**UMPQUA Research Company**

738 SE Glenwood Dr., Bend, Oregon 97702

(541) 312-9454 Fax: (541) 312-9456

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ORELAP ID# OR100052

ANALYSIS REPORT**URC # B9I2230**

The Sweetwater Company, Inc.	Project: Finished Water	Date Reported: 11/19/09
PO Box 70	Project #: N/P	Date Sampled: 10/05/09 12:48
Culver, OR 97734	Client Cindy Boan	Date Received: 09/22/09 16:04
		Sampled By: Cindy Boan

Sample Location: Finished Product

URC Sample #: B9I2230-01

Matrix: Drinking Water

Analyte	Code	Result	Units	MRL	MCL	Prepared	Analyzed	Analyst	Qualifier
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Disinfection By-Products**EPA 524.2**

Chloroform (‡)		ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
Bromodichloromethane (‡)		ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
Dibromochloromethane (‡)		ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
Bromoform (‡)		ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
Total Trihalomethanes (~) (‡)		ND	mg/L	0.0020	0.08	10/07/09	10/7/09 10:19	DBZ	

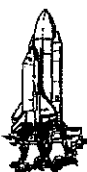
SM 6251B

Monochloroacetic Acid (‡)		ND	mg/L	0.0020		10/14/09	10/20/09 7:02	DBZ	QM-05
Monobromoacetic Acid (‡)		ND	mg/L	0.0010		10/14/09	10/20/09 7:02	DBZ	
Dichloroacetic Acid (‡)		ND	mg/L	0.0010		10/14/09	10/20/09 7:02	DBZ	
Trichloroacetic Acid (‡)		ND	mg/L	0.0010		10/14/09	10/20/09 7:02	DBZ	
Dibromoacetic Acid (‡)		ND	mg/L	0.0010		10/14/09	10/20/09 7:02	DBZ	
Haloacetic Acid 5 (HAA5) (~) (‡)		ND	mg/L	0.0060	0.06	10/14/09	10/20/09 7:02	DBZ	

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ANALYSIS REPORT**URC # B9I2230**

The Sweetwater Company, Inc. PO Box 70 Culver, OR 97734	Project: Finished Water Project #: N/P Client Cindy Boan	Date Reported: 11/19/09 Date Sampled: 10/05/09 12:48 Date Received: 09/22/09 16:04 Sampled By: Cindy Boan
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Sample Location: Finished Product

URC Sample #: B9I2230-01

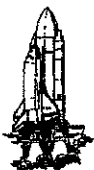
Matrix: Drinking Water

Analyte	Code	Result	Units	MRL	MCL	Prepared	Analyzed	Analyst	Qualifier
Inorganics									
300.1									
Chlorite (‡)		ND	mg/L	0.005		10/18/09	10/18/09 15:53	TDL	
EPA 180.1									
Turbidity		ND	NTU	0.010		10/05/09 16:31	10/6/09 13:30	MLH	
EPA 300.0									
Chloride (‡)		1.9	mg/L	1.0	250	10/07/09	10/7/09 10:28	N/A	SUB
Fluoride (‡)	1025	ND	mg/L	0.200	4	10/07/09	10/7/09 10:28	N/A	SUB
Nitrate as N (‡)	1040	ND	mg/L	0.20	10	10/07/09 10:28	10/7/09 10:28	N/A	SUB
Nitrite as N (‡)	1041	ND	mg/L	0.05	1	10/07/09 10:28	10/7/09 10:28	N/A	SUB
Sulfate (‡)	1055	1.02	mg/L	0.500		10/07/09	10/7/09 10:28	N/A	SUB
Nitrite as N (‡)	1041	ND	mg/L	0.05	1	10/07/09 10:28	10/7/09 10:28	N/A	SUB
Nitrate/Nitrite as N (‡)	1038	ND	mg/L	0.05		10/07/09 10:28	10/7/09 10:28	N/A	SUB
EPA 300.1									
Bromate (‡)		0.006	mg/L	0.005		10/18/09	10/18/09 15:53	TDL	
SM 2120B									
Color		ND	Color Units	5.00		10/05/09 16:27	10/6/09 11:34	MLH	
SM 2150B									
Odor		1.00	Odor units			10/05/09 16:30	10/6/09 11:30	MLH	
SM 2540C									
TDS		86.0	mg/L	3.00		10/05/09	10/8/09 9:49	MLH	
Sm 4500Cl-G 4c									
Chloramines		ND	mg/L	0.0500		10/05/09 16:11	10/5/09 17:37	TDL	
Chlorine - Total		ND	mg/L	0.050		10/05/09 16:11	10/5/09 17:37	TDL	

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ANALYSIS REPORT

URC # B9I2230

The Sweetwater Company, Inc. PO Box 70 Culver, OR 97734	Project: Finished Water Project #: N/P Client Cindy Boan	Date Reported: 11/19/09 Date Sampled: 10/05/09 12:48 Date Received: 09/22/09 16:04 Sampled By: Cindy Boan
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Sample Location: Finished Product

URC Sample #: B9I2230-01

Matrix: Drinking Water

Analyte	Code	Result	Units	MRL	MCL	Prepared	Analyzed	Analyst	Qualifier
Inorganics									
Chlorine Dioxide		ND	mg/L	0.0500		10/05/09 16:11	10/5/09 17:37		TDL
SM 4500CN-C/E									
Cyanide (C)	1024	ND	mg/L	0.020	0.2	10/07/09	10/9/09 9:22		TDL
SM 4500-H B									
pH (C)		7.7	pH Units			10/05/09 16:28	10/6/09 11:33		MLH
SM 5530 B/D									
Phenolics		ND	mg/L	0.10		10/18/09	10/18/09 18:05		TDL

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ANALYSIS REPORT
URC # B9I2230

The Sweetwater Company, Inc. PO Box 70 Culver, OR 97734	Project: Finished Water Project #: N/P Client Cindy Boan	Date Reported: 11/19/09 Date Sampled: 10/05/09 12:48 Date Received: 09/22/09 16:04 Sampled By: Cindy Boan
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Sample Location: Finished Product

URC Sample #: B9I2230-01

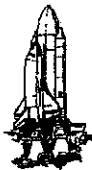
Matrix: Drinking Water

Analyte	Code	Result	Units	MRL	MCL	Prepared	Analyzed	Analyst	Qualifier
Metals									
EPA 200.8									
Aluminum		ND	mg/L	0.001		10/21/09	10/22/09 13:10	JMR	
Antimony (‡)	1074	0.0002	mg/L	0.0001	0.006	10/21/09	10/21/09 13:10	JMR	
Arsenic (‡)	1005	0.003	mg/L	0.001	0.01	10/21/09	10/21/09 13:10	JMR	
Barium (‡)	1010	ND	mg/L	0.200	2	10/21/09	10/21/09 13:10	JMR	
Beryllium (‡)	1075	ND	mg/L	0.00040	0.004	10/21/09	10/21/09 13:10	JMR	
Cadmium (‡)	1015	ND	mg/L	0.0005	0.005	10/21/09	10/21/09 13:10	JMR	
Chromium (‡)	1020	ND	mg/L	0.010	0.1	10/21/09	10/21/09 13:10	JMR	
Copper (‡)		ND	mg/L	0.130	1.3	10/21/09	10/21/09 13:10	JMR	
Lead (‡)	1030	ND	mg/L	0.002	0.015	10/21/09	10/21/09 13:10	JMR	
Manganese (‡)		ND	mg/L	0.001		10/21/09	10/21/09 13:10	JMR	
Nickel (‡)	1036	ND	mg/L	0.001	0.1	10/21/09	10/21/09 13:10	JMR	
Selenium (‡)	1045	ND	mg/L	0.005	0.05	10/21/09	10/21/09 13:10	JMR	
Thallium (‡)	1085	ND	mg/L	0.0002	0.002	10/21/09	10/21/09 13:10	JMR	
Zinc (‡)		ND	mg/L	0.100		10/21/09	10/21/09 13:10	JMR	
EPA 245.1									
Mercury (‡)	1035	ND	mg/L	0.001	0.002	10/19/09	10/20/09 9:21	JMR	
SM 3111B									
Iron (‡)		ND	mg/L	0.020	0.3	10/12/09	10/12/09 10:01	JMR	
Silver		ND	mg/L	0.010	0.1	10/12/09	10/12/09 9:33	JMR	

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PO Box 70	Project #: N/P	Date Sampled: 10/05/09 12:48
Culver, OR 97734	Client Cindy Boan	Date Received: 09/22/09 16:04
		Sampled By: Cindy Boan

Sample Location: Finished Product

URC Sample #: B9I2230-01

Matrix: Drinking Water

Analyte	Code	Result	Units	MRL	MCL	Prepared	Analyzed	Analyst	Qualifier
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Microbiology

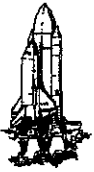
9223-B

E. coli (‡)		ND	MPN/100 mL	1.0	1	10/05/09 14:30	10/6/09 8:50	MLH	
Total Coliforms		ND	MPN/100 mL	1.0	1	10/05/09 14:30	10/6/09 8:50	MLH	

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Culver, OR 97734	Client Cindy Boan	Date Received: 09/22/09 16:04
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Sample Location: Finished Product

URC Sample #: B9I2230-01

Matrix: Drinking Water

Analyte	Code	Result	Units	MRL	MCL	Prepared	Analyzed	Analyst	Qualifier
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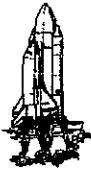
Organics

EPA 8270C

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ANALYSIS REPORT**URC # B9I2230**

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Sample Location: Finished Product

URC Sample #: B9I2230-01

Matrix: Drinking Water

Regulated Analyte	Code	Result	Units	MRL	MCL	Prepared	Analyzed	Analyst	Qualifier
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Organics**EPA 504.1**

Dibromochloropropane (‡)	2931	ND	mg/L	0.00002	0.0002	10/14/09	10/14/09 14:13	DBZ
Ethylene dibromide (‡)	2946	ND	mg/L	0.00001	0.00005	10/14/09	10/14/09 14:13	DBZ

EPA 508.1

Chlordane (‡)	2959	ND	mg/L	0.00004	0.002	10/19/09	10/28/09 2:40	DBZ
Toxaphene (‡)	2020	ND	mg/L	0.0001	0.003	10/19/09	10/28/09 2:40	DBZ
Aroclor-1016 (‡)	2383	ND	mg/L	0.00002	0.0005	10/19/09	10/28/09 2:40	DBZ
Aroclor-1221 (‡)	2383	ND	mg/L	0.00002	0.0005	10/19/09	10/28/09 2:40	DBZ
Aroclor-1232 (‡)	2383	ND	mg/L	0.00002	0.0005	10/19/09	10/28/09 2:40	DBZ
Aroclor-1242 (‡)	2383	ND	mg/L	0.00002	0.0005	10/19/09	10/28/09 2:40	DBZ
Aroclor-1248 (‡)	2383	ND	mg/L	0.00002	0.0005	10/19/09	10/28/09 2:40	DBZ
Aroclor-1254 (‡)	2383	ND	mg/L	0.00002	0.0005	10/19/09	10/28/09 2:40	DBZ
Aroclor-1260 (‡)	2383	ND	mg/L	0.00002	0.0005	10/19/09	10/28/09 2:40	DBZ

EPA 515.2

2,4-D (‡)	2105	ND	mg/L	0.00020	0.07	10/08/09	10/12/09 20:47	DBZ
2,4,5-TP (Silvex) (‡)	2110	ND	mg/L	0.00040	0.05	10/08/09	10/12/09 20:47	DBZ
Dinoseb (‡)	2041	ND	mg/L	0.00040	0.007	10/08/09	10/12/09 20:47	DBZ
Pentachlorophenol (‡)	2326	ND	mg/L	0.00008	0.001	10/08/09	10/12/09 20:47	DBZ
Picloram (‡)	2040	ND	mg/L	0.00020	0.3	10/08/09	10/12/09 20:47	DBZ

EPA 515.3

Dalapon (‡)	2031	ND	mg/L	0.002	0.2	10/16/09	10/26/09 18:43	DBZ
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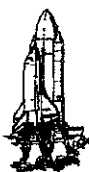
EPA 525.2

Alachlor (‡)	2051	ND	mg/L	0.0004	0.002	10/19/09	10/27/09 11:38	DBZ
Atrazine (‡)	2050	ND	mg/L	0.0002	0.003	10/19/09	10/27/09 11:38	DBZ
Benzo (a) pyrene (‡)	2306	ND	mg/L	0.00004	0.0002	10/19/09	10/27/09 11:38	DBZ

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ANALYSIS REPORT**URC # B9I2230**

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Sample Location: Finished Product

URC Sample #: B9I2230-01

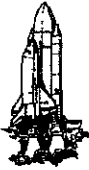
Matrix: Drinking Water

Regulated Analyte	Code	Result	Units	MRL	MCL	Prepared	Analyzed	Analyst	Qualifier
Organics									
gamma-BHC (Lindane) (‡)	2010	ND	mg/L	0.00002	0.0002	10/19/09	10/27/09 11:38	DBZ	
Bis-(2-ethylhexyl) adipate (‡)	2035	ND	mg/L	0.0010	0.4	10/19/09	10/27/09 11:38	DBZ	
Bis(2-ethylhexyl) phthalate (‡)	2039	ND	mg/L	0.0013	0.006	10/19/09	10/27/09 11:38	DBZ	
Endrin (‡)	2005	ND	mg/L	0.00002	0.002	10/19/09	10/27/09 11:38	DBZ	
Heptachlor (‡)	2065	ND	mg/L	0.00004	0.0004	10/19/09	10/27/09 11:38	DBZ	
Heptachlor epoxide (‡)	2067	ND	mg/L	0.00002	0.0002	10/19/09	10/27/09 11:38	DBZ	
Hexachlorobenzene (‡)	2274	ND	mg/L	0.0001	0.001	10/19/09	10/27/09 11:38	DBZ	
Hexachlorocyclopentadiene (‡)	2042	ND	mg/L	0.0002	0.05	10/19/09	10/27/09 11:38	DBZ	
Methoxychlor (‡)	2015	ND	mg/L	0.0002	0.04	10/19/09	10/27/09 11:38	DBZ	
Simazine (‡)	2037	ND	mg/L	0.0001	0.004	10/19/09	10/27/09 11:38	DBZ	
EPA 531.1									
Carbofuran (‡)	2046	ND	mg/L	0.004	0.04	11/02/09	11/2/09 9:34	N/A	SUB
Oxamyl (Vydate) (‡)	2036	ND	mg/L	0.004	0.2	11/02/09	11/2/09 9:34	N/A	SUB
EPA 547									
Glyphosate (‡)	2034	ND	mg/L	0.010	0.7	10/26/09	10/26/09 14:01	BEM	
EPA 548.1									
Endothall (‡)	2033	ND	mg/L	0.010	0.1	10/12/09	10/13/09 14:47	DBZ	
EPA 549.2									
Diquat Dibromide (‡)	2032	ND	mg/L	0.0004	0.02	10/07/09	10/22/09 8:48	BEM	

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Sample Location: Finished Product

URC Sample #: B9I2230-01

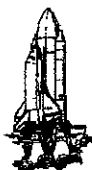
Matrix: Drinking Water

Unregulated Analyte	Code	Result	Units	MRL	MCL	Prepared	Analyzed	Analyst	Qualifier
Organics									
EPA 515.2									
Dicamba (‡)	2440	ND	mg/L	0.00050		10/08/09	10/12/09 20:47	DBZ	
EPA 525.2									
Aldrin (‡)	2356	ND	mg/L	0.0001		10/19/09	10/27/09 11:38	DBZ	
Butachlor (‡)	2076	ND	mg/L	0.0001		10/19/09	10/27/09 11:38	DBZ	
Dieldrin (‡)	2070	ND	mg/L	0.0001		10/19/09	10/27/09 11:38	DBZ	
Metolachlor (‡)	2045	ND	mg/L	0.0002		10/19/09	10/27/09 11:38	DBZ	
Metribuzin (‡)	2595	ND	mg/L	0.0001		10/19/09	10/27/09 11:38	DBZ	
Propachlor (‡)	2077	ND	mg/L	0.0001		10/19/09	10/27/09 11:38	DBZ	
EPA 531.1									
Aldicarb (‡)	2047	ND	mg/L	0.004		11/02/09	11/2/09 9:34	N/A	SUB
Aldicarb sulfone (‡)	2044	ND	mg/L	0.004		11/02/09	11/2/09 9:34	N/A	SUB
Aldicarb sulfoxide (‡)	2043	ND	mg/L	0.004		11/02/09	11/2/09 9:34	N/A	SUB
Carbaryl (‡)	2021	ND	mg/L	0.004		11/02/09	11/2/09 9:34	N/A	SUB
3-Hydroxycarbofuran (‡)	2066	ND	mg/L	0.004		11/02/09	11/2/09 9:34	N/A	SUB
Methomyl (‡)	2022	ND	mg/L	0.004		11/02/09	11/2/09 9:34	N/A	SUB

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PO Box 70	Project #: N/P	Date Sampled: 10/05/09 12:48
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		Sampled By: Cindy Boan

Sample Location: Finished Product

URC Sample #: B9I2230-01

Matrix: Drinking Water

Analyte	Code	Result	Units	MRL	MCL	Prepared	Analyzed	Analyst	Qualifier
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Organics

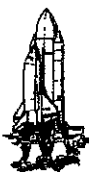
EPA 8270C

Naphthalene		ND	mg/L	0.0001		10/09/09	10/14/09 18:49	DBZ	
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UMPQUA Research Company

Teresa Mireles, Client Services

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UMPQUA Research Company
 738 SE Glenwood Dr., Bend, Oregon 97702
 (541) 312-9454 Fax: (541) 312-9456
 E-mail: BendLab@URCmail.net
 Internet: http://ChemLab.cc
 ORELAP ID# OR100052

ANALYSIS REPORT
URC # B9I2230

The Sweetwater Company, Inc. PO Box 70 Culver, OR 97734	Project: Finished Water Project #: N/P Client Cindy Boan	Date Reported: 11/19/09 Date Sampled: 10/05/09 12:48 Date Received: 09/22/09 16:04 Sampled By: Cindy Boan
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Sample Location: Finished Product

URC Sample #: B9I2230-01

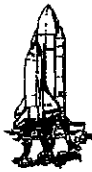
Matrix: Drinking Water

Regulated Analyte	Code	Result	Units	MRL	MCL	Prepared	Analyzed	Analyst	Qualifier
Volatile Organics									
EPA 524.2									
1,1,1-Trichloroethane (‡)	2981	ND	mg/L	0.0005	0.2	10/07/09	10/7/09 10:19	DBZ	
1,1,2-Trichloroethane (‡)	2985	ND	mg/L	0.0005	0.005	10/07/09	10/7/09 10:19	DBZ	
1,1-Dichloroethylene (‡)	2977	ND	mg/L	0.0005	0.007	10/07/09	10/7/09 10:19	DBZ	
1,2,4-Trichlorobenzene (‡)	2378	ND	mg/L	0.0005	0.07	10/07/09	10/7/09 10:19	DBZ	
1,2-Dichlorobenzene (‡)	2968	ND	mg/L	0.0005	0.6	10/07/09	10/7/09 10:19	DBZ	
1,2-Dichloroethane (‡)	2980	ND	mg/L	0.0005	0.005	10/07/09	10/7/09 10:19	DBZ	
1,2-Dichloropropane (‡)	2983	ND	mg/L	0.0005	0.005	10/07/09	10/7/09 10:19	DBZ	
1,4-Dichlorobenzene (‡)	2969	ND	mg/L	0.0005	0.075	10/07/09	10/7/09 10:19	DBZ	
Benzene (‡)	2990	ND	mg/L	0.0005	0.005	10/07/09	10/7/09 10:19	DBZ	
Carbon Tetrachloride (‡)	2982	ND	mg/L	0.0005	0.005	10/07/09	10/7/09 10:19	DBZ	
Chlorobenzene (‡)	2989	ND	mg/L	0.0005	0.1	10/07/09	10/7/09 10:19	DBZ	
cis-1,2-Dichloroethylene (‡)	2380	ND	mg/L	0.0005	0.07	10/07/09	10/7/09 10:19	DBZ	
Ethyl Benzene (‡)	2992	ND	mg/L	0.0005	0.7	10/07/09	10/7/09 10:19	DBZ	
Methylene Chloride (‡)	2964	ND	mg/L	0.0005	0.005	10/07/09	10/7/09 10:19	DBZ	
Styrene (‡)	2996	ND	mg/L	0.0005	0.1	10/07/09	10/7/09 10:19	DBZ	
Tetrachloroethylene (‡)	2987	ND	mg/L	0.0005	0.005	10/07/09	10/7/09 10:19	DBZ	
Toluene (‡)	2991	ND	mg/L	0.0005	1	10/07/09	10/7/09 10:19	DBZ	
trans-1,2-Dichloroethylene (‡)	2979	ND	mg/L	0.0005	0.1	10/07/09	10/7/09 10:19	DBZ	
Trichloroethylene (‡)	2984	ND	mg/L	0.0005	0.005	10/07/09	10/7/09 10:19	DBZ	
Vinyl chloride (‡)	2976	ND	mg/L	0.0005	0.002	10/07/09	10/7/09 10:19	DBZ	
Total Xylenes (‡)	2955	ND	mg/L	0.0015	10	10/07/09	10/7/09 10:19	DBZ	

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**UMPQUA Research Company**

738 SE Glenwood Dr., Bend, Oregon 97702

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ORELAP ID# OR100052

ANALYSIS REPORT**URC # B9I2230**

The Sweetwater Company, Inc. PO Box 70 Culver, OR 97734	Project: Finished Water Project #: N/P Client Cindy Boan	Date Reported: 11/19/09 Date Sampled: 10/05/09 12:48 Date Received: 09/22/09 16:04 Sampled By: Cindy Boan
---	--	--

Sample Location: Finished Product

URC Sample #: B9I2230-01

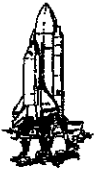
Matrix: Drinking Water

Unregulated Analyte	Code	Result	Units	MRL	MCL	Prepared	Analyzed	Analyst	Qualifier
Volatile Organics									
EPA 524.2									
1,1,1,2-Tetrachloroethane (‡)	2986	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
1,1,2,2-Tetrachloroethane (‡)	2988	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
Methyl-tert-butyl ether (‡)		ND	mg/L	0.0050		10/07/09	10/7/09 10:19	DBZ	
1,1-Dichloroethane (‡)	2978	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
1,1-Dichloropropene (‡)	2410	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	QM-03
1,2,3-Trichloropropane (‡)	2414	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
1,3-Dichlorobenzene (‡)	2967	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
1,3-Dichloropropane (‡)	2412	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
2,2-Dichloropropane (‡)	2416	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	QM-03
2-Chlorotoluene (‡)	2965	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
4-Chlorotoluene (‡)	2966	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
Bromobenzene (‡)	2993	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
Bromodichloromethane (‡)	2943	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
Bromoform (‡)	2942	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
Bromomethane (‡)	2214	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
Chloroethane (‡)	2216	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
Chloroform (‡)	2941	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	QM-03
Chloromethane (‡)	2210	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
cis-1,3-Dichloropropane (‡)	2413	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
Dibromochloromethane (‡)	2944	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
Dibromomethane (‡)	2408	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	
trans-1,3-Dichloropropene (‡)	2224	ND	mg/L	0.0005		10/07/09	10/7/09 10:19	DBZ	

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Internet: <http://ChemLab.cc>
ORELAP ID# OR100052

ANALYSIS REPORT
URC # B9I2230

Qualifiers and Definitions

SUB	Sub-contract
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference.
QM-05	The spike recovery was outside acceptance limits for the MS. The batch was accepted based on acceptable LCS recovery.
QM-03	The spike recovery was outside acceptance limits for the MS due to matrix interference. The LCS were within acceptance limits showing the analysis is in control and the data is acceptable.
QM-01	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the MRL (minimum reporting limit)
NA	Not Applicable
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MRL	Minimum Reporting Limit
MDL	Minimum Detection Limit
MCL	Maximum Contamination Level
(‡)	ORELAP Accredited Analyte
(~)	Due to rounding of individual analytes, the "total" may vary slightly from the sum of the individual analyte values.

UMPQUA Research Company

Teresa Mireles, Client Services

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LABORATORY ANALYTICAL REPORT

Client: Umpqua Research Company
Project: Not Indicated
Lab ID: C09100300-001
Client Sample ID: B912230-01

Report Date: 11/04/09
Collection Date: 10/05/09 12:48
Date Received: 10/07/09
Matrix: Drinking Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS							
Uranium	ND	mg/L		0.001	0.03	E200.8	10/09/09 06:23 / ts
Uranium, Activity	ND	pCi/L		0.7	20	E200.8	10/09/09 06:23 / ts
RADIONUCLIDES - TOTAL							
Gross Alpha	3.9	pCi/L			15	E900.0	10/31/09 02:22 / cgr
Gross Alpha precision (±)	1	pCi/L				E900.0	10/31/09 02:22 / cgr
Gross Alpha MDC	0.7	pCi/L				E900.0	10/31/09 02:22 / cgr
Gross Beta	2.5	pCi/L			50	E900.0	10/31/09 02:22 / cgr
Gross Beta precision (±)	1.5	pCi/L				E900.0	10/31/09 02:22 / cgr
Gross Beta MDC	1.5	pCi/L				E900.0	10/31/09 02:22 / cgr
Radium 226	-0.2	pCi/L	U			E903.0	10/31/09 15:21 / trs
Radium 226 precision (±)	0.1	pCi/L				E903.0	10/31/09 15:21 / trs
Radium 226 MDC	0.2	pCi/L				E903.0	10/31/09 15:21 / trs
Radium 228	1.0	pCi/L	U			RA-05	10/26/09 08:18 / plj
Radium 228 precision (±)	1.1	pCi/L				RA-05	10/26/09 08:18 / plj
Radium 228 MDC	1.1	pCi/L				RA-05	10/26/09 08:18 / plj
Radium 226 + Radium 228	0.8	pCi/L	U		5	A7500-RA	11/03/09 14:28 / res
Radium 226 + Radium 228 precision (±)	1.1	pCi/L				A7500-RA	11/03/09 14:28 / res
Radium 226 + Radium 228 MDC	1.1	pCi/L				A7500-RA	11/03/09 14:28 / res

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.
 U - Not detected at minimum detectable concentration



Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Drinking Water Analysis Results
2,3,7,8-TCDD -- USEPA Method 1613B

Tel: 612-607-1700
Fax: 612-607-6444

Sample ID..... B9I2230-01
Client..... UMPQUA Research Company
Lab Sample ID..... 10114280001

Date Collected.....09/21/2009
Date Received.....10/08/2009
Date Extracted.....10/12/2009

	Sample B9I2230-01	Method Blank	Lab Spike	Lab Spike Dup
[2,3,7,8-TCDD]	ND	ND	--	--
RL	5 pg/L	5 pg/L	--	--
2,3,7,8-TCDD Recovery	--	--	100%	103%
Spike Recovery Limit	--	--	73-146%	73-146%
RPD			3.2%	
IS Recovery	47%	62%	72%	73%
IS Recovery Limits	31-137%	31-137%	25-141%	25-141%
CS Recovery	58%	85%	88%	83%
CS Recovery Limits	42-164%	42-164%	37-158%	37-158%
Filename	D90916A_16	R91015B_13	R91015B_11	R91015B_12
Analysis Date	10/16/2009	10/16/2009	10/15/2009	10/15/2009
Analysis Time	12:56	00:18	23:10	23:44
Analyst	BAL	BAL	BAL	BAL
Volume	0.975L	1.038L	1.046L	1.047L
Dilution	NA	NA	NA	NA
ICAL Date	06/09/2009	10/15/2009	10/15/2009	10/15/2009
CCAL Filename	D90916A_02	R91015B_10	R91015B_10	R91015B_10

- ! = Outside the Control Limits
- ND = Not Detected
- RL = Reporting Limit
- Limits = Control Limits from Method 1613 (10/94 Revision), Tables 6A and 7A
- RPD = Relative Percent Difference of Lab Spike Recoveries
- IS = Internal Standard [2,3,7,8-TCDD-¹³C₁₂]
- CS = Cleanup Standard [2,3,7,8-TCDD-³⁷Cl₄]

Analyst: *Brian A. Lark*

Project No.....10114280