

**D and A Farms Dairy**  
 Revised February 2012

Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
SO-05	10154235		Ammonia Solid	1060		mg/Kg
			NO3N/Total Solid	43.1		mg/Kg
			Total Nitrogen/Solid	13600		mg/Kg
		<i>Pesticides</i>	2,3,4,5-Tetrachlorophenol	37	U	ug/Kg
			2,3,4,6-Tetrachlorophenol	37	U	ug/Kg
			2,4,5-T	37	U	ug/Kg
			2,4,5-Trichlorophenol	37	U	ug/Kg
			2,4,6-Trichlorophenol	37	UJ	ug/Kg
			2,4-D	37	U	ug/Kg
			2,4-DB	37	U	ug/Kg
			3,5-Dichlorobenzoic acid	37	U	ug/Kg
			4-Nitrophenol	37	UJ	ug/Kg
			Acifluorfen	37	UJ	ug/Kg
			Alachlor	62	U	ug/Kg
			Atrazine	62	U	ug/Kg
			Azinphos-methyl	62	UJ	ug/Kg
			Bentazon	37	U	ug/Kg
			Benzonitrile, 2,6-dichloro-	62	U	ug/Kg
			Bromoxynil	37	U	ug/Kg
			Chloramben	37	UJ	ug/Kg
			Chlorpyrifos, Ethyl	8.6	J	ug/Kg
			Clopyralid	36	J	ug/Kg
			DACTHAL-DCPA	28	J	ug/Kg
			Diazinon	62	U	ug/Kg
			Dicamba	3.8	J	ug/Kg
			Dichlorprop	37	U	ug/Kg
			Diclofop, Methyl	37	U	ug/Kg
			Dinoseb	37	UJ	ug/Kg
			Diuron	8.3	J	ug/Kg
			Endosulfan I	62	U	ug/Kg
			Endosulfan II	62	U	ug/Kg
			Endosulfan Sulfate	62	U	ug/Kg
			Fenhexamid	62	UJ	ug/Kg
			Fenpropathrin	62	U	ug/Kg
			Imidan	62	UJ	ug/Kg
			Ioxynil	37	U	ug/Kg
			Kresoxim-methyl	62	U	ug/Kg
			MCPA	37	U	ug/Kg
			MCPP	37	U	ug/Kg
			Metribuzin	62	UJ	ug/Kg
			Myclobutanil	62	U	ug/Kg
			Oxyfluorfen	62	U	ug/Kg
			Pendimethalin	62	U	ug/Kg
			Pentachlorophenol	1.9	J	ug/Kg
			Picloram	37	U	ug/Kg
			Propargite	62	U	ug/Kg
			Silvex	37	U	ug/Kg
			Simazine	62	U	ug/Kg
			SURFLAN	120	UJ	ug/Kg
			Terbacil	62	U	ug/Kg
			Trichlorpyr	37	U	ug/Kg
			Triflumizole	62	U	ug/Kg
			Trifluralin	62	U	ug/Kg

**D and A Farms Dairy**  
 Revised February 2012

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	1.48		ug/Kg
			17beta-trenbolone	0.1	U	ug/Kg
			4-Androstenedione	5.63		ug/Kg
			a-Estradiol	0.1	U	ug/Kg
			Androstanedienedione	15.4		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	10.5		ug/Kg
			Melengesterol Acetate	0.1	U	ug/Kg
			Progesterone	33.1		ug/Kg
			Testosterone	0.1	U	ug/Kg
		<i>Veterinary Pharmaceuticals</i>	Chlortetracycline(total)	17.7		ug/Kg
			Erythromycin	3.1		ug/Kg
			Lincomycin	0.5	U	ug/Kg
			Monensin	1329		ug/Kg
			Oxytetracycline	0.5	U	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	7.7		ug/Kg
			Sulfamethazole	0.5	U	ug/Kg
			Sulfamethoxazole	0.5	U	ug/Kg
			Sulfathiazole	0.5	U	ug/Kg
			Tetracycline	17.9		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
			Triclosan	50	U	ug/Kg
SO-06	10154236		Ammonium-N	6.8		mg/kg

**D and A Farms Dairy**  
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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			Nitrate-N/Nitrite	45.6		mg/kg
			Total Nitrogen/Solid	960		mg/kg
		<i>Pesticides</i>	2,3,4,5-Tetrachlorophenol	13	U	ug/Kg
			2,3,4,6-Tetrachlorophenol	13	U	ug/Kg
			2,4,5-T	13	U	ug/Kg
			2,4,5-Trichlorophenol	13	U	ug/Kg
			2,4,6-Trichlorophenol	13	UJ	ug/Kg
			2,4-D	13	U	ug/Kg
			2,4-DB	13	U	ug/Kg
			3,5-Dichlorobenzoic acid	13	U	ug/Kg
			4-Nitrophenol	1700	J	ug/Kg
			Acifluorfen	13	UJ	ug/Kg
			Alachlor	23	U	ug/Kg
			Atrazine	23	U	ug/Kg
			Azinphos-methyl	23	UJ	ug/Kg
			Bentazon	13	U	ug/Kg
			Benzonitrile, 2,6-dichloro-	23	U	ug/Kg
			Bromoxynil	13	U	ug/Kg
			Chloramben	13	UJ	ug/Kg
			Chlorpyrifos, Ethyl	5.9	J	ug/Kg
			Clopyralid	13	U	ug/Kg
			DACTHAL-DCPA	13	U	ug/Kg
			Diazinon	23	U	ug/Kg
			Dicamba	13	U	ug/Kg
			Dichlorprop	13	U	ug/Kg
			Diclofop, Methyl	13	U	ug/Kg
			Dinoseb	13	UJ	ug/Kg
			Diuron	23	UJ	ug/Kg
			Endosulfan I	23	U	ug/Kg
			Endosulfan II	23	U	ug/Kg
			Endosulfan Sulfate	23	U	ug/Kg
			Fenhexamid	23	UJ	ug/Kg
			Fenpropathrin	23	U	ug/Kg
			Imidan	23	UJ	ug/Kg
			Ioxynil	13	U	ug/Kg
			Kresoxim-methyl	23	U	ug/Kg
			MCPA	13	U	ug/Kg
			MCPP	13	U	ug/Kg
			Metribuzin	23	UJ	ug/Kg
			Myclobutanil	23	U	ug/Kg
			Oxyfluorfen	23	U	ug/Kg
			Pendimethalin	23	U	ug/Kg
			Pentachlorophenol	13	U	ug/Kg
			Picloram	13	U	ug/Kg
			Propargite	23	U	ug/Kg
			Silvex	13	U	ug/Kg
			Simazine	23	U	ug/Kg
			SURFLAN	47	UJ	ug/Kg
			Terbacil	23	U	ug/Kg
			Trichlorpyr	13	U	ug/Kg
			Triflumizole	23	U	ug/Kg
			Trifluralin	23	U	ug/Kg
		<i>Steroids / Hormones</i>	11-Keto Testosterone	0.1	U	ug/Kg

**D and A Farms Dairy**  
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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			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	0.12		ug/Kg
			a-Estradiol	0.11		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
			Ethinyl Estradiol	0.1	U	ug/Kg
			Melengesterol Acetate	0.1	U	ug/Kg
			Progesterone	0.17		ug/Kg
			Testosterone	0.1	U	ug/Kg
		<i>Veterinary Pharmaceuticals</i>	Chlortetracycline(total)	3		<b>ug/Kg</b>
			Erythromycin	0.5	U	<b>ug/Kg</b>
			Lincomycin	0.5	U	<b>ug/Kg</b>
			Monensin	5.1		<b>ug/Kg</b>
			Oxytetracycline	3.3		<b>ug/Kg</b>
			Ractopamine	0.5	U	<b>ug/Kg</b>
			Sulfachloropyridazine	0.5	U	<b>ug/Kg</b>
			Sulfadimethoxine	0.5	U	<b>ug/Kg</b>
			Sulfamerazine	0.5	U	<b>ug/Kg</b>
			Sulfamethazine	0.5	U	<b>ug/Kg</b>
			Sulfamethazole	0.5	U	<b>ug/Kg</b>
			Sulfamethoxazole	0.5	U	<b>ug/Kg</b>
			Sulfathiazole	0.5	U	<b>ug/Kg</b>
			Tetracycline	16.5		<b>ug/Kg</b>
			Tiamulin	0.5	U	<b>ug/Kg</b>
			Tylosin	0.5	U	<b>ug/Kg</b>
			Virginiamycin	0.5	U	<b>ug/Kg</b>
		<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
LG-07	10164237		Ammonia (NH3+NH4) as N	950	J	mg/L
			Nitrate+Nitrite as N	3.1	J	mg/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			Phosphorus, total	221		mg/L
			Total Kjeldahl Nitrogen	1700	J	mg/L
		<i>Bacteria</i>	Escherichia coli	5400000	J	per100ml
			Fecal Coliform	5400000		per100ml
			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	Absent	
		<i>General Chemistry</i>	Alkalinity as CaCO3	6210		mg/L
			Bromide	10	U	mg/L
			Chloride	633		mg/L
			Fluoride	2	U	mg/L
			Sulfate	304		mg/L
		<i>Metals</i>	Arsenic	190	U	ug/L
			Barium	1080		ug/L
			Cadmium	13	U	ug/L
			Calcium	578000		ug/L
			Chromium	70		ug/L
			Copper	1850		ug/L
			Iron	53000		ug/L
			Lead	100	U	ug/L
			Magnesium	358000		ug/L
			Manganese	7780		ug/L
			Mercury	0.25	UJ	ug/L
			Potassium	1930000		ug/L
			Selenium	210	U	ug/L
			Silver	42	U	ug/L
			Sodium	443000		ug/L
			Zinc	6080		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	R	ug/L
			2-methylnaphthalene	2	R	ug/L
			3,4-dichlorophenyl isocyanate	2	UJ	ug/L
			3-beta-coprostanol	14.9	J	ug/L
			3-methyl-1h-indole (skatol)	34.9	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)	8.09	J	ug/L
			4-octylphenol diethoxylate (op2eo)	2	R	ug/L
			4-octylphenol monoethoxylate (op1eo)	2	J	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

**D and A Farms Dairy**  
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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			benz[a]pyrene	2	R	ug/L
			benzophenone	2	R	ug/L
			beta-sitosterol	23.7	J	ug/L
			beta-stigmastanol	19.3	J	ug/L
			bis-(2-ethylhexyl) phthalate (dehp)	2	UJ	ug/L
			bisphenol a	2	R	ug/L
			bromacil	2	UJ	ug/L
			bromoform	2	UJ	ug/L
			caffeine	2	R	ug/L
			camphor	2	UJ	ug/L
			carbaryl	2	UJ	ug/L
			carbazole	2	UJ	ug/L
			chlorpyrifos	2	UJ	ug/L
			cholesterol	37.3	J	ug/L
			cotinine	2	UJ	ug/L
			diazinon	2	UJ	ug/L
			dichlorvos	2	UJ	ug/L
			diethoxynonylphenols- total (np2eo)	4.87	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	20.1	J	ug/L
			isoborneol	2	UJ	ug/L
			isophorone	2	UJ	ug/L
			isopropylbenzene (cumene)	2	UJ	ug/L
			isoquinoline	2	UJ	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	2	UJ	ug/L
			p-cresol	1880	J	ug/L
			pentachlorophenol	2	R	ug/L
			phenanthrene	2	R	ug/L
			phenol	245	J	ug/L
			prometon	2	UJ	ug/L
			pyrene	2	UJ	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
		<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	1730		ng/L
			17-a-ethynyl-estradiol	20	U	ng/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			17-b-estradiol	38.2		ng/L
			Estriol	8.8	U	ng/L
			Estrone	592		ng/L
		<i>Steroids / Hormones</i>	11-Keto Testosterone	0.765		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	0.107		ug/L
			a-Estradiol	0.002	U	ug/L
			Androstenedione	0.002	U	ug/L
			Androsterone	0.002	U	ug/L
			a-Zearalanol	11.3		ug/L
			a-Zearalenol	0.002	U	ug/L
			b-Zearalanol	0.002	U	ug/L
			b-Zearalenol	0.002	U	ug/L
			Epitestosterone	0.002	U	ug/L
			Estriol	0.002	U	ug/L
			Estrone	0.002	U	ug/L
			Ethinyl Estradiol	0.002	U	ug/L
			Melengesterol Acetate	0.002	U	ug/L
			Progesterone	0.757		ug/L
			Testosterone	0.016		ug/L
		<i>Veterinary Pharmaceuticals</i>	Chlortetracycline(total)	0.02	R	ug/L
			Erythromycin	0.02	R	ug/L
			Lincomycin	0.02	R	ug/L
			Monensin	0.02	R	ug/L
			Oxytetracycline	0.02	R	ug/L
			Ractopamine	0.02	R	ug/L
			Sulfachloropyridazine	0.095	J	ug/L
			Sulfadimethoxine	0.02	R	ug/L
			Sulfamerazine	0.02	R	ug/L
			Sulfamethazine	0.02	R	ug/L
			Sulfamethazole	0.02	R	ug/L
			Sulfamethoxazole	0.02	R	ug/L
			Sulfathiazole	0.02	R	ug/L
			Tetracycline	0.442	J	ug/L
			Tiamulin	0.02	R	ug/L
			Tylosin	0.184	J	ug/L
			Virginiamycin	0.02	R	ug/L
		<i>Wastewater Pharmaceuticals</i>	Acetaminophen	0.2	U	ug/L
			Amphetamine	0.2	<b>R</b>	ug/L
			Azithromycin	0.2	U	ug/L
			Caffeine	0.2	U	ug/L
			Carbamazepine	0.2	<b>UJ</b>	ug/L
			Cotinine	0.2	U	ug/L
			DEET	0.2	U	ug/L
			Diphenhydramine	1.3		ug/L
			Ibuprofen	0.2	U	ug/L
			Methamphetamine	0.2	<b>R</b>	ug/L
			Naproxen	0.2	U	ug/L
			Paraxanthine	0.2	U	ug/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			Thiabendazole	0.2	UJ	ug/L
			Triclosan	0.2	U	ug/L
		<i>Isotopes</i>	Nitrate	NM		mg/L
			δ15N-NO3	NM		‰
			Ammonia	869		mg/L
			δ15N-NH4	5.36		‰
			δ18O-NO3	NM		‰ SMOW
LG-08	10154258		Ammonia (NH3+NH4) as N	730	J	mg/L
			Nitrate+Nitrite as N	1	UJ	mg/L
			Total Kjeldahl Nitrogen	1200	J	mg/L
		<i>Bacteria</i>	Escherichia coli	130000	J	per100ml
			Fecal Coliform	130000		per100ml
			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	Absent	
		<i>General Chemistry</i>	Alkalinity as CaCO3	5280		mg/L
			Bromide	10	U	mg/L
			Chloride	699		mg/L
			Fluoride	2	U	mg/L
			Phosphorus, total	90.8		mg/L
			Sulfate	15	U	mg/L
		<i>Metals</i>	Arsenic	190	U	ug/L
			Barium	720		ug/L
			Cadmium	13	U	ug/L
			Calcium	433000		ug/L
			Chromium	42	U	ug/L
			Copper	1290		ug/L
			Iron	23600		ug/L
			Lead	100	U	ug/L
			Magnesium	202000		ug/L
			Manganese	3990		ug/L
			Mercury	0.25	UJ	ug/L
			Potassium	1820000		ug/L
			Selenium	210	U	ug/L
			Silver	42	U	ug/L
			Sodium	488000		ug/L
			Zinc	4160		ug/L
		<i>Wastewater Organics</i>	1,4-dichlorobenzene	30	UJ	ug/L
			1-methylnaphthalene	30	UJ	ug/L
			2,2',4,4'-tetrabromodiphenyl ether	30	U	ug/L
			2,6-dimethylnaphthalene	30	UJ	ug/L
			2-methylnaphthalene	30	UJ	ug/L
			3,4-dichlorophenyl isocyanate	30	U	ug/L
			3-beta-coprostanol	200	J	ug/L
			3-methyl-1h-indole (skatol)	373	J	ug/L
			3-tert-butyl-4-hydroxyanisole (bha)	2	UJ	ug/L
			4-cumylphenol	30	U	ug/L



**D and A Farms Dairy**  
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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			4-n-octylphenol	30	U	ug/L
			4-nonylphenol monoethoxylate - total (np1eo)	165	J	ug/L
			4-octylphenol diethoxylate (op2eo)	48.4		ug/L
			4-octylphenol monoethoxylate (op1eo)	30	U	ug/L
			4-tert-octylphenol	30	U	ug/L
			5-methyl-1h-benzotriazole	2	UJ	ug/L
			acetophenone	30	U	ug/L
			acetyl-hexamethyl-tetrahydro-naphthalene (ahntn)	30	U	ug/L
			anthracene	30	UJ	ug/L
			anthraquinone	30	U	ug/L
			atrazine	30	U	ug/L
			benz[a]pyrene	30	UJ	ug/L
			benzophenone	30	UJ	ug/L
			beta-sitosterol	219	J	ug/L
			beta-stigmastanol	292	J	ug/L
			bis-(2-ethylhexyl) phthalate (dehp)	30	U	ug/L
			bisphenol a	30	U	ug/L
			bromacil	30	U	ug/L
			bromoform	30	U	ug/L
			caffeine	30	U	ug/L
			camphor	30	U	ug/L
			carbaryl	30	U	ug/L
			carbazole	30	U	ug/L
			chlorpyrifos	30	U	ug/L
			cholesterol	377	J	ug/L
			cotinine	2	UJ	ug/L
			diazinon	30	U	ug/L
			dichlorvos	30	U	ug/L
			diethoxynonylphenols- total (np2eo)	46.5	J	ug/L
			diethyl phthalate	30	U	ug/L
			d-limonene	30	U	ug/L
			fluoranthene	30	UJ	ug/L
			hexahydrohexamethyl cyclopentabenzopyran (hhcb)	30	U	ug/L
			indole	30	U	ug/L
			isoborneol	30	U	ug/L
			isophorone	1.06	J	ug/L
			isopropylbenzene (cumene)	30	U	ug/L
			isoquinoline	30	U	ug/L
			menthol	30	U	ug/L
			metalaxyl	30	U	ug/L
			methyl salicylate	30	U	ug/L
			metolachlor	30	U	ug/L
			n,n-diethyl-meta-toluamide (deet)	30	U	ug/L
			naphthalene	30	UJ	ug/L
			para-nonylphenol total	81.2	J	ug/L
			p-cresol	9600	J	ug/L
			pentachlorophenol	60	U	ug/L
			phenanthrene	30	UJ	ug/L
			phenol	2930	J	ug/L
			prometon	30	U	ug/L
			pyrene	30	UJ	ug/L
			tetrachloroethylene	30	U	ug/L
			tri(2-butoxyethyl) phosphate	30	U	ug/L
			tri(2-chloroethyl) phosphate	30	U	ug/L
			tri(dichloroisopropyl) phosphate	30	U	ug/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			tributyl phosphate	30	U	ug/L
			triclosan	30	U	ug/L
			triethyl citrate (ethyl citrate)	30	U	ug/L
			triphenyl phosphate	30	U	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	1200		ng/L
			17-a-ethynyl-estradiol	20	U	ng/L
			17-b-estradiol	25.4		ng/L
			Estriol	8.8	U	ng/L
			Estrone	1020		ng/L
		<i>Steroids / Hormones</i>	11-Keto Testosterone	0.549		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	0.16		ug/L
			a-Estradiol	0.383		ug/L
			Androstenedione	0.002	U	ug/L
			Androsterone	0.002	U	ug/L
			a-Zearalanol	4.819		ug/L
			a-Zearalenol	0.002	U	ug/L
			b-Zearalanol	0.002	U	ug/L
			b-Zearalenol	0.002	U	ug/L
			Epitestosterone	0.002	U	ug/L
			Estriol	0.002	U	ug/L
			Estrone	0.002	U	ug/L
			Ethynyl Estradiol	0.002	U	ug/L
			Melengesterol Acetate	0.002	U	ug/L
			Progesterone	0.184		ug/L
			Testosterone	0.09		ug/L
		<i>Veterinary Pharmaceuticals</i>	Chlortetracycline(total)	0.02	R	ug/L
			Erythromycin	0.02	R	ug/L
			Lincomycin	0.02	R	ug/L
			Monensin	449.6	J	ug/L
			Oxytetracycline	0.929	J	ug/L
			Ractopamine	0.02	R	ug/L
			Sulfachloropyridazine	0.254	J	ug/L
			Sulfadimethoxine	0.02	R	ug/L
			Sulfamerazine	0.02	R	ug/L
			Sulfamethazine	0.39	J	ug/L
			Sulfamethazole	0.02	R	ug/L
			Sulfamethoxazole	0.02	R	ug/L
			Sulfathiazole	0.872	J	ug/L
			Tetracycline	6.07	J	ug/L
			Tiamulin	0.02	R	ug/L
			Tylosin	0.02	R	ug/L
			Virginiamycin	0.02	R	ug/L
		<i>Wastewater Pharmaceuticals</i>	Acetaminophen	0.2	U	ug/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			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	2.3		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	1.9	J	ug/L
			Triclosan	0.2	U	ug/L
		<i>Isotopes</i>	Nitrate	NM		mg/L
			δ15N-NO3	NM		‰
			Ammonia	696		mg/L
			δ15N-NH4	10.27		‰
			δ18O-NO3	NM		‰ SMOW
LG-09	10154259		Ammonia (NH3+NH4) as N	760	J	mg/L
			Nitrate+Nitrite as N	1	UJ	mg/L
			Total Kjeldahl Nitrogen	1100	J	mg/L
		<i>Bacteria</i>	Escherichia coli	79000	J	per100ml
			Fecal Coliform	79000		per100ml
			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	5280		mg/L
			Bromide	10	U	mg/L
			Chloride	722		mg/L
			Fluoride	2	U	mg/L
			Phosphorus, total	89.8		mg/L
			Sulfate	15	U	mg/L
		<i>Metals</i>	Arsenic	160	U	ug/L
			Barium	720		ug/L
			Cadmium	11	U	ug/L
			Calcium	442000		ug/L
			Chromium	37		ug/L
			Copper	1290		ug/L
			Iron	23600		ug/L
			Lead	90	U	ug/L
			Magnesium	200000		ug/L
			Manganese	4010		ug/L
			Mercury	0.25	UJ	ug/L
			Potassium	1810000		ug/L
			Selenium	180	U	ug/L
			Silver	36	U	ug/L
			Sodium	487000		ug/L
			Zinc	4290		ug/L

**D and A Farms Dairy**  
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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
		<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	R	ug/L
			2-methylnaphthalene	2	R	ug/L
			3,4-dichlorophenyl isocyanate	2	UJ	ug/L
			3-beta-coprostanol	37.6	J	ug/L
			3-methyl-1h-indole (skatol)	170	J	ug/L
			3-tert-butyl-4-hydroxyanisole (bha)	2	UJ	ug/L
			4-cumylphenol	2	UJ	ug/L
			4-n-octylphenol	2	UJ	ug/L
			4-nonylphenol monoethoxylate - total (np1eo)	45.9	J	ug/L
			4-octylphenol diethoxylate (op2eo)	2	UJ	ug/L
			4-octylphenol monoethoxylate (op1eo)	2	UJ	ug/L
			4-tert-octylphenol	2	UJ	ug/L
			5-methyl-1h-benzotriazole	2	UJ	ug/L
			acetophenone	2	UJ	ug/L
			acetyl-hexamethyl-tetrahydro-naphthalene (ahntn)	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	R	ug/L
			beta-sitosterol	56.6	J	ug/L
			beta-stigmastanol	52	J	ug/L
			bis-(2-ethylhexyl) phthalate (dehp)	2	UJ	ug/L
			bisphenol a	0.4	UJ	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	78.3	J	ug/L
			cotinine	2	UJ	ug/L
			diazinon	2	UJ	ug/L
			dichlorvos	2	UJ	ug/L
			diethoxynonylphenols- total (np2eo)	3.2	UJ	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	13	J	ug/L
			isoborneol	2	UJ	ug/L
			isophorone	2	UJ	ug/L
			isopropylbenzene (cumene)	2	UJ	ug/L
			isoquinoline	2	UJ	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

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			para-nonylphenol total	18.1	J	ug/L
			p-cresol	4690	J	ug/L
			pentachlorophenol	2	UJ	ug/L
			phenanthrene	2	R	ug/L
			phenol	1120	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
		<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	1270		ng/L
			17-a-ethynyl-estradiol	20	U	ng/L
			17-b-estradiol	22.3		ng/L
			Estriol	8.8	U	ng/L
			Estrone	1050		ng/L
		<i>Steroids / Hormones</i>	11-Keto Testosterone	0.444		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	0.204		ug/L
			a-Estradiol	0.844		ug/L
			Androstenedione	0.002	U	ug/L
			Androsterone	0.002	U	ug/L
			a-Zearalanol	6.969		ug/L
			a-Zearalenol	0.002	U	ug/L
			b-Zearalanol	0.002	U	ug/L
			b-Zearalenol	0.002	U	ug/L
			Epitestosterone	0.002	U	ug/L
			Estriol	0.002	U	ug/L
			Estrone	0.002	U	ug/L
			Ethynyl Estradiol	0.002	U	ug/L
			Melengesterol Acetate	0.002	U	ug/L
			Progesterone	0.328		ug/L
			Testosterone	0.007		ug/L
		<i>Veterinary Pharmaceuticals</i>	Chlortetracycline(total)	0.02	R	ug/L
			Erythromycin	1.87	J	ug/L
			Lincomycin	0.02	R	ug/L
			Monensin	337.7	J	ug/L
			Oxytetracycline	0.02	R	ug/L
			Ractopamine	0.02	R	ug/L
			Sulfachloropyridazine	0.02	R	ug/L
			Sulfadimethoxine	0.02	R	ug/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			Sulfamerazine	0.02	R	ug/L
			Sulfamethazine	2.07	J	ug/L
			Sulfamethazole	0.02	R	ug/L
			Sulfamethoxazole	0.02	R	ug/L
			Sulfathiazole	0.02	R	ug/L
			Tetracycline	3.6	J	ug/L
			Tiamulin	0.02	R	ug/L
			Tylosin	1.07	J	ug/L
			Virginiamycin	0.02	R	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	0.4	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	NM		mg/L
			δ15N-NO3	NM		‰
			Ammonia	658		mg/L
			δ15N-NH4	10.13		‰
			δ18O-NO3	NM		‰ SMOW
WW-08	10154208		Ammonia (NH3+NH4) as N	0.05	U	mg/L
			Nitrate - Field Test	10		mg/l
			Nitrate+Nitrite as N	12.9		mg/L
			Nitrate-N	11.7		mg/l
			Total Kjeldahl Nitrogen	2.5	U	mg/L
		<i>Bacteria</i>	Escherichia coli	< 1		per 100ml
			Fecal Coliform	< 1		per 100ml
			Total Coliform	< 1		per 100ml
		<i>General Chemistry</i>	Alkalinity as CaCO3	178		mg/L
			Bromide	0.336		mg/L
			Chloride	35		mg/L
			Fluoride	0.257		mg/L
			Phosphorus, total	0.0271		mg/L
			Sulfate	113		mg/L
		<i>Metals</i>	Arsenic	45	U	ug/L
			Barium	30.7		ug/L
			Cadmium	3	U	ug/L
			Calcium	81800		ug/L
			Chromium	10	U	ug/L
			Copper	5	U	ug/L
			Iron	20	U	ug/L

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			Lead	25	U	ug/L
			Magnesium	25600		ug/L
			Manganese	2	U	ug/L
			Mercury	0.05	U	ug/L
			Potassium	4330		ug/L
			Selenium	50	U	ug/L
			Silver	10	U	ug/L
			Sodium	34200		ug/L
			Zinc	12		ug/L
		<i>Perchlorate</i>	Perchlorate	1400		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	UJ	ug/L
			4-n-octylphenol	0.2	UJ	ug/L
			4-nonylphenol monoethoxylate - total (np1eo)	1.6	UJ	ug/L
			4-octylphenol diethoxylate (op2eo)	0.5	UJ	ug/L
			4-octylphenol monoethoxylate (op1eo)	1	UJ	ug/L
			4-tert-octylphenol	0.4	UJ	ug/L
			5-methyl-1h-benzotriazole	1.6	UJ	ug/L
			acetophenone	0.4	UJ	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	UJ	ug/L
			bromacil	0.8	U	ug/L
			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

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			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	UJ	ug/L
			p-cresol	0.2	U	ug/L
			pentachlorophenol	1.6	UJ	ug/L
			phenanthrene	0.2	U	ug/L
			phenol	0.2	UJ	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	0.19	U	ug/L
			2,3,4,6-Tetrachlorophenol	0.1	U	ug/L
			2,4,5-T	0.47	U	ug/L
			2,4,5-Trichlorophenol	0.19	U	ug/L
			2,4,6-Trichlorophenol	0.47	UJ	ug/L
			2,4-D	0.47	UJ	ug/L
			2,4-DB	0.1	U	ug/L
			3,5-Dichlorobenzoic acid	0.1	U	ug/L
			4-Nitrophenol	0.47	UJ	ug/L
			Acifluorfen	0.47	U	ug/L
			Alachlor	0.095	UJ	ug/L
			Atrazine	0.095	UJ	ug/L
			Azinphos-methyl	0.095	UJ	ug/L
			Bentazon	0.036	J	ug/L
			Benzonitrile, 2,6-dichloro-	0.095	UJ	ug/L
			Bromoxynil	0.1	U	ug/L
			Chloramben	0.19	UJ	ug/L
			Chlorpyrifos, Ethyl	0.095	UJ	ug/L
			Clopyralid	0.95	UJ	ug/L
			DACTHAL-DCPA	0.47	UJ	ug/L
			Diazinon	0.095	UJ	ug/L
			Dicamba	0.1	UJ	ug/L
			Dichlorprop	0.47	U	ug/L
			Diclofop, Methyl	0.1	U	ug/L
			Dinoseb	0.47	U	ug/L
			Diuron	0.095	UJ	ug/L
			Endosulfan I	0.095	UJ	ug/L
			Endosulfan II	0.095	UJ	ug/L



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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			Endosulfan Sulfate	0.095	UJ	ug/L
			Fenhexamid	0.95	UJ	ug/L
			Fenpropathrin	0.095	UJ	ug/L
			Imidan	0.19	UJ	ug/L
			Ioxynil	0.1	U	ug/L
			Kresoxim-methyl	0.095	UJ	ug/L
			MCPA	0.19	U	ug/L
			MCPP	0.1	U	ug/L
			Metribuzin	0.095	UJ	ug/L
			Myclobutanil	0.095	UJ	ug/L
			Oxyfluorfen	0.095	UJ	ug/L
			Pendimethalin	0.095	UJ	ug/L
			Pentachlorophenol	0.1	U	ug/L
			Picloram	0.95	UJ	ug/L
			Propargite	0.095	UJ	ug/L
			Silvex	0.19	U	ug/L
			Simazine	0.09	UJ	ug/L
			SURFLAN	1.9	UJ	ug/L
			Terbacil	1.9	UJ	ug/L
			Trichlorpyr	0.1	U	ug/L
			Triflumizole	0.38	UJ	ug/L
			Trifluralin	0.095	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	0.005	U	ug/L
			17alpha-trenbolone	0.004	U	ug/L
			17beta-estradiol	0.002	U	ug/L
			17beta-trenbolone	0.003		ug/L
			4-Androstenedione	0.004	U	ug/L
			a-Estradiol	0.003		ug/L
			Androstenedione	0.002	J	ug/L
			Androsterone	0.002	UJ	ug/L
			a-Zearalanol	0.009	J	ug/L
			a-Zearalenol	0.002	J	ug/L
			b-Zearalanol	0.002	UJ	ug/L
			b-Zearalenol	0.002	U	ug/L
			Epitestosterone	0.003		ug/L
			Estriol	0.002	U	ug/L
			Estrone	0.002	UJ	ug/L
			Ethynyl Estradiol	0.002	U	ug/L
			Melengesterol Acetate	0.004	U	ug/L
			Progesterone	0.007	U	ug/L
			Testosterone	0.003		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

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Station Location	Sample Number	Analysis Type	Analyte	Result	Qualifier	Units
			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	5.17		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	11.7		mg/L
			$\delta^{15}\text{N-NO}_3$	5.3		‰
			Ammonia	0.2		mg/L
			$\delta^{15}\text{N-NH}_4$	NM		‰
			$\delta^{18}\text{O-NO}_3$	22.6		‰ SMOW
		<i>Age Dating</i>	Piston Flow Model SF6 Recharge Age	35.3-40.8	J	years

**Abbreviations**

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**

**D and A Farms Dairy**  
*Revised February 2012*

<b>Station Location</b>	<b>Sample Number</b>	<b>Analysis Type</b>	<b>Analyte</b>	<b>Result</b>	<b>Qualifier</b>	<b>Units</b>
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< = 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.