
			b-Zearalanol	0.1	U	ug/Kg
			b-Zearalenol	0.1	U	ug/Kg
			Epitestosterone	0.1	U	ug/Kg
			Estriol	0.1	U	ug/Kg
			Estrone	0.1	U	ug/Kg
			Ethynyl Estradiol	6.3		ug/Kg
			Melengesterol Acetate	0.44		ug/Kg
			Progesterone	2.83		ug/Kg
			Testosterone	0.1	U	ug/Kg
		<i>Veterinary Pharmaceuticals</i>	Chlortetracycline(total)	0.5	U	ug/Kg
			Erythromycin	0.5	U	ug/Kg
			Lincomycin	17.1		ug/Kg
			Monensin	441		ug/Kg
			Oxytetracycline	4.5		ug/Kg
			Ractopamine	0.5	U	ug/Kg
			Sulfachloropyridazine	0.5	U	ug/Kg
			Sulfadimethoxine	0.5	U	ug/Kg
			Sulfamerazine	0.5	U	ug/Kg
			Sulfamethazine	0.5	U	ug/Kg
			Sulfamethazole	0.5	U	ug/Kg
			Sulfamethoxazole	0.5	U	ug/Kg
			Sulfathiazole	0.5	U	ug/Kg
			Tetracycline	178		ug/Kg
			Tiamulin	0.5	U	ug/Kg
			Tylosin	0.5	U	ug/Kg
			Virginiamycin	0.5	U	ug/Kg
		<i>Wastewater Pharmaceuticals</i>	Acetaminophen	100	U	ug/Kg
			Amphetamine	50	U	ug/Kg
			Azithromycin	NR		ug/Kg
			Caffeine	50	U	ug/Kg
			Carbamazepine	50	U	ug/Kg
			Cotinine	50	U	ug/Kg
			DEET	50	U	ug/Kg
			Diphenhydramine	50	U	ug/Kg
			Ibuprofen	50	U	ug/Kg
			Methamphetamine	50	U	ug/Kg
			Naproxen	50	U	ug/Kg
			Paraxanthine	50	U	ug/Kg
			Thiabendazole	50	U	ug/Kg
			Triclosan	50	U	ug/Kg

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
SO-02	10154232		Ammonium-N	4.6		mg/Kg
			Nitrate-N/Nitrite	71.7		mg/Kg
			Total Nitrogen/Solid	2760		mg/Kg
		<i>Pesticides</i>				
			2,3,4,5-Tetrachlorophenol	24	U	ug/Kg
			2,3,4,6-Tetrachlorophenol	24	U	ug/Kg
			2,4,5-T	24	U	ug/Kg
			2,4,5-Trichlorophenol	24	U	ug/Kg
			2,4,6-Trichlorophenol	24	UJ	ug/Kg
			2,4-D	24	U	ug/Kg
			2,4-DB	24	U	ug/Kg
			3,5-Dichlorobenzoic acid	24	U	ug/Kg
			4-Nitrophenol	1400	J	ug/Kg
			Acifluorfen	24	UJ	ug/Kg
			Alachlor	20	U	ug/Kg
			Atrazine	1.1	J	ug/Kg
			Azinphos-methyl	20	UJ	ug/Kg
			Bentazon	24	U	ug/Kg
			Benzonitrile, 2,6-dichloro-	20	U	ug/Kg
			Bromoxynil	24	U	ug/Kg
			Chloramben	24	UJ	ug/Kg
			Chlorpyrifos, Ethyl	1.3	J	ug/Kg
			Clopyralid	24	U	ug/Kg
			DACTHAL-DCPA	24	U	ug/Kg
			Diazinon	20	U	ug/Kg
			Dicamba	24	U	ug/Kg
			Dichlorprop	24	U	ug/Kg
			Diclofop, Methyl	24	U	ug/Kg
			Dinoseb	24	UJ	ug/Kg
			Diuron	3.2	J	ug/Kg
			Endosulfan I	20	U	ug/Kg
			Endosulfan II	20	U	ug/Kg
			Endosulfan Sulfate	1.3	J	ug/Kg
			Fenhexamid	20	UJ	ug/Kg
			Fenpropathrin	20	U	ug/Kg
			Imidan	20	UJ	ug/Kg
			Ioxynil	24	U	ug/Kg
			Kresoxim-methyl	20	U	ug/Kg
			MCPA	24	U	ug/Kg
			MCPP	24	U	ug/Kg
			Metribuzin	20	UJ	ug/Kg
			Myclobutanil	20	U	ug/Kg
			Oxyfluorfen	20	U	ug/Kg
			Pendimethalin	20	U	ug/Kg
			Pentachlorophenol	1	J	ug/Kg
			Picloram	24	U	ug/Kg
			Propargite	20	U	ug/Kg
			Silvex	24	U	ug/Kg
			Simazine	20	U	ug/Kg
			SURFLAN	39	UJ	ug/Kg
			Terbacil	20	U	ug/Kg
			Trichlorpyr	24	U	ug/Kg
			Triflumizole	20	U	ug/Kg

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			Trifluralin	20	U	ug/Kg
		<i>Steroids / Hormones</i>	11-Keto Testosterone	0.1	U	ug/Kg
			17a-Hydroxyprogesterone	0.1	U	ug/Kg
			17alpha-trenbolone	0.1	U	ug/Kg
			17beta-estradiol	0.1	U	ug/Kg
			17beta-trenbolone	0.1	U	ug/Kg
			4-Androstenedione	0.16		ug/Kg
			a-Estradiol	0.24		ug/Kg
			Androstenedione	0.1	U	ug/Kg
			Androsterone	0.1	U	ug/Kg
			a-Zearalanol	0.1	U	ug/Kg
			a-Zearalenol	0.1	U	ug/Kg
			b-Zearalanol	0.1	U	ug/Kg
			b-Zearalenol	0.1	U	ug/Kg
			Epitestosterone	0.1	U	ug/Kg
			Estriol	0.1	U	ug/Kg
			Estrone	0.1	U	ug/Kg
			Ethynyl Estradiol	0.1	U	ug/Kg
			Melengesterol Acetate	0.1	U	ug/Kg
			Progesterone	0.1	U	ug/Kg
			Testosterone	0.1	U	ug/Kg
		<i>Veterinary Pharmaceuticals</i>	Chlortetracycline(total)	45.6		ug/Kg
			Erythromycin	0.5	U	ug/Kg
			Lincomycin	0.5	U	ug/Kg
			Monensin	2.9		ug/Kg
			Oxytetracycline	2.4		ug/Kg
			Ractopamine	0.5	U	ug/Kg
			Sulfachloropyridazine	0.5	U	ug/Kg
			Sulfadimethoxine	1		ug/Kg
			Sulfamerazine	0.5	U	ug/Kg
			Sulfamethazine	0.5	U	ug/Kg
			Sulfamethazole	0.5	U	ug/Kg
			Sulfamethoxazole	0.5	U	ug/Kg
			Sulfathiazole	0.5	U	ug/Kg
			Tetracycline	26.9		ug/Kg
			Tiamulin	0.5	U	ug/Kg
			Tylosin	0.5	U	ug/Kg
			Virginiamycin	0.5	U	ug/Kg
		<i>Wastewater Pharmaceuticals</i>	Acetaminophen	100	U	ug/Kg
			Amphetamine	50	U	ug/Kg
			Azithromycin	NR		ug/Kg
			Caffeine	50	U	ug/Kg
			Carbamazepine	50	U	ug/Kg
			Cotinine	50	U	ug/Kg
			DEET	50	U	ug/Kg
			Diphenhydramine	50	U	ug/Kg
			Ibuprofen	50	U	ug/Kg
			Methamphetamine	50	U	ug/Kg
			Naproxen	50	U	ug/Kg
			Paraxanthine	50	U	ug/Kg
			Thiabendazole	50	U	ug/Kg

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			Triclosan	50	U	ug/Kg
LG-01	10154251		Ammonia (NH3+NH4) as N	1000	J	mg/L
			Nitrate+Nitrite as N	1	UJ	mg/L
			Total Kjeldahl Nitrogen	1200	J	mg/L
		<i>Bacteria</i>	Fecal Coliform	TNTC		CFU/100 m
			BAC32		Present	
			<i>Bacteroides</i> PCR (ruminant)	CF 128	Present	
			<i>Bacteroides</i> PCR (ruminant)	CF 193	ND	
			<i>Bacteroides</i> PCR (human)	HF 134	Absent	
			<i>Bacteroides</i> PCR (human)	HF 183	Present	
		<i>General Chemistry</i>	Alkalinity as CaCO3	3820		mg/L
			Bromide	10	U	mg/L
			Chloride	473		mg/L
			Fluoride	2	U	mg/L
			Phosphorus, total	39.6		mg/L
			Sulfate	257		mg/L
		<i>Metals</i>	Arsenic	180	U	ug/L
			Barium	297		ug/L
			Cadmium	12	U	ug/L
			Calcium	148000		ug/L
			Chromium	40	U	ug/L
			Copper	575		ug/L
			Iron	9000		ug/L
			Lead	100	U	ug/L
			Magnesium	116000		ug/L
			Manganese	1370		ug/L
			Mercury	0.25	UJ	ug/L
			Potassium	1660000		ug/L
			Selenium	200	U	ug/L
			Silver	40	U	ug/L
			Sodium	437000		ug/L
			Zinc	1790		ug/L
		<i>Wastewater Organics</i>	1,4-dichlorobenzene	2	U	ug/L
			1-methylnaphthalene	2	UJ	ug/L
			2,2',4,4'-tetrabromodiphenyl ether	2	U	ug/L
			2,6-dimethylnaphthalene	2	UJ	ug/L
			2-methylnaphthalene	2	UJ	ug/L
			3,4-dichlorophenyl isocyanate	2	U	ug/L
			3-beta-coprostanol	95.6	J	ug/L
			3-methyl-1h-indole (skatol)	22.2	J	ug/L
			3-tert-butyl-4-hydroxyanisole (bha)	0.2	UJ	ug/L
			4-cumylphenol	2	U	ug/L
			4-n-octylphenol	2	U	ug/L
			4-nonylphenol monoethoxylate - total (np1eo)	48	J	ug/L
			4-octylphenol diethoxylate (op2eo)	2	U	ug/L
			4-octylphenol monoethoxylate (op1eo)	2	U	ug/L
			4-tert-octylphenol	2	U	ug/L
			5-methyl-1h-benzotriazole	1.6	UJ	ug/L
			acetophenone	2	U	ug/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			acetyl-hexamethyl-tetrahydro-naphthalene (ahtn)	2	U	ug/L
			anthracene	2	UJ	ug/L
			anthraquinone	2	U	ug/L
			atrazine	2	U	ug/L
			benz[a]pyrene	2	UJ	ug/L
			benzophenone	2	UJ	ug/L
			beta-sitosterol	104	J	ug/L
			beta-stigmastanol	135	J	ug/L
			bis-(2-ethylhexyl) phthalate (dehp)	2	U	ug/L
			bisphenol a	2	U	ug/L
			bromacil	2	U	ug/L
			bromoform	2	U	ug/L
			caffeine	2	UJ	ug/L
			camphor	2	U	ug/L
			carbaryl	2	U	ug/L
			carbazole	2	U	ug/L
			chlorpyrifos	2	U	ug/L
			cholesterol	243	J	ug/L
			cotinine	0.8	UJ	ug/L
			diazinon	2	U	ug/L
			dichlorvos	2	U	ug/L
			diethoxynonylphenols- total (np2eo)	66	J	ug/L
			diethyl phthalate	2	U	ug/L
			d-limonene	2	U	ug/L
			fluoranthene	2	UJ	ug/L
			hexahydrohexamethyl cyclopentabenzopyran (hhcb)	2	U	ug/L
			indole	2	U	ug/L
			isoborneol	2	U	ug/L
			isophorone	2	U	ug/L
			isopropylbenzene (cumene)	2	U	ug/L
			isoquinoline	2	U	ug/L
			menthol	2	U	ug/L
			metalaxyl	2	U	ug/L
			methyl salicylate	2.24	J	ug/L
			metolachlor	2	U	ug/L
			n,n-diethyl-meta-toluamide (deet)	2	U	ug/L
			naphthalene	2	UJ	ug/L
			para-nonylphenol total	2	U	ug/L
			p-cresol	25600	J	ug/L
			pentachlorophenol	32	U	ug/L
			phenanthrene	2	UJ	ug/L
			phenol	1970	J	ug/L
			prometon	2	U	ug/L
			pyrene	2	UJ	ug/L
			tetrachloroethylene	2	U	ug/L
			tri(2-butoxyethyl) phosphate	2	U	ug/L
			tri(2-chloroethyl) phosphate	2	U	ug/L
			tri(dichloroisopropyl) phosphate	2	U	ug/L
			tributyl phosphate	2	U	ug/L
			triclosan	2	U	ug/L
			triethyl citrate (ethyl citrate)	2	U	ug/L
			triphenyl phosphate	2	U	ug/L

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		<i>Pesticides</i>	Due to matrix interference the laboratory could not provide quantitative results for the pesticide analysis of the lagoon sludge samples.			
		<i>Hormones</i>	17-a-estradiol	10320		ng/L
			17-a-ethynyl-estradiol	38.3	U	ng/L
			17-b-estradiol	86.8		ng/L
			Estriol	8.8	U	ng/L
			Estrone	2660		ng/L
		<i>Steroids / Hormones</i>	11-Keto Testosterone	0.002	U	ug/L
			17a-Hydroxyprogesterone	0.002	U	ug/L
			17alpha-trenbolone	0.002	U	ug/L
			17beta-estradiol	0.002	U	ug/L
			17beta-trenbolone	0.002	U	ug/L
			4-Androstenedione	0.196		ug/L
			a-Estradiol	7.401		ug/L
			Androstenedione	0.002	UJ	ug/L
			Androsterone	1.48	J	ug/L
			a-Zearalanol	1.643	J	ug/L
			a-Zearalenol	0.002	UJ	ug/L
			b-Zearalanol	0.002	UJ	ug/L
			b-Zearalenol	0.002	U	ug/L
			Epitestosterone	0.002	U	ug/L
			Estriol	0.002	U	ug/L
			Estrone	0.994	J	ug/L
			Ethynyl Estradiol	0.002	U	ug/L
			Melengesterol Acetate	0.002	U	ug/L
			Progesterone	0.806	J	ug/L
			Testosterone	0.032		ug/L
		<i>Veterinary Pharmaceuticals</i>	Chlortetracycline(total)	0.02	R	ug/L
			Erythromycin	0.02	UJ	ug/L
			Lincomycin	0.02	UJ	ug/L
			Monensin	44.97	J	ug/L
			Oxytetracycline	0.02	R	ug/L
			Ractopamine	0.081	J	ug/L
			Sulfachloropyridazine	0.02	UJ	ug/L
			Sulfadimethoxine	0.38	J	ug/L
			Sulfamerazine	0.02	UJ	ug/L
			Sulfamethazine	0.071	J	ug/L
			Sulfamethazole	0.06	J	ug/L
			Sulfamethoxazole	0.02	UJ	ug/L
			Sulfathiazole	0.305	J	ug/L
			Tetracyline	1.96	J	ug/L
			Tiamulin	0.02	UJ	ug/L
			Tylosin	0.381	J	ug/L
			Virginiamycin	0.02	UJ	ug/L
		<i>Wastewater Pharmaceuticals</i>	Acetaminophen	0.2	U	ug/L
			Amphetamine	0.2	R	ug/L
			Azithromycin	0.2	U	ug/L
			Caffeine	0.2	U	ug/L
			Carbamazepine	0.2	UJ	ug/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			Cotinine	0.2	U	ug/L
			DEET	0.2	U	ug/L
			Diphenhydramine	0.2	U	ug/L
			Ibuprofen	0.2	U	ug/L
			Methamphetamine	0.2	R	ug/L
			Naproxen	0.2	U	ug/L
			Paraxanthine	0.2	U	ug/L
			Thiabendazole	4.7	J	ug/L
			Triclosan	0.2	U	ug/L
		<i>Isotopes</i>	Nitrate	<0.1		mg/L
			δ15N-NO3	NM		‰
			Ammonia	907		mg/L
			δ15N-NH4	3.37		‰
			δ18O-NO3	NM		‰ SMOW
LG-02	10154252		Ammonia (NH3+NH4) as N	870	J	mg/L
			Nitrate+Nitrite as N	1.2	J	mg/L
			Total Kjeldahl Nitrogen	1400	J	mg/L
		<i>Bacteria</i>	Escherichia coli	130000	J	per100ml
			Fecal Coliform	TNTC		CFU/100 m
			BAC32		Present	
			<i>Bacteroides</i> PCR (ruminant)	CF 128	Present	
			<i>Bacteroides</i> PCR (ruminant)	CF 193	ND	
			<i>Bacteroides</i> PCR (human)	HF 134	Present	
			<i>Bacteroides</i> PCR (human)	HF 183	ND	
		<i>General Chemistry</i>	Alkalinity as CaCO3	6340		mg/L
			Bromide	10	U	mg/L
			Chloride	616		mg/L
			Fluoride	2	U	mg/L
			Phosphorus, total	118		mg/L
			Sulfate	15	U	mg/L
		<i>Metals</i>	Arsenic	170	U	ug/L
			Barium	931		ug/L
			Cadmium	11	U	ug/L
			Calcium	409000		ug/L
			Chromium	88		ug/L
			Copper	1850		ug/L
			Iron	16700		ug/L
			Lead	95	U	ug/L
			Magnesium	236000		ug/L
			Manganese	3970		ug/L
			Mercury	0.25	UJ	ug/L
			Potassium	2100000		ug/L
			Selenium	190	U	ug/L
			Silver	38	U	ug/L
			Sodium	501000		ug/L
			Zinc	5410		ug/L
		<i>Wastewater Organics</i>	1,4-dichlorobenzene	2	UJ	ug/L
			1-methylnaphthalene	2	R	ug/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			2,2',4,4'-tetrabromodiphenyl ether	2	UJ	ug/L
			2,6-dimethylnaphthalene	2	UJ	ug/L
			2-methylnaphthalene	2	R	ug/L
			3,4-dichlorophenyl isocyanate	2	UJ	ug/L
			3-beta-coprostanol	48.2	J	ug/L
			3-methyl-1h-indole (skatol)	40.9	J	ug/L
			3-tert-butyl-4-hydroxyanisole (bha)	2	UJ	ug/L
			4-cumylphenol	2	R	ug/L
			4-n-octylphenol	2	R	ug/L
			4-nonylphenol monoethoxylate - total (np1eo)	39.5	J	ug/L
			4-octylphenol diethoxylate (op2eo)	2	R	ug/L
			4-octylphenol monoethoxylate (op1eo)	2	R	ug/L
			4-tert-octylphenol	2	R	ug/L
			5-methyl-1h-benzotriazole	2	UJ	ug/L
			acetophenone	2	R	ug/L
			acetyl-hexamethyl-tetrahydro-naphthalene (ahtn)	2	UJ	ug/L
			anthracene	2	R	ug/L
			anthraquinone	2	UJ	ug/L
			atrazine	2	UJ	ug/L
			benz[a]pyrene	2	R	ug/L
			benzophenone	2	UJ	ug/L
			beta-sitosterol	77.6	J	ug/L
			beta-stigmastanol	77.5	J	ug/L
			bis-(2-ethylhexyl) phthalate (dehp)	2	U	ug/L
			bisphenol a	2	R	ug/L
			bromacil	2	UJ	ug/L
			bromoform	2	UJ	ug/L
			caffeine	2	UJ	ug/L
			camphor	2	U	ug/L
			carbaryl	2	UJ	ug/L
			carbazole	2	UJ	ug/L
			chlorpyrifos	2	UJ	ug/L
			cholesterol	81.4	J	ug/L
			cotinine	2	UJ	ug/L
			diazinon	2	UJ	ug/L
			dichlorvos	2	UJ	ug/L
			diethoxynonylphenols- total (np2eo)	41.6	J	ug/L
			diethyl phthalate	2	UJ	ug/L
			d-limonene	2	UJ	ug/L
			fluoranthene	2	R	ug/L
			hexahydrohexamethyl cyclopentabenzopyran (hhcb)	2	UJ	ug/L
			indole	2	UJ	ug/L
			isoborneol	2	UJ	ug/L
			isophorone	2	UJ	ug/L
			isopropylbenzene (cumene)	2	UJ	ug/L
			isoquinoline	0.224	J	ug/L
			menthol	2	UJ	ug/L
			metalaxyl	2	UJ	ug/L
			methyl salicylate	2	UJ	ug/L
			metolachlor	2	UJ	ug/L
			n,n-diethyl-meta-toluamide (deet)	2	UJ	ug/L
			naphthalene	2	R	ug/L
			para-nonylphenol total	35.5	J	ug/L
			p-cresol	5480	J	ug/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			pentachlorophenol	2	R	ug/L
			phenanthrene	2	R	ug/L
			phenol	1100	J	ug/L
			prometon	2	UJ	ug/L
			pyrene	2	R	ug/L
			tetrachloroethylene	2	UJ	ug/L
			tri(2-butoxyethyl) phosphate	2	UJ	ug/L
			tri(2-chloroethyl) phosphate	2	UJ	ug/L
			tri(dichloroisopropyl) phosphate	2	UJ	ug/L
			tributyl phosphate	2	UJ	ug/L
			triclosan	2	J	ug/L
			triethyl citrate (ethyl citrate)	2	UJ	ug/L
			triphenyl phosphate	2	UJ	ug/L
		<i>Pesticides</i>	Due to matrix interference the laboratory could not provide quantitative results for the pesticide analysis of the lagoon sludge samples.			
		<i>Hormones</i>	17-a-estradiol	1610		ng/L
			17-a-ethynyl-estradiol	20	U	ng/L
			17-b-estradiol	18	J	ng/L
			Estriol	8.8	U	ng/L
			Estrone	1920		ng/L
		<i>Steroids / Hormones</i>	11-Keto Testosterone	0.002	U	ug/L
			17a-Hydroxyprogesterone	0.002	U	ug/L
			17alpha-trenbolone	0.002	U	ug/L
			17beta-estradiol	0.002	U	ug/L
			17beta-trenbolone	0.002	U	ug/L
			4-Androstenedione	0.35		ug/L
			a-Estradiol	0.374		ug/L
			Androstenedione	0.074	J	ug/L
			Androsterone	0.002	UJ	ug/L
			a-Zearalanol	1.181	J	ug/L
			a-Zearalenol	0.002	UJ	ug/L
			b-Zearalanol	0.002	UJ	ug/L
			b-Zearalenol	0.002	U	ug/L
			Epitestosterone	0.002	U	ug/L
			Estriol	0.002	U	ug/L
			Estrone	0.002	UJ	ug/L
			Ethynyl Estradiol	0.002	U	ug/L
			Melengesterol Acetate	0.002	U	ug/L
			Progesterone	0.532	J	ug/L
			Testosterone	0.002	U	ug/L
		<i>Veterinary Pharmaceuticals</i>	Chlortetracycline(total)	0.067	J	ug/L
			Erythromycin	0.02	UJ	ug/L
			Lincomycin	0.02	UJ	ug/L
			Monensin	1086	J	ug/L
			Oxytetracycline	0.02	R	ug/L
			Ractopamine	0.085	J	ug/L
			Sulfachloropyridazine	0.02	UJ	ug/L
			Sulfadimethoxine	4.68	J	ug/L
			Sulfamerazine	0.117	J	ug/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			Sulfamethazine	0.109	J	ug/L
			Sulfamethazole	0.02	UJ	ug/L
			Sulfamethoxazole	0.02	UJ	ug/L
			Sulfathiazole	0.312	J	ug/L
			Tetracycline	5.83	J	ug/L
			Tiamulin	0.02	UJ	ug/L
			Tylosin	1.85	J	ug/L
			Virginiamycin	0.02	UJ	ug/L
		<i>Wastewater Pharmaceuticals</i>	Acetaminophen	0.2	U	ug/L
			Amphetamine	0.2	R	ug/L
			Azithromycin	0.2	U	ug/L
			Caffeine	0.2	U	ug/L
			Carbamazepine	0.2	UJ	ug/L
			Cotinine	0.2	U	ug/L
			DEET	0.2	U	ug/L
			Diphenhydramine	0.2	U	ug/L
			Ibuprofen	0.2	U	ug/L
			Methamphetamine	0.2	R	ug/L
			Naproxen	0.2	U	ug/L
			Paraxanthine	0.2	U	ug/L
			Thiabendazole	0.2	UJ	ug/L
			Triclosan	0.2	U	ug/L
		<i>Isotopes</i>	Nitrate	<0.1		mg/L
			δ15N-NO3	NM		‰
			Ammonia	923		mg/L
			δ15N-NH4	10.07		‰
			δ18O-NO3	NM		‰ SMOW
LG-03	10154253		Ammonia (NH3+NH4) as N	870	J	mg/L
			Nitrate+Nitrite as N	1	UJ	mg/L
			Total Kjeldahl Nitrogen	1400	J	mg/L
		<i>Bacteria</i>	Escherichia coli	79000	J	per100ml
			Fecal Coliform	TNTC		CFU/100 m
			BAC32		Present	
			<i>Bacteroides</i> PCR (ruminant)	CF 128	Present	
			<i>Bacteroides</i> PCR (ruminant)	CF 193	ND	
			<i>Bacteroides</i> PCR (human)	HF 134	Absent	
			<i>Bacteroides</i> PCR (human)	HF 183	Present	
		<i>General Chemistry</i>	Alkalinity as CaCO3	6320		mg/L
			Bromide	10	U	mg/L
			Chloride	616		mg/L
			Fluoride	2	U	mg/L
			Phosphorus, total	126		mg/L
			Sulfate	15	U	mg/L
		<i>Metals</i>	Arsenic	160	U	ug/L
			Barium	907		ug/L
			Cadmium	11	U	ug/L
			Calcium	390000		ug/L
			Chromium	85		ug/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			Copper	1810		ug/L
			Iron	15800		ug/L
			Lead	89	U	ug/L
			Magnesium	234000		ug/L
			Manganese	3950		ug/L
			Mercury	0.25	UJ	ug/L
			Potassium	2140000		ug/L
			Selenium	180	U	ug/L
			Silver	35	U	ug/L
			Sodium	511000		ug/L
			Zinc	5260		ug/L
		<i>Wastewater Organics</i>	1,4-dichlorobenzene	2	UJ	ug/L
			1-methylnaphthalene	2	R	ug/L
			2,2',4,4'-tetrabromodiphenyl ether	2	UJ	ug/L
			2,6-dimethylnaphthalene	2	UJ	ug/L
			2-methylnaphthalene	2	R	ug/L
			3,4-dichlorophenyl isocyanate	2	UJ	ug/L
			3-beta-coprostanol	62.9	J	ug/L
			3-methyl-1h-indole (skatol)	146	J	ug/L
			3-tert-butyl-4-hydroxyanisole (bha)	2	UJ	ug/L
			4-cumylphenol	2	R	ug/L
			4-n-octylphenol	2	R	ug/L
			4-nonylphenol monoethoxylate - total (np1eo)	54.6	J	ug/L
			4-octylphenol diethoxylate (op2eo)	2	R	ug/L
			4-octylphenol monoethoxylate (op1eo)	2	R	ug/L
			4-tert-octylphenol	2	R	ug/L
			5-methyl-1h-benzotriazole	2	UJ	ug/L
			acetophenone	2	R	ug/L
			acetyl-hexamethyl-tetrahydro-naphthalene (ahtn)	2	UJ	ug/L
			anthracene	2	R	ug/L
			anthraquinone	2	UJ	ug/L
			atrazine	2	UJ	ug/L
			benz[a]pyrene	2	R	ug/L
			benzophenone	2	UJ	ug/L
			beta-sitosterol	82	J	ug/L
			beta-stigmastanol	91.3	J	ug/L
			bis-(2-ethylhexyl) phthalate (dehp)	2	U	ug/L
			bisphenol a	2	R	ug/L
			bromacil	2	UJ	ug/L
			bromoform	2	UJ	ug/L
			caffeine	2	UJ	ug/L
			camphor	2	UJ	ug/L
			carbaryl	2	UJ	ug/L
			carbazole	2	UJ	ug/L
			chlorpyrifos	2	UJ	ug/L
			cholesterol	121	J	ug/L
			cotinine	2	UJ	ug/L
			diazinon	2	UJ	ug/L
			dichlorvos	2	UJ	ug/L
			diethoxynonylphenols- total (np2eo)	41.8	J	ug/L
			diethyl phthalate	2	UJ	ug/L
			d-limonene	2	UJ	ug/L
			fluoranthene	2	R	ug/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			hexahydrohexamethyl cyclopentabenzopyran (hhcb)	2	UJ	ug/L
			indole	2	UJ	ug/L
			isoborneol	2	UJ	ug/L
			isophorone	2	UJ	ug/L
			isopropylbenzene (cumene)	2	UJ	ug/L
			isoquinoline	1.01	J	ug/L
			menthol	2	UJ	ug/L
			metalaxyl	2	UJ	ug/L
			methyl salicylate	2	UJ	ug/L
			metolachlor	2	UJ	ug/L
			n,n-diethyl-meta-toluamide (deet)	2	UJ	ug/L
			naphthalene	2	R	ug/L
			para-nonylphenol total	49.8	J	ug/L
			p-cresol	9010	J	ug/L
			pentachlorophenol	2	R	ug/L
			phenanthrene	2	R	ug/L
			phenol	1360	J	ug/L
			prometon	2	UJ	ug/L
			pyrene	2	R	ug/L
			tetrachloroethylene	2	UJ	ug/L
			tri(2-butoxyethyl) phosphate	2	UJ	ug/L
			tri(2-chloroethyl) phosphate	2	UJ	ug/L
			tri(dichloroisopropyl) phosphate	2	UJ	ug/L
			tributyl phosphate	2	UJ	ug/L
			triclosan	2	UJ	ug/L
			triethyl citrate (ethyl citrate)	2	UJ	ug/L
			triphenyl phosphate	2	UJ	ug/L

Pesticides Due to matrix interference the laboratory could not provide quantitative results for the pesticide analysis of the lagoon sludge samples.

<i>Hormones</i>	17-a-estradiol	1590		ng/L
	17-a-ethynyl-estradiol	20	U	ng/L
	17-b-estradiol	21.3		ng/L
	Estriol	8.8	U	ng/L
	Estrone	1950		ng/L

<i>Steroids / Hormones</i>	11-Keto Testosterone	0.002	U	ug/L
	17a-Hydroxyprogesterone	0.002	U	ug/L
	17alpha-trenbolone	0.002	U	ug/L
	17beta-estradiol	0.002	U	ug/L
	17beta-trenbolone	0.002	U	ug/L
	4-Androstenedione	0.171		ug/L
	a-Estradiol	1.043		ug/L
	Androstenedionedione	0.002	UJ	ug/L
	Androsterone	0.002	UJ	ug/L
	a-Zearalanol	2.889	J	ug/L
	a-Zearalenol	0.002	UJ	ug/L
	b-Zearalanol	0.002	UJ	ug/L
	b-Zearalenol	0.002	U	ug/L
	Epitestosterone	0.002	U	ug/L
	Estriol	0.002	U	ug/L
	Estrone	0.002	UJ	ug/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			Ethynyl Estradiol	0.002	U	ug/L
			Melengesterol Acetate	0.002	U	ug/L
			Progesterone	0.333	J	ug/L
			Testosterone	0.002	U	ug/L
		<i>Veterinary Pharmaceuticals</i>	Chlortetracycline(total)	0.02	R	ug/L
			Erythromycin	0.02	UJ	ug/L
			Lincomycin	0.02	UJ	ug/L
			Monensin	420	J	ug/L
			Oxytetracycline	0.02	R	ug/L
			Ractopamine	0.078	J	ug/L
			Sulfachloropyridazine	0.02	UJ	ug/L
			Sulfadimethoxine	2.18	J	ug/L
			Sulfamerazine	0.02	UJ	ug/L
			Sulfamethazine	0.02	UJ	ug/L
			Sulfamethazole	0.02	UJ	ug/L
			Sulfamethoxazole	0.02	UJ	ug/L
			Sulfathiazole	0.216	J	ug/L
			Tetracycline	2.88	J	ug/L
			Tiamulin	0.02	UJ	ug/L
			Tylosin	1.12	J	ug/L
			Virginiamycin	0.02	UJ	ug/L
		<i>Wastewater Pharmaceuticals</i>	Acetaminophen	0.2	U	ug/L
			Amphetamine	0.2	R	ug/L
			Azithromycin	0.2	U	ug/L
			Caffeine	0.2	U	ug/L
			Carbamazepine	0.2	UJ	ug/L
			Cotinine	0.2	U	ug/L
			DEET	0.42	J	ug/L
			Diphenhydramine	0.2	U	ug/L
			Ibuprofen	0.2	U	ug/L
			Methamphetamine	0.2	R	ug/L
			Naproxen	0.2	U	ug/L
			Paraxanthine	0.2	U	ug/L
			Thiabendazole	0.2	UJ	ug/L
			Triclosan	0.2	U	ug/L
		<i>Isotopes</i>	Nitrate	<0.1		mg/L
			δ15N-NO3	NM		‰
			Ammonia	896		mg/L
			δ15N-NH4	9.88		‰
			δ18O-NO3	NM		‰ SMOW
WW-02	10154202		Ammonia (NH3+NH4) as N	0.3	U	mg/L
			Nitrate - Field Test	2		mg/L
			Nitrate+Nitrite as N	3.4		mg/L
			Nitrate-N	3.12		mg/L
			Total Kjeldahl Nitrogen	0.5	U	mg/L
		<i>Bacteria</i>	Escherichia coli	< 1		per 100ml
			Fecal Coliform	< 1		per 100ml
			Total Coliform	< 1		per 100ml

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
		<i>General Chemistry</i>	Alkalinity as CaCO3	165		mg/L
			Bromide	0.2	U	mg/L
			Chloride	9.11		mg/L
			Fluoride	0.528		mg/L
			Phosphorus, total	0.0926		mg/L
			Sulfate	22.3		mg/L
		<i>Metals</i>	Arsenic	45	U	ug/L
			Barium	32.7		ug/L
			Cadmium	3	U	ug/L
			Calcium	35400		ug/L
			Chromium	10	U	ug/L
			Copper	5	U	ug/L
			Iron	20	U	ug/L
			Lead	25	U	ug/L
			Magnesium	15100		ug/L
			Manganese	2	U	ug/L
			Mercury	0.05	U	ug/L
			Potassium	4190		ug/L
			Selenium	50	U	ug/L
			Silver	10	U	ug/L
			Sodium	22500		ug/L
			Zinc	5.4		ug/L
		<i>Perchlorate</i>	Perchlorate	493		ng/l
		<i>Wastewater Organics</i>	1,4-dichlorobenzene	0.2	U	ug/L
			1-methylnaphthalene	0.2	U	ug/L
			2,2',4,4'-tetrabromodiphenyl ether	0.3	U	ug/L
			2,6-dimethylnaphthalene	0.2	U	ug/L
			2-methylnaphthalene	0.2	U	ug/L
			3,4-dichlorophenyl isocyanate	1.6	U	ug/L
			3-beta-coprostanol	1.6	U	ug/L
			3-methyl-1h-indole (skatol)	0.2	U	ug/L
			3-tert-butyl-4-hydroxyanisole (bha)	0.2	UJ	ug/L
			4-cumylphenol	0.2	U	ug/L
			4-n-octylphenol	0.2	U	ug/L
			4-nonylphenol monoethoxylate - total (np1eo)	1.6	U	ug/L
			4-octylphenol diethoxylate (op2eo)	0.5	UJ	ug/L
			4-octylphenol monoethoxylate (op1eo)	1	U	ug/L
			4-tert-octylphenol	0.4	U	ug/L
			5-methyl-1h-benzotriazole	1.6	UJ	ug/L
			acetophenone	0.4	U	ug/L
			acetyl-hexamethyl-tetrahydro-naphthalene (ahtn)	0.2	U	ug/L
			anthracene	0.2	U	ug/L
			anthraquinone	0.2	U	ug/L
			atrazine	0.2	U	ug/L
			benz[a]pyrene	0.2	U	ug/L
			benzophenone	0.2	U	ug/L
			beta-sitosterol	1.6	U	ug/L
			beta-stigmastanol	1.7	U	ug/L
			bis-(2-ethylhexyl) phthalate (dehp)	2	U	ug/L
			bisphenol a	0.4	U	ug/L
			bromacil	0.8	U	ug/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			bromoform	0.2	U	ug/L
			caffeine	0.2	U	ug/L
			camphor	0.2	U	ug/L
			carbaryl	0.2	U	ug/L
			carbazole	0.2	U	ug/L
			chlorpyrifos	0.2	U	ug/L
			cholesterol	1.6	U	ug/L
			cotinine	0.8	UJ	ug/L
			diazinon	0.2	U	ug/L
			dichlorvos	0.2	U	ug/L
			diethoxynonylphenols- total (np2eo)	3.2	U	ug/L
			diethyl phthalate	0.2	U	ug/L
			d-limonene	0.2	U	ug/L
			fluoranthene	0.2	U	ug/L
			hexahydrohexamethyl cyclopentabenzopyran (hhcb)	0.2	U	ug/L
			indole	0.2	U	ug/L
			isoborneol	0.2	U	ug/L
			isophorone	0.2	U	ug/L
			isopropylbenzene (cumene)	0.2	U	ug/L
			isoquinoline	0.2	U	ug/L
			menthol	0.2	U	ug/L
			metalaxyl	0.2	U	ug/L
			methyl salicylate	0.2	U	ug/L
			metolachlor	0.2	U	ug/L
			n,n-diethyl-meta-toluamide (deet)	0.2	U	ug/L
			naphthalene	0.2	U	ug/L
			para-nonylphenol total	1.6	U	ug/L
			p-cresol	0.2	U	ug/L
			pentachlorophenol	1.6	U	ug/L
			phenanthrene	0.2	U	ug/L
			phenol	0.2	U	ug/L
			prometon	0.2	U	ug/L
			pyrene	0.2	U	ug/L
			tetrachloroethylene	0.4	U	ug/L
			tri(2-butoxyethyl) phosphate	0.2	U	ug/L
			tri(2-chloroethyl) phosphate	0.2	U	ug/L
			tri(dichloroisopropyl) phosphate	0.2	U	ug/L
			tributyl phosphate	0.2	U	ug/L
			triclosan	0.2	U	ug/L
			triethyl citrate (ethyl citrate)	0.2	U	ug/L
			triphenyl phosphate	0.2	U	ug/L
		<i>Pesticides</i>	2,3,4,5-Tetrachlorophenol	0.2	U	ug/L
			2,3,4,6-Tetrachlorophenol	0.1	U	ug/L
			2,4,5-T	0.49	U	ug/L
			2,4,5-Trichlorophenol	0.2	U	ug/L
			2,4,6-Trichlorophenol	0.49	UJ	ug/L
			2,4-D	0.49	UJ	ug/L
			2,4-DB	0.1	U	ug/L
			3,5-Dichlorobenzoic acid	0.1	U	ug/L
			4-Nitrophenol	0.49	UJ	ug/L
			Acifluorfen	0.49	U	ug/L
			Alachlor	0.1	UJ	ug/L
			Atrazine	0.041	J	ug/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			Azinphos-methyl	0.1	UJ	ug/L
			Bentazon	0.1	U	ug/L
			Benzonitrile, 2,6-dichloro-	0.1	UJ	ug/L
			Bromoxynil	0.1	U	ug/L
			Chloramben	0.2	UJ	ug/L
			Chlorpyrifos, Ethyl	0.1	UJ	ug/L
			Clopyralid	0.99	UJ	ug/L
			DACTHAL-DCPA	0.49	UJ	ug/L
			Diazinon	0.1	UJ	ug/L
			Dicamba	0.1	UJ	ug/L
			Dichlorprop	0.49	U	ug/L
			Diclofop, Methyl	0.1	U	ug/L
			Dinoseb	0.49	U	ug/L
			Diuron	0.1	UJ	ug/L
			Endosulfan I	0.1	UJ	ug/L
			Endosulfan II	0.1	UJ	ug/L
			Endosulfan Sulfate	0.1	UJ	ug/L
			Fenhexamid	0.99	UJ	ug/L
			Fenpropathrin	0.1	UJ	ug/L
			Imidan	0.2	UJ	ug/L
			Ioxynil	0.1	U	ug/L
			Kresoxim-methyl	0.1	UJ	ug/L
			MCPA	0.2	U	ug/L
			MCPP	0.1	U	ug/L
			Metribuzin	0.1	UJ	ug/L
			Myclobutanil	0.1	UJ	ug/L
			Oxyfluorfen	0.1	UJ	ug/L
			Pendimethalin	0.1	UJ	ug/L
			Pentachlorophenol	0.1	U	ug/L
			Picloram	0.99	UJ	ug/L
			Propargite	0.1	UJ	ug/L
			Silvex	0.2	U	ug/L
			Simazine	0.1	U	
			SURFLAN	1.97	UJ	ug/L
			Terbacil	2	UJ	ug/L
			Trichlorpyr	0.1	U	ug/L
			Triflumizole	0.39	UJ	ug/L
			Trifluralin	0.1	UJ	ug/L
		<i>Hormones</i>	17-a-estradiol	0.21	U	ng/L
			17-a-ethynyl-estradiol	0.16	U	ng/L
			17-b-estradiol	0.14	U	ng/L
			Estriol	0.22	U	ng/L
			Estrone	0.21	U	ng/L
		<i>Steroids / Hormones</i>	11-Keto Testosterone	0.002	U	ug/L
			17a-Hydroxyprogesterone	0.002	U	ug/L
			17alpha-trenbolone	0.002	U	ug/L
			17beta-estradiol	0.002	U	ug/L
			17beta-trenbolone	0.002	U	ug/L
			4-Androstenedione	0.002	U	ug/L
			a-Estradiol	0.002	U	ug/L
			Androstenedione	0.002	UJ	ug/L
			Androsterone	0.002	UJ	ug/L

R M Haak Dairy (complete data set)

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			a-Zearalanol	0.002	UJ	ug/L
			a-Zearalenol	0.002	UJ	ug/L
			b-Zearalanol	0.002	UJ	ug/L
			b-Zearalenol	0.002	U	ug/L
			Epitestosterone	0.002	U	ug/L
			Estriol	0.002	U	ug/L
			Estrone	0.002	UJ	ug/L
			Ethynyl Estradiol	0.002	U	ug/L
			Melengesterol Acetate	0.002	U	ug/L
			Progesterone	0.002	UJ	ug/L
			Testosterone	0.016		ug/L
		<i>Veterinary Pharmaceuticals</i>	Chlortetracycline(total)	0.02	U	ug/L
			Erythromycin	0.02	U	ug/L
			Lincomycin	0.02	U	ug/L
			Monensin	0.02	U	ug/L
			Oxytetracycline	0.02	U	ug/L
			Ractopamine	0.02	U	ug/L
			Sulfachloropyridazine	0.02	U	ug/L
			Sulfadimethoxine	0.02	U	ug/L
			Sulfamerazine	0.02	U	ug/L
			Sulfamethazine	0.02	U	ug/L
			Sulfamethazole	0.02	U	ug/L
			Sulfamethoxazole	0.02	U	ug/L
			Sulfathiazole	0.02	U	ug/L
			Tetracycline	0.02	U	ug/L
			Tiamulin	0.02	U	ug/L
			Tylosin	0.02	U	ug/L
			Virginiamycin	0.02	U	ug/L
		<i>Wastewater Pharmaceuticals</i>	Acetaminophen	0.2	UJ	ug/L
			Amphetamine	0.2	UJ	ug/L
			Azithromycin	0.2	U	ug/L
			Caffeine	0.2	U	ug/L
			Carbamazepine	0.2	UJ	ug/L
			Cotinine	0.2	U	ug/L
			DEET	0.2	U	ug/L
			Diphenhydramine	0.2	U	ug/L
			Ibuprofen	0.2	UJ	ug/L
			Methamphetamine	0.2	U	ug/L
			Naproxen	0.2	R	ug/L
			Paraxanthine	0.2	UJ	ug/L
			Thiabendazole	0.2	UJ	ug/L
			Triclosan	0.2	R	ug/L
		<i>Isotopes</i>	Nitrate	3		mg/L
			δ15N-NO3	2.73		‰
			Ammonia	<0.1		mg/L
			δ15N-NH4	NM		‰
			δ18O-NO3	15.1		‰ SMOW
		<i>Age Dating</i>	Piston Flow Model SF6 Recharge Age	15.8-16.3		years

Abbreviations

R M Haak Dairy (complete data set)

Revised February 2012

Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
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BAC32 - *Bacteroides*

ND - Analysis not done

NM - Not measured

PCR - Polymerase Chain Reaction

‰ = parts per thousand difference from the atmospheric standard

SMOW = standard mean of ocean water

TNTC - Too numerous to count

Units

CFU/100 ml = colony forming unit per 100 milliliters

MPN/100 ml = most probable number per 100 milliliters

ng/L = nanograms per liter

ug/L = micrograms per liter

mg/L = milligrams per liter

mg/Kg = milligrams per kilogram

ug/Kg = micrograms per kilogram

Data Qualifiers

< = less than

J = The analyte was positively identified. The associated numerical value is an estimate.

JN = There is evidence that the analyte is present. The associated numerical result is an estimate.

N = There is evidence the analyte is present in this sample.

R = The data are unusable for all purposes.

U = The analyte was not detected at or above the reported value.

UJ = The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.