Appendices I-A

HBDIC Recharge Water Quality Testing:

Lab Results, Notes and Records

2004 Recharge Season

Main Identity (HYDRO)

From: "RICHERSON Phil" <Richerson.Phil@deq.state.or.us>
To: "Bob Bower" <bob.bower@wwbwc.org>; "Walla Walla River Irrigation District" <wwrid@qwest.net>; "Tony Justus" <tony.g.justus@wrd.state.or.us>; <Stephen.c.hall@usace.army.mil>; "Rick George" <rickgeorge@ctuir.com>; "Mike Ladd" <michael.f.ladd@wrd.state.or.us>; "Kevin Scribner" <ktscribner@gohighspeed.com>; "Jon Brough" <jon@gohighspeed.com>; "John Zerba" <wahs@bmi.net>; "John Warinner" <warinner@bmi.net>; "John Covert" <jcov461@ecy.wa.gov>; "Jim Chambers" <Jim.R.CHAMBERS@WRD.State.or.us>; "Gary James" <garyjames@ctuir.com>; "Donn Miller" <Donn.W.MILLER@wrd.state.or.us>; "Chris J Hyland" <chris.j.hyland@nww01.usace.army.mil>; "Brian Wolcott" <brian.wolcott@wwbwc.org>; "Brian Mayer OWRD-Wells Inspector" <brian.m.mayer@wrd.state.or.us>; "Bill Neve" <wnev461@ecy.wa.gov>; "Dan Evans GTH-Law" <devans@gth-law.com>
Cc: "WOLGAMOTT Mitch" <WOLGAMOTT.Mitch@deq.state.or.us>
Sent: Monday, April 19, 2004 8:32 AM
Subject: RE: Update

Bob,
After talking with my manager and several colleagues, we feel it would be OK to continue the recharge project for now, as long as fecal coliform is the only contaminant being detected in the source water and it is not being detected in the downgradient compliance wells. It would probably be a good idea to get the total count on the source water. The detection of pesticides in the source water would likely need to be handled differently. Please keep me up to date on your analytical (and hydrologic) results.
Thanks,
Phil Richerson
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Phil Richerson
Nonpoint Source Hydrogeologist
Oregon Department of Environmental Quality
700 SE Emigrant, #330
Pendleton, OR 97801
(541) 278-4604
(541) 278-0168 fax
Richerson.Phil@deq.state.or.us

-----Original Message-----
From: Bob Bower [mailto:bob.bower@wwbwc.org]
Sent: Monday, April 19, 2004 9:15 AM
To: Walla Walla River Irrigation District; Tony Justus; Stephen.c.hall@usace.army.mil; Rick George; RICHERSON Phil; Mike Ladd; Kevin Scribner; Jon Brough; John Zerba; John Warinner; John Covert; Jim Chambers; Gary James; Donn Miller; Chris J Hyland; Brian Wolcott; Brian Mayer OWRD-Wells Inspector; Bill Neve; Dan Evans GTH-Law
Subject: Update
Importance: High

Greetings,

Well a mixed bag of information this morning. I will start with the down side:

Kuo testing sent us notice that the water quality samples we took last week produced a PRESENT hit for Fecal Coliforms. The observation well we were also measuring was **negative** for the same test, which is really good news. After talking with Phil Richardson (DEQ), the best course of action is to shut the project down and re-test the sample water and well water. I will drive this morning and get the bottles and sample the water this afternoon. We should have results by weeks end. I have shut down the project as of this am.

The **good news** is that all three ponds have been completed and the aquifer (downloaded monitoring wells
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

this am) were continuing to climb. I also drove down to the headwaters of Johnson Creek, which for as long as I can remember has been dry, there was **water in the creek** bottom this morning.

I have to say I am a bit disappointed in the positive hit for fecals. Things were moving along so well. We will resample and see where that takes us. All of the other tests we have done thus far have been "no detection" so this is the first major road block in the project. A total count will provide a lot more information. I have ordered several to make sure we have QA/QC.

I will of course keep you all posted.

Bob Bower

Bob Bower

From: "Bob Bower" <bob.bower@wwbwc.org>
To: "Walla Walla River Irrigation District" <wwrid@qwest.net>; "Tony Justus" <tony.g.justus@wrd.state.or.us>; <Stephen.c.hall@usace.army.mil>; "Rick George" <rickgeorge@ctuir.com>; "Phil Richerson" <RICHERSON.Phil@deq.state.or.us>; "Mike Ladd" <michael.f.ladd@wrd.state.or.us>; "Kevin Scribner" <ktscribner@gohighspeed.com>; "Jon Brough" <jon@gohighspeed.com>; "John Zerba" <wahs@bmi.net>; "John Warinner" <warinner@bmi.net>; "John Covert" <jcov461@ecy.wa.gov>; "Jim Chambers" <Jim.R.CHAMBERS@WRD.State.or.us>; "Gary James" <garyjames@ctuir.com>; "Donn Miller" <Donn.W.MILLER@wrd.state.or.us>; "Dan Evans GTH-Law" <devans@gth-law.com>; "Chris J Hyland" <chris.j.hyland@nww01.usace.army.mil>; "Brian Wolcott" <brian.wolcott@wwbwc.org>; "Brian Mayer OWRD-Wells Inspector" <brian.m.mayer@wrd.state.or.us>; "Bill Neve" <wnev461@ecy.wa.gov>; "Tom Darnell" <Thomas.Darnell@orst.edu>
Cc: "WOLGAMOTT Mitch" <WOLGAMOTT.Mitch@deq.state.or.us>; "Stephanie Eaton" <stephanie.eaton@wwbwc.org>; "Gina Massoni" <gina.massoni@wwbwc.org>; "Eric Pfeifer" <pfeifdog@whitties.org>; "Rivera Chris" <chris.rivera@wwbwc.org>; "Brian Wolcott" <brian.wolcott@wwbwc.org>; "Bob Chicken" <bob.chicken@wwbwc.org>; "Bob Bower" <Bob.bower@wwbwc.org>
Sent: Thursday, April 22, 2004 11:34 AM
Subject: WQ update

Good morning,

Some news on the recharge site (left voice mail with Phil).

After our fecal coliform hit at the intake site (ditch water) last week, I did a battery of fecal and E. coli (CFU counts) samples on:

(1) Intake (ditch water)
(2) Well 1 (downgradient obs well, influenced by project water)
(3) Well 3 (upgradient control well).

I just received the results this am (via phone and fax):

Recharge Intake was **fecal 40 cfus, E. Coli 24.1 (cfus = colony forming units per 100 ml)**
Well # 1 **fecal 3.1 cfus, E. Coli 2.0**
Upgradient control Well # 3 **fecal 14.8, E. Coli 7.5**

In my opinion this is what I believe is going on (knowing that this a very small sample size).

We know that the ditch by itself brought up the aquifer ~20 feet **before** we turned on the recharge project. I would guess that the ditch is the main vector for movement of the bacteria based on reported concentrations and the aquifer static being dramatically influenced by the ditch without the project being on. I would say that the problem may be background all along the ditch back to where ever the source is. I have 12 more fecal/e. coli concentration (cfus) tests ordered (here Monday) that I was going to use to move back up gradient of the site and test both ditch and wells along the way. I would also take three samples from Well #1 (recharge influenced) ~ throughout a 24 hour period, to see if this is an episodic plume type event. whenever sample well 1, sample #3

As I told Phil on the phone, hind site is 20-20. We have WQ samples for the conditions before the ditch was on, and after the ditch AND the recharge project were running. What we missed was a WQ sample with JUST the ditch on, which would provide us with a better background condition for the recharge operation. We can capture that when we turned off the project and sample before the ditch goes off. One thing we can definitely refine for next year's recharge season.

In my thesis work in the Tillamook watershed, we saw that septic related feces in river/streams appeared to trend with time of day. Early morning and evenings when people are home, using their toilets, showers, etc. Certainly

with the nature of our substrate here and how quickly water moves, that would seem a logical guess for our valley as well. Fecal bacteria are enteric (intestinal tracks) and are not very fond of a climate outside of the 96 degrees F range. As all our samples are early morning, it makes sense we might be capturing a daily upgradient septic plume. Of course, I need a lot more information before I can start shoring up theories like these. Also one thing I learned from that work was how variable FC and E.Coli concentrations could be even between samples collected at the same time, so concentrations from just a few samples are always something to use carefully.

****

So to clarify what I would propose to move forward with as our **sampling plan:**

Set 1:

12 additional fecal/e.coli cfus tests (this next early Monday)

Questions: Is this fecal presence background conditions? Does it come from areas around ditch or WW River?

Period: early morning

2 samples in ditch moving back upgradient toward WW River
4 on site samples (intake, well 1 (x 2 for 10 % repeatability QA/QC) and control well 3)
3 samples in upgradient wells (we have several I could use staggered up along the ditch) (Hypothesis: fecals are back ground to this system).

Question: Chronic or episodic fecal events?

Period: 24 hour period (Wednesday next week)

4 samples at well #3 through out the rest of a 24 hour period (about 8 hours apart, 1 extra at Well 1 for 10% QA/QC repeatability). Give us more information on the idea of if this is a chronic condition or episodic events.

Set 2:

Question: Is this fecal presence persistent? Does it get worse/better?

Period: 2-3 days

CFU samples (fecal/e.coli) at OBS well 3 until end of project.

(*** and possibly more fecal depending on results from Set 1 sampling)

Final Set 3:

Question: Is this a background condition associate with common ditch operations?

Period: 2-3 days after project offline, ditch still running full.

Full set of analytes and FC cfu testing at Intake and Well #1

JUST FC cfu at Well #3

****

Thoughts, concerns or questions?

We get our EPA analyte results late Friday, I will keep you all posted.

Cheers,

Bob Bower

Fecal Coliform testing

Surface

Frog @ 7:50 am

FC-1 4/29/4

temp = 6.3°C

NS = 52.7

FC-2 @ Winesap

@ 8:06

4/29/4

temp = 6.5

NS = 53.1

FC-3 Intake

time 9:30 am

4/29/4

NS = 52.9

temp = 7.4

Wells

FC-3 GW 40

(Gravel - handdug well @ Edwards / (countyRd)

4/29/4

8:20 am

NS = 73.0

temp = 10.6

used sterile evabailer

static 35' + 9"

from TOC

FC-4a GW 47

4/29/4 8:35

NS = 79.1

temp = 14.0

static = 25'

Sterile evabailer

Duplicate sample (gA/gc)

FC-4b

taken same time

FC-5 OBS well #1 GW-48

4/29/4

time 9:12 am

static: 20' +8" NS = [illegible]

temp 13.0

Wells Duplicate

FC-7

Hulette Irrigation well GW39

4/29/4

9:50 am

NS = 128.7

temp = 13.8

static = 35' + 27"

FC-8

old Johns house (countyRd. Downgradient

4/29/4

10:30

NS = 276.4

temp = 16.2

static = 35' - 4"

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 5/21/2004
DATE RECEIVED: 5/21/2004
DATE REPORTED: 6/2/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70881	OBS Well #1	COD	11	8	mg/L	Qian
70881	OBS Well #1	TKN as Nitrogen	<0.72	0.72	mg/L	Qian
70881	OBS Well #1	Chloride	ND	0.03	mg/L	Qian
70881	OBS Well #1	Orthophosphate as P	0.20	0.037	mg/L	Qian
70881	OBS Well #1	Total Dissolved Solids	<20.3	20.3	mg/L	Qian

CHLORIDE

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit

Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

06-09-04
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 4/13/2004
DATE RECEIVED: 4/14/2004
DATE REPORTED: 4/23/2004
SEND REPORT TO:

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	DESCRIPTION	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70295	Well #1	Chloride	N/D	0.297	mg/L	Qian
70295	Well #1	TKN as Nitrogen	<0.72	0.72	mg/L	Qian
70295	Well #1	Total Dissolved Solids	<20.3	20.3	mg/L	Qian
70295	Well #1	Orthophosphate as P	0.19	0.037	mg/L	Qian
70295	Well #1	COD	55	8	mg/L	Qian

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Mollydan for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

April 23, 2004
Date

Kuo Testing Labs, Inc.

337 South 1st
Othello, Washington 99344
(509) 488-0112; Fax (509) 488-0118

Agricultural - Industrial - Environmental

INVOICE #	04-04-348
INVOICE DATE	04/23/04
CLIENT #	WWB2170
PURCHASE ORDER#	

Client: W.W.B.W.C.
Address: PO Box 68
MiltonFreewater, OR 97862

PN :

Project :

Grower :

Sampler : Bob Bower

RptNo	RptDate	Field Identifier	Test	Description	Qty	Price	Extension
E70291	04/14/04	Intake,Well #1	A17-1	Ortho-P	2	25.00	50.00
E70291	04/14/04	Intake,Well #1	A18-5	Dissolved Solids	2	25.00	50.00
E70291	04/14/04	Intake,Well #1	A2-4	TKN	2	35.00	70.00
E70291	04/14/04	Intake,Well #1	A8	COD	2	32.00	64.00
E70291	04/14/04	Intake,Well #1	A9-2	Chloride	2	18.00	36.00

Notes: 04-04-348

Invoice Total	270.00
Discount 0 %	-0.00
FAX Charge	0.00
Invoice Total Due	$270.00
Due Date	05/23/04

Terms: Net 30 days following date of invoice. Invoices not paid in 30 days will be subject to interest charged at 1.5% per month (18% per year) with a minimum charge of 50 cents.

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 4/13/2004
DATE RECEIVED: SEND REPORT TO: 4/14/2004
DATE REPORTED: 4/23/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70295	Well #1	Chloride	N/D	0.297	mg/L	Qian
70295	Well #1	TKN as Nitrogen	<0.72	0.72	mg/L	Qian
70295	Well #1	Total Dissolved Solids	<20.3	20.3	mg/L	Qian
70295	Well #1	Orthophosphate as P	0.19	0.037	mg/L	Qian
70295	Well #1	COD	55	8	mg/L	Qian

<0.001): indicates the analyte was not detected at or above the concentration indicated.
None Detected
L:Indicates milligrams per litre
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Please check out our new Web Site at http://www.kuotesting.com

Molly Lin for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

April 23, 2004
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
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Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 4/13/2004
DATE RECEIVED: 4/14/2004
DATE REPORTED: 4/23/2004
SYSTEM / CUSTOMER
SEND REPORT TO

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70291	Intake	COD	21	8	mg/L	Qian
70291	Intake	Total Dissolved Solids	<20.3	20.3	mg/L	Qian
70291	Intake	TKN as Nitrogen	<0.72	0.72	mg/L	Qian
70291	Intake	Chloride	N/D	0.297	mg/L	Qian
70291	Intake	Orthophosphate as P	0.21	0.037	mg/L	Qian

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Molly Lee for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

April 23, 2004
Date

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DATE COLLECTED: 4/13/2004
DATE RECEIVED: 4/14/2004
DATE REPORTED: 4/23/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:

Bob Bower
PO Box 68
Milton Freewater OR 97862
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70295	Well #1	Total Dissolved Solids	<20.3	20.3	mg/L	Qian
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MDL: Method Detection Limit
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Mollydin for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

April 23 2004
Date

Kuo Testing Labs, Inc.

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Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 4/13/2004
DATE RECEIVED: 4/14/2004
DATE REPORTED: 4/23/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

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70291	Intake	COD	21	8	mg/L	Qian
70291	Intake	Total Dissolved Solids	<20.3	20.3	mg/L	Qian
70291	Intake	TKN as Nitrogen	<0.72	0.72	mg/L	Qian
70291	Intake	Chloride	N/D	0.297	mg/L	Qian
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Molly Kuo for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

April 23, 2004
Date

Orig. 6/1/04 Fwd to Guy

Kuo Testing Labs, Inc.
337 South 1st
Othello, Washington 99344
(509) 488-0112; Fax (509) 488-0118

Agricultural - Industrial - Environmental

INVOICE # 04-04-227
INVOICE DATE 04/16/04
CLIENT # WWB2170
PURCHASE ORDER#

Client: W.W.B.W.C.
Address: PO Box 68
MiltonFreewater, OR 97862

PN :

Project :

Grower :

Sampler : Bob Bower

RptNo	RptDate	Field Identifier	Test	Description	Qty	Price	Extension
E70053	04/02/04	Well #1	A17-1	Ortho-P	1	25.00	25.00
E70053	04/02/04	Well #1	A18-5	Dissolved Solids	1	25.00	25.00
E70053	04/02/04	Well #1	A2-4	TKN	1	35.00	35.00
E70053	04/02/04	Well #1	A8	COD	1	32.00	32.00
E70053	04/02/04	Well #1	A9-2	Chloride	1	18.00	18.00

Notes: 04-04-227

Terms: Net 30 days following date of invoice. Invoices not paid in 30 days will be subject to interest charged at 1.5% per month (18% per year) with a minimum charge of 50 cents.

Invoice Total		135.00
Discount	0 %	-0.00
FAX Charge		0.00
Invoice Total Due		$135.00
Due Date		05/16/04

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 4/2/2004
DATE RECEIVED: 4/2/2004
DATE REPORTED: 4/14/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70053	Well #1	COD	20	8	mg/L	Qian
70053	Well #1	TKN as Nitrogen	<0.72	0.72	mg/L	Qian
70053	Well #1	Chloride	ND	0.72	mg/L	Qian
70053	Well #1	Orthophosphate as P	0.206	0.037	mg/L	Qian
70053	Well #1	Total Dissolved Solids	<20.3	20.3	mg/L	Qian

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ND: None Detected
mg/L:Indicates milligrams per litre
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MDL: Method Detection Limit
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Mollylin for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

April 14, 2004
Date

VALLEY Environmental Laboratory

Washington State Certified Lab #153 - DOE Accredited Lab C345

Please File Under: WWBWC

Fecal Coliform / E. coli

Lab/Sample No: Below	Date Collected: 04/20/04	
Date Received: 04/20/04	Date Reported: 04/21/04	Supervisor: DCR
Sample Location:		Invoice#: 2033

Send Report To:
KUO Testing Labs, Inc
337 South 1st
Othello, WA 99344

Sample Information Matrix: Water
70358 - Intake
70359 - Well #1
70360 - Well #3

Fecal Coliform / E. coli Intake Well #1 Well #3

VEL Sample Number:		15342008	15342009	15342010				
Sample ID/Location:		70358	70359	70360				
Analyte	Units	Results	Results	Results		Method	Date Analyzed	Analyst
Fecal Coliform	CFU/100mL	40.0	3.1	14.8		SM 9222D	04/21/04	BKO
E. Coli	MPN/100mL	24.1	2.0	7.5		SM 9223B	04/21/04	BKO

FECALS

MRL (Method Reporting Level): Indicates the minimum reporting level required and obtained by the laboratory (always > MDL).

Trigger: DOH Drinking Water response level.

MCL (maximum contaminant level): Highest level recommended by the federal government for public water systems.

ND (Not Detected): Indicates this compound was analyzed and not detected at a level greater than or equal to the MRL.

Approved By:

42008-fcec

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

To Phil
Richardson
ODEQ

DATE COLLECTED 20/2004

DATE RECEIVED 4/20/2004

DATE REPORTED 4/22/2004

SEND REPORT TO

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CLIENT SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
70358	Intake	Fecal Coliform	40.0	2	MPN/100ml	Valley Labs
70358	Intake	Fecal E-Coli	24.1	2	MPN/100ml	Valley Labs

<(0.001): Indicates the analyte was not detected at or above the concentration indicated
ND. None Detected
mg/L:Indicates milligrams per litre
* PQL-Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL. Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Melissa for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

April 22, 2004
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 4/20/2004
DATE RECEIVED: 4/20/2004
DATE REPORTED: 4/22/2004
SYSTEM/ CUSTOMER #:
SEND REPORT TO:

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
70359	Well #1	Fecal Coliform	3.1	2	MPN/100ml	Valley Labs
70359	Well #1	Fecal E-Coli	2.0	2	MPN/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
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MDL: Method Detection Limit
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Molly Kuo for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

April 22, 2004
Date

Kuo Testing Labs, Inc.

337 South 1st
Othello, Washington 99344
(509) 488-0112; Fax (509) 488-0118

Agricultural - Industrial - Environmental

INVOICE #	04-04-320
INVOICE DATE	04/23/04
CLIENT #	WWB2170
PURCHASE ORDER#	

Client: W.W.B.W.C.
Address: PO Box 68
MiltonFreewater, OR 97862

PN :

Project :

Grower :

Sampler : Bob Bower

RptNo	RptDate	Field Identifier	Test	Description	Qty	Price	Extension
E70358	04/20/04	Intake,Well #1,Well #3	FECAL	Fecal Coliform	3	67.50	202.50

Notes: 04-04-320

Invoice Total		202.50
Discount	0 %	-0.00
FAX Charge		0.00
Invoice Total Due		$202.50
Due Date		05/23/04

Terms: Net 30 days following date of invoice. Invoices not paid in 30 days will be subject to interest charged at 1.5% per month (18% per year) with a minimum charge of 50 cents.

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DATE COLLECTED: 4/20/2004
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DATE REPORTED: 4/22/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70358	Intake	Fecal Coliform	40.0	2	MPN/100ml	Valley Labs
70358	Intake	Fecal E-Coli	24.1	2	MPN/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
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Mollyann for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

April 22, 2004
Date

EDGE ANALYTICAL
The lab you can trust!

Burlington WA | 1620 S Walnut St - 98233
Corporate Office | 800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA | 805 Orchard Dr Suite 4 - 98225
Microbiology | 360.671.0688 • 360.671.1577fax

QUALITY CONTROL REPORT
BLANK REPORT

Reference Number: 06-06951
Report Date: 12/12/06

Batch	Analyte	Result	Units	Limit	QC Qualifier	Method	Type*	Comments
COD_060609	CHEMICAL OXYGEN DEMAND	ND	mg/L	4.00		SM5220 D	LRB	
I060602A	CHLORIDE	ND	mg/L	0.10		300.0	LRB	
TDS_060607	TOTAL DISSOLVED SOLIDS	ND	mg/L	10.00		SM2540 C	LRB	
TKN-060621	TOTAL KJELDAHL NITROGEN	ND	mg/L	1.00		SM4500-Norg C	LRB	
TKN-060621	TOTAL KJELDAHL NITROGEN	ND	mg/L	0.12		SM4500-Norg C	MB	

*Notation:

LRB: Laboratory Reagent Blanks are used to determine the background level of the analytes in a laboratory batch. Therefore, this report may include analytes not requested for your submitted samples.

MB: Method Blanks are used to determine background levels of analytes in digested and extracted laboratory reagent water.

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Microbiology | 360.671.0688 • 360.671.1577fax

QUALITY CONTROL REPORT
QCS/LFB REPORT

Reference Number: 06-06951
Report Date: 12/12/06

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
COD_060609	CHEMICAL OXYGEN DEMAND	48	50	mg/L	SM5220 D	96	80-120		LFB	
TDS_060607	TOTAL DISSOLVED SOLIDS	474	500	mg/L	SM2540 C	95	80-120		LFB	
	TOTAL DISSOLVED SOLIDS	482	500	mg/L	SM2540 C	96	80-120		LFB	
TKN-060621	TOTAL KJELDAHL NITROGEN	4.06	4.00	mg/L	SM4500-Norg C	102	80-120		LFB	
TKN-060621	TOTAL KJELDAHL NITROGEN	4.00	4.00	mg/L	SM4500-Norg C	100	80-120		LFB	
COD_060609	CHEMICAL OXYGEN DEMAND	120	127	mg/L	SM5220 D	94	80-120		QCS	
I060602A	CHLORIDE	29	30	mg/L	300.0	97	80-120		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

FORM: cLFB

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Microbiology | 360.671.0688 • 360.671.1577fax

QUALITY CONTROL REPORT

Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Reference Number: 06-06951
Report Date: 12/12/2006

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
COD_060609									
I060602A									
	14252	CHLORIDE	13	13	mg/L	0.0	0-45	DUP	
TDS_060607									
	14154	TOTAL DISSOLVED SOLIDS	278	286	mg/L	2.8	0-45	DUP	
	14243	TOTAL DISSOLVED SOLIDS	210	207	mg/L	1.4	0-45	DUP	
TKN-060621									
	14174	TOTAL KJELDAHL NITROGEN	146	150	mg/L	2.7	0-45	DUP	
	14583	TOTAL KJELDAHL NITROGEN	1.20	1.28	mg/L	6.5	0-45	DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 06-06951
Report Date: 12/12/2006

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	%RPD Limits	QC Qualifier	Comments
COD_060609														
	14226	CHEMICAL OXYGEN DEMAND	ND	52	48	50	mg/L	104	96	80-120	8.0	0-60	LFM	
I060602A														
	14146	CHLORIDE	ND	1.1		1.00	mg/L	110	NA	80-120	NA	0-60	LFM	
TKN-060621														
	14175	TOTAL KJELDAHL NITROGEN	7.74	11.5		4.00	mg/L	94		80-120	NA	0-60	LFM	
	14675	TOTAL KJELDAHL NITROGEN	7.94	12.4		4.00	mg/L	112		80-120	NA	0-60	LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Kuo Testing Labs, Inc.
337 South 1st
Othello, Washington 99344
(509) 488-0112; Fax (509) 488-0118

Agricultural - Industrial - Environmental

INVOICE # 04-05-074
INVOICE DATE 05/07/04
CLIENT # WWB2170
PURCHASE ORDER#

Client: W.W.B.W.C.
Address: PO Box 68
MiltonFreewater, OR 97862

PN :

Project :

Grower :

Sampler : Bob Bower

RptNo	RptDate	Field Identifier	Test	Description	Qty	Price	Extension
E70498	04/30/04	FC-1, Frog,FC-2. Winesap Rd.,FC-3, Well GW-40,FC-4b OBS Well #3,FC-5 OBS Well #1,FC-7 GW-39,FC-8 GW-60 (John),GW-47 OBS Well #3,Intake,OBS Well #1 9:35P,OBS Well #1 6:40A,OBS Well #3 9:00P,OBS Well#3 6:30A	FECAL	Fecal Coliform	13	67.50	877.50

Notes: 04-05-074

Invoice Total		877.50
Discount	0 %	-0.00
FAX Charge		0.00
Invoice Total Due		$877.50
Due Date		06/06/04

Terms: Net 30 days following date of invoice. Invoices not paid in 30 days will be subject to interest charged at 1.5% per month (18% per year) with a minimum charge of 50 cents.

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Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 4/29/2004
DATE RECEIVED: SEND REPORT TO: 4/30/2004
DATE REPORTED: 5/4/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70498	FC-1, Frog	Fecal Coliform	12.2	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
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Dr. Eugene Kuo, Quality Assurance Coordinator

05-04-04
Date

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SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:
Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70499	FC-2. Winesap Rd.	Fecal E-Coli	4.1	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
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Project Name:

SEND REPORT TO:
Bob Bower
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Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70500	FC-3, Well GW-40	Fecal E-Coli	<1	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
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05-04-04
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FC-4b, Obswell 3

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W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:
Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70501	FC-4b, OBS Well #3	Fecal E-Coli	3.1	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
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SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70502	FC-5, OBS Well #1	Fecal E-Coli	11.0	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
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Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70503	FC-7, GW-39	Fecal E-Coli	<1	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
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SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70504	FC-8, GW-60 (John)	Fecal E-Coli	<1	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
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Dr. Eugene Kuo, Quality Assurance Coordinator

05-04-04
Date

GW-47, Obswell 3

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DATE COLLECTED: 4/29/2004
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Milton Freewater OR 97862
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SEND REPORT TO:
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PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70505	GW-47, OBS Well #3	Fecal E-Coli	2.0	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
L:Indicates milligrams per litre
QL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
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Dr. Eugene Kuo, Quality Assurance Coordinator

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Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70506	Intake	Fecal E-Coli	1.0	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
None Detected
L:Indicates milligrams per litre
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SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70507	OBS Well #1, 9:35p	Fecal E-Coli	5.2	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
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SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70508	OBS Well #1, 6:40a	Fecal E-Coli	9.7	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
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MDL: Method Detection Limit
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05-04-04
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PO Box 68
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Project Name:

SEND REPORT TO

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70509	OBS Well #3, 9:00p	Fecal E-Coli	3.0	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
L:Indicates milligrams per litre
PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

05-04-04
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 4/29/2004
DATE RECEIVED: 4/30/2004
DATE REPORTED: 5/4/2004
SEND REPORT TO:

SYSTEM/CUSTOMER:

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70503	FC-7, GW-39	Fecal E-Coli	<1	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
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Project Name:

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Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70504	FC-8, GW-60 (John)	Fecal E-Coli	<1	2	CFU//100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
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MDL: Method Detection Limit
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SYSTEM / CUSTOMER

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PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70505	GW-47, OBS Well #3	Fecal E-Coli	2.0	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
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MDL: Method Detection Limit
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SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70506	Intake	Fecal E-Coli	1.0	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
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MDL: Method Detection Limit
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Dr. Eugene Kuo, Quality Assurance Coordinator

05-04-04
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DATE COLLECTED: 4/29/2004
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SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70507	OBS Well #1, 9:35p	Fecal E-Coli	5.2	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L Indicates milligrams per litre
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MDL: Method Detection Limit
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E H Kuo

Dr. Eugene Kuo, Quality Assurance Coordinator

05-04-04

Date

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W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:
Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70508	OBS Well #1, 6:40a	Fecal E-Coli	9.7	2	CFU/100ml	Valley Labs

<(0.001): Indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
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MDL: Method Detection Limit
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Dr. Eugene Kuo, Quality Assurance Coordinator

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Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70509	OBS Well #3. 9:00p	Fecal E-Coli	3.0	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L Indicates milligrams per litre
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MDL: Method Detection Limit
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Dr. Eugene Kuo, Quality Assurance Coordinator

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PO Box 68
Milton Freewater OR 97862
Project Name:

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Milton Freewater OR 97862
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SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70510	OBS Well#3, 6:30a	Fecal E-Coli	5.2	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
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MDL: Method Detection Limit
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Dr. Eugene Kuo, Quality Assurance Coordinator

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W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
70498	FC-1, Prog	Fecal Coliform	12.2	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
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MDL: Method Detection Limit
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SYSTEM / CUSTOMER:

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PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
70499	FC-2. Winesap Rd.	Fecal E-Coli	4.1	2	CFU/100ml	Valley Labs

<(0.001). indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
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MDL: Method Detection Limit
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SYSTEM / CUSTOMER

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PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70500	FC-3, Well GW-40	Fecal E-Coli	<1	2	CFU/100ml	Valley Labs

c(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
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MDL: Method Detection Limit
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SYSTEM / CUSTOMER

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PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70502	FC-5, OBS Well #1	Fecal E-Coli	11.0	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
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MDL: Method Detection Limit
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Dr. Eugene Kuo, Quality Assurance Coordinator

05-04-04
Date

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Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 4/29/2004
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DATE REPORTED: 5/4/2004

SYSTEM/CUSTOMER:
W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:
Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
70501	FC-4b, OBS Well #3	Fecal E-Coli	3.1	2	CFU/100ml	Valley Labs

<(0.001) indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
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MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

05-04-04
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue
Othello, WA 99344
509-488-0112
Fax: 509-488-0118 or 509-488-6865

Date: 5/4/04

To: Bob Bower Fax No: _____

From: mary

Subject: _____

Message: _____

Number of Pages to Follow: _____ Pages

Return Fax No: 509-488-0118 or 509-488-6865

If Problems with Transmission, Call 509-488-0112

Kuo Testing Labs, Inc.

337 South 1st Avenue Othello, WA 99344
(509)488-0112 (800)328-0112 Fax (509)488-0118 Web Site http://www.kuotesting.com

INORGANIC CHEMICALS (IOCS) REPORT FOR NITRATES

Type of System: **Individual**

Water System/Customer Name: **W.W.B.W.C.** PWS ID No.:**41**

System Address **PO Box 68**

CITY **Milton Freewater** County **Umatilla** ZIP **97862**

Sample Location: **Intake**

Date Collected: **4/13/2004** *Date Received:* **4/14/2004** *Date Analyzed:* **4/15/2004**

Laboratory No.:WA060-70290 *Date Reported:* **4/15/2004**

Party To Pay for Testing: **W.W.B.W.C** Send Results to: **Bob Bower**

PO Box 68 **PO Box 68**

Milton Freewater OR 97862 **Milton Freewater OR 97862**

Contaminant - Method	Code	MCL mg/L	Analyst	Analysis mg/L
Nitrate (NO3- N)SM4500-NO3-D	1040	10.	Qian	ND
Nitrite (NO2-N)SM4500-NO2-B	1041	1.0		
Nitrite + Nitrate	1038	10.		

NOTES:

MCL (Maximum Contaminant Level): if the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): in the results column indicates this compound was not included in the current analysis.

ND (Not Detected): in the results column indicates thie compound was analyzed and not detected at a level greater than or equal to the value shown.

mg/L: indicates milligrams per liter or parts per million.

<0.100: indicates the compound was detected but at a value below the concentration indicated.

Comments: See our new Web Site at **http://www.kuotesting.com**

Mallyeun for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

April 15, 2004
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue
Othello, WA 99344
509-488-0112
Fax: 509-488-0118 or 509-488-6865

Date: 10/28/03

To: Bob Fax No: _____

From: Renay

Subject: _____

Message: If you have any questions please call. Thank You

Number of Pages to Follow: _____ Pages

Return Fax No: 509-488-0118 or 509-488-6865

If Problems with Transmission, Call 509-488-0112

Agricultural Industrial Environmental

KUO TESTING LABS, INC 337 South 1st, Othello, Washington 99344 Tel: (509) 488-0112 Fax: (509) 488-0118

Dear Bob,

Sorry it has taken so long to get you this list, but we were waiting for the other lab, and they just faxed it to me today. This is a list of what the lab can do, the method and the price. Pricing assumes standard ten to fourteen working day turnaround time.

Analysis	Method	Price
Trifloxystrobin, Water or Soil	Modified EPA 8081	$164.70/Ea.
Triadimefon and Triflumazole, Water or Soil	Modified EPA 8270	$191.70/Ea.
Imidicloprid, Water only	Modified EPA 632	$182.25/Ea.
Spinosad, Water only	Manufacturer's Method	$182.25/Ea.

If you have any questions regarding this price quote, please do not hesitate to call.

Sincerely,

Renay Jorgensen

Renay Jorgensen

This analysis is for water only.
The Price is $815.40.

EDGE ANALYTICAL

HERBICIDES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number:

Project:

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose:
Sample Location:
County:

Field ID:
Lab Number:
Date Collected:
Date Extracted:
Date Analyzed:
Report Date:
Analyst:
Supervisor: TW

EPA Method 515.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
37	2,4 - D	ND	ug/L	0.2	0.2	70	
38	2,4,5 - TP (SILVEX)	ND	ug/L	0.4	0.4	50	
134	PENTACHLOROPHENOL	ND	ug/L	0.08	0.08	1	
137	DALAPON	ND	ug/L	2	2	200	
139	DINOSEB	ND	ug/L	0.4	0.4	7	
140	PICLORAM	ND	ug/L	0.2	0.2	500	
	EPA Unregulated						
138	DICAMBA	ND	ug/L	0.2	0.2		
	State Unregulated						
135	2,4 DB	ND	ug/L	1	1.0		
136	2,4,5 T	ND	ug/L	0.4	0.4		
220	BENTAZON	ND	ug/L	0.5	0.5		
221	DICHLORPROP	ND	ug/L	0.5	0.5		
223	ACTIFLORFIN	ND	ug/L	2	2.0		
225	DACTHAL (DCPA)	ND	ug/L	0.1	0.1		
226	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.5	0.5		

* An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
** - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
*** - If a compound is detected = or > to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
**** - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

EDGE ANALYTICAL

CARBAMATES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number:

Project:

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose:
Sample Location:
County:

Field ID:
Lab Number:
Date Collected:
Date Extracted:
Date Analyzed:
Report Date:
Analyst:
Supervisor:

EPA Method 531.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
146	CARBOFURAN	ND	ug/L	1.8	1.8	40	
148	OXYMAL	ND	ug/L	4	4.0	200	
	EPA Unregulated						
141	3-HYDROXYCARBOFURAN	ND	ug/L	2	2.0		
142	ALDICARB	ND	ug/L	1	1.0		
143	ALDICARB SULFONE	ND	ug/L	1.6	1.6		
144	ALDICARB SULFOXIDE	ND	ug/L	1	1.0		
145	CARBARYL	ND	ug/L	2	2.0		
147	METHOMYL	ND	ug/L	1	4.0		
	State Unregulated - Other						
326	PROPOXUR (BAYGON)	ND	ug/L	1			
327	METHIOCARB	ND	ug/L	4			

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
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***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
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J - Estimated value

FORM: SOC97

Total pack 815.40

EDGE ANALYTICAL

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number:

Project:

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose:
Sample Location:
County:

Field ID:
Lab Number:
Date Collected:
Date Extracted:
Date Analyzed:
Report Date:
Analyst:
Supervisor:

EPA Method 508.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	PCBs/Toxaphene						
36	TOXAPHENE	ND	ug/L	2	2	3	
173	AROCLOR 1221	ND	ug/L	0.5	20		
174	AROCLOR 1232	ND	ug/L	0.1	0.5		
175	AROCLOR 1242	ND	ug/L	0.1	0.3		
176	AROCLOR 1248	ND	ug/L	0.1	0.1		
177	AROCLOR 1254	ND	ug/L	0.1	0.1		
178	AROCLOR 1260	ND	ug/L	0.1	0.2		
180	AROCLOR 1016	ND	ug/L	0.1	0.1		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
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A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC87

EDGE ANALYTICAL

Reference Number:
Lab Number:
Report Date:

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
236	CYANAZINE	ND	ug/L	0.2	0.2		
239	MALATHION	ND	ug/L	0.2	0.2		
240	PARATHION	ND	ug/L	0.2	0.2		
243	TRIFLURALIN	ND	ug/L	0.2	0.2		
	- PAHs						
96	NAFTHALENE	ND	ug/L	0.1	0.1		
154	FLUORENE	ND	ug/L	0.2	0.2		
244	ACENAPHTHYLENE	ND	ug/L	0.2	0.2		
245	ACENAPHTHENE	ND	ug/L	0.2	0.2		
246	ANTHRACENE	ND	ug/L	0.2	0.2		
247	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.1		
248	BENZO(B)FLUORANTHENE	ND	ug/L	0.2	0.2		
249	BENZO(G,H,I)PERYLENE	ND	ug/L	0.2	0.2		
250	BENZO(K)FLUORANTHENE	ND	ug/L	0.2	0.2		
251	CHRYSENE	ND	ug/L	0.2	0.2		
252	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.2	0.2		
253	FLUORANTHENE	ND	ug/L	0.2	0.2		
255	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.2	0.2		
256	PHENANTHRENE	ND	ug/L	0.2	0.2		
257	PYRENE	ND	ug/L	0.2	0.2		
	- Phthalates						
258	BENZYL BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
259	DI-N-BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
260	DIETHYL PHTHALATE	ND	ug/L	0.6	0.6		
261	DIMETHYL PHTHALATE	ND	ug/L	0.6	0.6		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC37

EDGE ANALYTICAL

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number:

Project:

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose:
Sample Location:
County:

Field ID:
Lab Number:
Date Collected:
Date Extracted:
Date Analyzed:
Report Date:
Analyst:
Supervisor:

EPA Method 525.2 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
33	ENDRIN	ND	ug/L	0.02	0.02	2	
34	LINDANE (BHC - GAMMA)	ND	ug/L	0.04	0.04	0.2	
35	METHOXYCHLOR	ND	ug/L	0.2	0.2	40	
117	ALACHLOR	ND	ug/L	0.4	0.4	2	
119	ATRAZINE	ND	ug/L	0.2	0.2	3	
120	BENZO(A)PYRENE	ND	ug/L	0.04	0.04	0.2	
122	CHLORDANE, TECHNICAL	ND	ug/L	0.4	0.4	2	
124	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	1.3	1.3	400	
125	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	1.3	1.3	6	
126	HEPTACHLOR	ND	ug/L	0.08	0.08	0.4	
127	HEPTACHLOR EPOXIDE (A&B)	ND	ug/L	0.04	0.04	0.2	
128	HEXACHLOROBENZENE	ND	ug/L	0.2	0.2	1	
129	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.2	0.2	50	
133	SIMAZINE	ND	ug/L	0.15	0.15	4	
	EPA Unregulated						
118	ALDRIN	ND	ug/L	0.2	0.2		
121	BUTACHLOR	ND	ug/L	0.4	0.4		
123	DIELDRIN	ND	ug/L	0.2	0.2		
130	METOLACHLOR	ND	ug/L	1.0	1.0		
131	METRIBUZIN	ND	ug/L	0.2	0.2		
132	PROPACHLOR	ND	ug/L	0.2	0.2		
	State Unregulated - Other						
179	BROMACIL	ND	ug/L	0.2	0.2		
183	PROMETON	ND	ug/L	0.2	0.2		
190	TERBACIL	ND	ug/L	0.2	0.2		
202	DIAZINON	ND	ug/L	0.2	0.2		
208	EPTC	ND	ug/L	0.3	0.3		
232	4,4-DDD	ND	ug/L	0.2	0.2		
233	4,4-DDE	ND	ug/L	0.2	0.2		
234	4,4-DDT	ND	ug/L	0.2	0.2		

* An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
** - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
*** - If a compound is detected = or > to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
**** - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 3/10/2004
DATE RECEIVED: 3/11/2004
DATE REPORTED: 4/9/2004

SYSTEM / CUSTOMER:
W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:
Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
69717	Well #2-Recharge Project	SOC/Synthetic Organic Co	Report		mg/L	Edge Analytical

Should be Well #1

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Molly for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

April 9, 2004
Date

EDGE ANALYTICAL
11525 Knudsen Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Reference Number: 04-1650

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Project: 69717
Field ID: 69717
Lab Number: 04603328
Date Collected: 3/18/2004
Date Extracted: 508_040331
Date Analyzed: 4/2/2004
Report Date: 4/5/2004
Analyst: CMH
Supervisor:

System Name: Bob Bower (WWBWC)
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B
Sample Purpose: B
Sample Location: well #2-recharge project (observation well)
County: Umatilla

EPA Method 508.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	PCBs/Toxaphene						
36	TOXAPHENE	ND	ug/L	2	2	3	
173	AROCLOR 1221	ND	ug/L	20	20		
174	AROCLOR 1232	ND	ug/L	0.5	0.5		
175	AROCLOR 1242	ND	ug/L	0.5	0.3		
176	AROCLOR 1248	ND	ug/L	0.1	0.1		
177	AROCLOR 1254	ND	ug/L	0.1	0.1		
178	AROCLOR 1260	ND	ug/L	0.2	0.2		
180	AROCLOR 1016	ND	ug/L	0.1	0.1		

"An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
- Maximum Contaminant Level. Maximum permissible level of a contaminant in water established by EPA. NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
*, if a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur for DOH.
**- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

EDGE ANALYTICAL

Reference Number: 04-1650
Lab Number: 04603328
Report Date: 4/2/2004

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
233	4,4-DDE	ND	ug/L	0.2	0.2		
234	4,4-DDT	ND	ug/L	0.2	0.2		
236	CYANAZINE	ND	ug/L	0.2	0.2		
239	MALATHION	ND	ug/L	0.2	0.2		
240	PARATHION	ND	ug/L	0.2	0.2		
243	TRIFLURALIN	ND	ug/L	0.2	0.2		
	- PAHs						
96	NAPTHALENE	ND	ug/L	0.1	0.1		
154	FLUORENE	ND	ug/L	0.2	0.2		
244	ACENAPHTHYLENE	ND	ug/L	0.2	0.2		
245	ACENAPHTHENE	ND	ug/L	0.2	0.2		
246	ANTHRACENE	ND	ug/L	0.2	0.2		
247	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.1		
248	BENZO(B)FLUORANTHENE	ND	ug/L	0.2	0.2		
249	BENZO(G,H,I)PERYLENE	ND	ug/L	0.2	0.2		
250	BENZO(K)FLUORANTHENE	ND	ug/L	0.2	0.2		
251	CHRYSENE	ND	ug/L	0.2	0.2		
252	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.2	0.2		
253	FLUORANTHENE	ND	ug/L	0.2	0.2		
255	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.2	0.2		
256	PHENANTHRENE	ND	ug/L	0.2	0.2		
257	PYRENE	ND	ug/L	0.2	0.2		
	- Phthalates						
258	BENZYL BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
259	DI-N-BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
260	DIETHYL PHTHALATE	ND	ug/L	0.6	0.6		
261	DIMETHYL PHTHALATE	ND	ug/L	0.6	0.6		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, minimum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC07

EDGE ANALYTICAL
11525 Knudsen Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

HERBICIDES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-1650
Project: 69717

System Name: Bob Bower (WWBWC)
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B
Sample Purpose: B
Sample Location: well #2-recharge project (observation well)
County: Umatilla

Field ID: 69717
Lab Number: 04603328
Date Collected: 3/16/2004
Date Extracted: 515_040331
Date Analyzed: 4/7/2004
Report Date: 4/8/2004
Analyst: CMH
Supervisor:

EPA Method 515.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
37	2,4 - D	ND	ug/L	0.2	0.2	70	
38	2,4,5 - TP (SILVEX)	ND	ug/L	0.4	0.4	50	
134	PENTACHLOROPHENOL	ND	ug/L	0.08	0.08	1	
137	DALAPON	ND	ug/L	2	2	200	
139	DINOSEB	ND	ug/L	0.4	0.4	7	
140	PICLORAM	ND	ug/L	0.2	0.2	500	
	EPA Unregulated						
138	DICAMBA	ND	ug/L	0.2	0.2		
	State Unregulated						
135	2,4 DB	ND	ug/L	1	1.0		
136	2,4,5 T	ND	ug/L	0.4	0.4		
220	BENTAZON	ND	ug/L	0.5	0.5		
221	DICHLORPROP	ND	ug/L	0.5	0.5		
223	ACTIFLORFIN	ND	ug/L	2	2.0		
225	DACTHAL (DCPA)	ND	ug/L	0.1	0.1		
226	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.5	0.5		

*- An analysis of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC07

Synthetic Organic Chemicals (SOC's)

(EPA Methods 515.2, 525.2, 531, 547, 549)
Herbicides, Pesticides, Adipate, PAH's, Carbamates, Glyphosate, Paraquat & Diquat

Instructions for Sample Collection

Collection Point

Samples must be collected in the proper number, at the appropriate time and locations, and of the proper volume in order to satisfy the requirements of the Phase II and V Rules. Samples that fulfill these criteria are called compliance monitoring samples. Groundwater and surface water systems should be representative of the source water following treatment (see figure on back of this sheet). Systems that draw water from more than one source and that combine these sources prior to distribution must sample during periods of normal operating conditions. Samples must be collected at the same sampling point each cycle unless conditions make another sampling point more representative. Generally, samples should be taken at the tap on the pipeline before the treated water is sent to the distribution system. Sometimes sampling taps (faucets) are available in the plant laboratory for the water entering the distribution system. If the water system is treating for any organic compounds (i.e. packed tower aeration, granular activated carbon, oxidation, etc.) contact your regional Drinking Water Specialist to locate the proper collection point. You will find the name and telephone number on the back of this sheet.

Bottles must NOT be filled near gasoline cans, gasoline-powered motors, paint cans, lighter fluid, paint strippers, pesticide bottles or exhaust fumes from running engines. Fumes and vapors may contaminate the samples.

SAMPLE COLLECTION

1. If water taps are to be used for sampling, all aerators, strainers, and hose attachments need to be removed. Open the tap and allow the system to flush for about ten minutes or until the water temperature has stabilized, Adjust the flow to about the thickness of a pencil. Position the container under the tap and collect the sample. Introduce the water very gently to reduce agitation and to avoid introducing air bubbles. Fill the bottle so that little or no air space will remain in the bottle after the cap is secured.

2. Collect _____ one-liter bottle(s) at each collection point for method 525.
   Collect _____500 ml bottle(s) at each collection point for method 515.2
   Collect _____100ml bottle(s) at each collection point for method 547
   Collect _____ 250ml plastic bottle(s) at each collection point for method 549
   Collect _____250ml bottle(s) at each collection point for method 531

IMPORTANT: Be careful not to touch or otherwise contaminate the inside of the lid or the lip of the bottle during sampling.

3. All samples need to be kept **cold.** If the samples are to be held for a day or longer prior to shipping, place the bottles in a refrigerator. Once samples are ready to be shipped, add a bag of ice to the cooler. Samples must be received at laboratory within four days of sampling.

4. Insert the completed sample information form (WSI) into a plastic bag and place in cooler.

If you have any questions, please call KUO Testing Labs, Inc. at 509-488-0112 or 541-922-6435

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 4/13/2004
DATE RECEIVED: 4/14/2004
DATE REPORTED: 4/26/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:
Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70296	Well #1	SOC/Synthetic Organic Co	Report		mg/L	Edge Analytical

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

04-26-04
Date

EDGE ANALYTICAL
11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-2367
Project: 70296

System Name: WWBWC
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B
Sample Purpose: B
Sample Location: Well#1 recharge project
County: Umatilla

Field ID:
Lab Number: 04604660
Date Collected: 4/13/2004
Date Extracted: 525_040419
Date Analyzed: 4/19/2004
Report Date: 4/26/2004
Analyst: CMH
Supervisor:

EPA Method 525.2 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
33	ENDRIN	ND	ug/L	0.02	0.02	2	
34	LINDANE (BHC - GAMMA)	ND	ug/L	0.04	0.04	0.2	
35	METHOXYCHLOR	ND	ug/L	0.2	0.2	40	
117	ALACHLOR	ND	ug/L	0.4	0.4	2	
119	ATRAZINE	ND	ug/L	0.2	0.2	3	
120	BENZO(A)PYRENE	ND	ug/L	0.04	0.04	0.2	
122	CHLORDANE, TECHNICAL	ND	ug/L	0.4	0.4	2	
124	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	1.3	1.3	400	
125	DI(ETHYLHEXYL)-PHTHALATE	2.2	ug/L	1.3	1.3	6	Field dup 1.7 ppb
126	HEPTACHLOR	ND	ug/L	0.08	0.08	0.4	
127	HEPTACHLOR EPOXIDE (A&B)	ND	ug/L	0.04	0.04	0.2	
128	HEXACHLOROBENZENE	ND	ug/L	0.2	0.2	1	
129	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.2	0.2	50	
133	SIMAZINE	ND	ug/L	0.15	0.15	4	
	EPA Unregulated						
118	ALDRIN	ND	ug/L	0.2	0.2		
121	BUTACHLOR	ND	ug/L	0.4	0.4		
123	DIELDRIN	ND	ug/L	0.2	0.2		
130	METOLACHLOR	ND	ug/L	1	1.0		
131	METRIBUZIN	ND	ug/L	0.2	0.2		
132	PROPACHLOR	ND	ug/L	0.2	0.2		
	State Unregulated - Other						
179	BROMACIL	ND	ug/L	0.2	0.2		
183	PROMETON	ND	ug/L	0.2	0.2		
190	TERBACIL	ND	ug/L	0.2	0.2		
202	DIAZINON	ND	ug/L	0.2	0.2		
208	EPTC	ND	ug/L	0.3	0.3		
232	4,4-DDD	ND	ug/L	0.2	0.2		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

EDGE ANALYTICAL

Reference Number: 04-2367
Lab Number: 04604660
Report Date: 4/26/2004

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
233	4,4-DDE	ND	ug/L	0.2	0.2		
234	4,4-DDT	ND	ug/L	0.2	0.2		
236	CYANAZINE	ND	ug/L	0.2	0.2		
239	MALATHION	ND	ug/L	0.2	0.2		
240	PARATHION	ND	ug/L	0.2	0.2		
243	TRIFLURALIN	ND	ug/L	0.2	0.2		
	- PAHs						
96	NAPTHALENE	ND	ug/L	0.1	0.1		
154	FLUORENE	ND	ug/L	0.2	0.2		
244	ACENAPHTHYLENE	ND	ug/L	0.2	0.2		
245	ACENAPHTHENE	ND	ug/L	0.2	0.2		
246	ANTHRACENE	ND	ug/L	0.2	0.2		
247	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.1		
248	BENZO(B)FLUORANTHENE	ND	ug/L	0.2	0.2		
249	BENZO(G,H,I)PERYLENE	ND	ug/L	0.2	0.2		
250	BENZO(K)FLUORANTHENE	ND	ug/L	0.2	0.2		
251	CHRYSENE	ND	ug/L	0.2	0.2		
252	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.2	0.2		
253	FLUORANTHENE	ND	ug/L	0.2	0.2		
255	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.2	0.2		
256	PHENANTHRENE	ND	ug/L	0.2	0.2		
257	PYRENE	ND	ug/L	0.2	0.2		
	- Phthalates						
258	BENZYL BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
259	DI-N-BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
260	DIETHYL PHTHALATE	ND	ug/L	0.6	0.6		
261	DIMETHYL PHTHALATE	ND	ug/L	0.6	0.6		

"- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
"-. Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
"-. If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
"-. Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

EDGE ANALYTICAL
11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

CARBAMATES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-2367
Project: 70296
Field ID:
Lab Number: 04604660
Date Collected: 4/13/2004
Date Extracted: 531_040415
Date Analyzed: 4/15/2004
Report Date: 4/19/2004
Analyst: TW
Supervisor:

System Name: WWBWC
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B
Sample Purpose: B
Sample Location: Well#1 recharge project
County: Umatilla

EPA Method 531.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
146	CARBOFURAN	ND	ug/L	1.8	1.8	40	
148	OXYMAL	ND	ug/L	4	4.0	200	
	EPA Unregulated						
141	3-HYDROXYCARBOFURAN	ND	ug/L	2	2.0		
142	ALDICARB	ND	ug/L	1	1.0		
143	ALDICARB SULFONE	ND	ug/L	1.6	1.6		
144	ALDICARB SULFOXIDE	ND	ug/L	1	1.0		
145	CARBARYL	ND	ug/L	2	2.0		
147	METHOMYL	ND	ug/L	1	4.0		
	State Unregulated - Other						
326	PROPOXUR (BAYGON)	ND	ug/L	1			
327	METHIOCARB	ND	ug/L	4			

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA. NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

EDGE ANALYTICAL
11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

HERBICIDES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

System Name: WWBWC
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B
Sample Purpose: B
Sample Location: Well#1 recharge project
County: Umatilla

Reference Number: 04-2367
Project: 70296
Field ID:
Lab Number: 04604660
Date Collected: 4/13/2004
Date Extracted: 515_040420
Date Analyzed: 4/21/2004
Report Date: 4/26/2004
Analyst: CMH
Supervisor:

EPA Method 515.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
37	2,4 - D	ND	ug/L	0.2	0.2	70	
38	2,4,5 - TP (SILVEX)	ND	ug/L	0.4	0.4	50	
134	PENTACHLOROPHENOL	ND	ug/L	0.08	0.08	1	
137	DALAPON	ND	ug/L	2	2	200	
139	DINOSEB	ND	ug/L	0.4	0.4	7	
140	PICLORAM	ND	ug/L	0.2	0.2	500	
	EPA Unregulated						
138	DICAMBA	ND	ug/L	0.2	0.2		
	State Unregulated						
135	2,4 DB	ND	ug/L	1	1.0		
136	2,4,5 T	ND	ug/L	0.4	0.4		
220	BENTAZON	ND	ug/L	0.5	0.5		
221	DICHLORPROP	ND	ug/L	0.5	0.5		
223	ACTIFLORFIN	ND	ug/L	2	2.0		
225	DACTHAL (DCPA)	ND	ug/L	0.1	0.1		
226	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.5	0.5		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level. maximum permissible level of a contaminent in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 4/13/2004
DATE RECEIVED: SEND REPORT TO: 4/14/2004
DATE REPORTED: 4/26/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70296	Well #1	SOC/Synthetic Organic Co	Report		mg/L	Edge Analytical

<(0.001): Indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

04-28-04
Date

EDGE ANALYTICAL
11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-2367
Project: 70296

System Name: WWBWC
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B
Sample Purpose: B
Sample Location: Well#1 recharge project
County: Umatilla

Field ID:
Lab Number: 04604660
Date Collected: 4/13/2004
Date Extracted: 525_040419
Date Analyzed: 4/19/2004
Report Date: 4/26/2004
Analyst: CMH
Supervisor:

EPA Method 525.2 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
33	ENDRIN	ND	ug/L	0.02	0.02	2	
34	LINDANE (BHC - GAMMA)	ND	ug/L	0.04	0.04	0.2	
35	METHOXYCHLOR	ND	ug/L	0.2	0.2	40	
117	ALACHLOR	ND	ug/L	0.4	0.4	2	
119	ATRAZINE	ND	ug/L	0.2	0.2	3	
120	BENZO(A)PYRENE	ND	ug/L	0.04	0.04	0.2	
122	CHLORDANE, TECHNICAL	ND	ug/L	0.4	0.4	2	
124	DI(ETHYLHEXYL)ADIPATE	ND	ug/L	1.3	1.3	400	
125	DI(ETHYLHEXYL)-PHTHALATE	2.2	ug/L	1.3	1.3	6	Field dup 1.7 ppb
126	HEPTACHLOR	ND	ug/L	0.08	0.08	0.4	
127	HEPTACHLOR EPOXIDE (ABS)	ND	ug/L	0.04	0.04	0.2	
128	HEXACHLOROBENZENE	ND	ug/L	0.2	0.2	1	
129	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.2	0.2	50	
133	SIMAZINE	ND	ug/L	0.15	0.15	4	
	EPA Unregulated						
118	ALDRIN	ND	ug/L	0.2	0.2		
121	BUTACHLOR	ND	ug/L	0.4	0.4		
123	DIELDRIN	ND	ug/L	0.2	0.2		
130	METOLACHLOR	ND	ug/L	1	1.0		
131	METRIBUZIN	ND	ug/L	0.2	0.2		
132	PROPACHLOR	ND	ug/L	0.2	0.2		
	State Unregulated - Other						
179	BROMACIL	ND	ug/L	0.2	0.2		
183	PROMETON	ND	ug/L	0.2	0.2		
190	TERBACIL	ND	ug/L	0.2	0.2		
202	DIAZINON	ND	ug/L	0.2	0.2		
208	EPTC	ND	ug/L	0.3	0.3		
282	4,4-DDD	ND	ug/L	0.2	0.2		

* - An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
** - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
*** - If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
**** - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM SOC#7

Reference Number: 04-2387
Lab Number: 04804860
Report Date: 4/28/2004

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
233	4,4-DDE	ND	ug/L	0.2	0.2		
234	4,4-DDT	ND	ug/L	0.2	0.2		
236	CYANAZINE	ND	ug/L	0.3	0.2		
239	MALATHION	ND	ug/L	0.2	0.2		
240	PARATHION	ND	ug/L	0.2	0.2		
243	TRIFLURALIN	ND	ug/L	0.2	0.2		
	- PAHs						
96	NAPTHALENE	ND	ug/L	0.1	0.1		
154	FLUORENE	ND	ug/L	0.2	0.2		
244	ACENAPHTHYLENE	ND	ug/L	0.2	0.2		
245	ACENAPHTHENE	ND	ug/L	0.2	0.2		
246	ANTHRACENE	ND	ug/L	0.2	0.2		
247	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.1		
248	BENZO(B)FLUORANTHENE	ND	ug/L	0.2	0.2		
249	BENZO(G,H,I)PERYLENE	ND	ug/L	0.2	0.2		
250	BENZO(K)FLUORANTHENE	ND	ug/L	0.2	0.2		
251	CHRYSENE	ND	ug/L	0.2	0.2		
252	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.2	0.2		
253	FLUORANTHENE	ND	ug/L	0.2	0.2		
255	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.2	0.2		
256	PHENANTHRENE	ND	ug/L	0.2	0.2		
257	PYRENE	ND	ug/L	0.2	0.2		
	- Phthalates						
258	BENZYL BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
259	DI-N-BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
260	DIETHYL PHTHALATE	ND	ug/L	0.6	0.6		
261	DIMETHYL PHTHALATE	ND	ug/L	0.6	0.6		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level. Maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, Specified sampling frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

EDGE ANALYTICAL
11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

CARBAMATES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

System Name: WWBWC
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B
Sample Purpose: B
Sample Location: Well#1 recharge project
County: Umatilla

Reference Number: 04-2367
Project: 70296
Field ID:
Lab Number: 04604660
Date Collected: 4/13/2004
Date Extracted: 531_040415
Date Analyzed: 4/15/2004
Report Date: 4/19/2004
Analyst: TW
Supervisor:

EPA Method 531.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
146	CARBOFURAN	ND	ug/L	1.8	1.8	40	
148	OXYMAL	ND	ug/L	4	4.0	200	
	EPA Unregulated						
141	3-HYDROXYCARBOFURAN	ND	ug/L	2	2.0		
142	ALDICARB	ND	ug/L	1	1.0		
143	ALDICARB SULFONE	ND	ug/L	1.6	1.6		
144	ALDICARB SULFOXIDE	ND	ug/L	1	1.0		
145	CARBARYL	ND	ug/L	2	2.0		
147	METHOMYL	ND	ug/L	1	4.0		
	State Unregulated - Other						
326	PROPOXUR (BAYGON)	ND	ug/L	1			
327	METHIOCARB	ND	ug/L	4			

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

EDGE ANALYTICAL
11925 Knudsen Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-2367
Project: 70296
Field ID:
Lab Number: 04604660
Date Collected: 4/13/2004
Date Extracted: 508_040419
Date Analyzed: 4/19/2004
Report Date: 4/22/2004
Analyst: CMH
Supervisor:

System Name: WWBWC
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B
Sample Purpose: B
Sample Location: Well#1 recharge project
County: Umatilla

EPA Method 508.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	PCBs/Toxaphene						
36	TOXAPHENE	ND	ug/L	2	2	3	
173	AROCLOR 1221	ND	ug/L	20	20		
174	AROCLOR 1232	ND	ug/L	0.5	0.5		
175	AROCLOR 1242	ND	ug/L	0.3	0.3		
176	AROCLOR 1248	ND	ug/L	0.1	0.1		
177	AROCLOR 1254	ND	ug/L	0.1	0.1		
178	AROCLOR 1260	ND	ug/L	0.2	0.2		
180	AROCLOR 1016	ND	ug/L	0.1	0.1		

*= An analyte of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**= Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA. NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***= If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****= Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J = Estimated value.

FORM: SOCS7

EDGE ANALYTICAL
11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

HERBICIDES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-2367
Project: 70296

System Name: WWBWC
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B
Sample Purpose: B
Sample Location: Well#1 recharge project
County: Umatilla

Field ID:
Lab Number: 04604660
Date Collected: 4/13/2004
Date Extracted: 515_040420
Date Analyzed: 4/21/2004
Report Date: 4/26/2004
Analyst: CMH
Supervisor:

EPA Method 515.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
37	2,4 - D	ND	ug/L	0.2	0.2	70	
38	2,4,5 - TP (SILVEX)	ND	ug/L	0.4	0.4	50	
134	PENTACHLOROPHENOL	ND	ug/L	0.08	0.08	1	
137	DALAPON	ND	ug/L	2	2	200	
139	DINOSEB	ND	ug/L	0.4	0.4	7	
140	PICLORAM	ND	ug/L	0.2	0.2	500	
	EPA Unregulated						
136	DICAMBA	ND	ug/L	0.2	0.2		
	State Unregulated						
135	2,4 DB	ND	ug/L	1	1.0		
135	2,4,5 T	ND	ug/L	0.4	0.4		
220	BENTAZON	ND	ug/L	0.5	0.5		
221	DICHLORPROP	ND	ug/L	0.5	0.5		
223	ACTIFLORFIN	ND	ug/L	2	2.0		
225	DACTHAL (DCPA)	ND	ug/L	0.1	0.1		
226	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.5	0.5		

"-" An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
"--" Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
"---" If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
"----" Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC07

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 4/13/2004
DATE RECEIVED: 4/14/2004
DATE REPORTED: 4/26/2004
SEND REPORT TO:
SYSTEM / CUSTOMER:

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70292	Intake	SOC/Synthetic Organic Co	Report		mg/L	Edge Analytical

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

04-26-04
Date

EDGE ANALYTICAL
11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

CARBAMATES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-2366
Project: 70292
Field ID:
Lab Number: 04604659
Date Collected: 4/13/2004
Date Extracted: 531_040416
Date Analyzed: 4/15/2004
Report Date: 4/19/2004
Analyst: TW
Supervisor:

System Name: WWBWC
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B
Sample Purpose: B
Sample Location: intake
County: Umatilla

EPA Method 531.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
146	CARBOFURAN	ND	ug/L	1.8	1.8	40	
148	OXYMAL	ND	ug/L	4	4.0	200	
	EPA Unregulated						
141	3-HYDROXYCARBOFURAN	ND	ug/L	2	2.0		
142	ALDICARB	ND	ug/L	1	1.0		
143	ALDICARB SULFONE	ND	ug/L	1.6	1.6		
144	ALDICARB SULFOXIDE	ND	ug/L	1	1.0		
145	CARBARYL	ND	ug/L	2	2.0		
147	METHOMYL	ND	ug/L	1	4.0		
	State Unregulated - Other						
326	PROPOXUR (BAYGON)	ND	ug/L	1			
327	METHIOCARB	ND	ug/L	4			

ND - An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Level - MDL.
MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA. NPDWR. State Advisory Level (SAL) for Unregulated compounds.
--- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA. NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
--- If a compound is detected > or = to the State Reporting Level, SRL, repeated increased monitoring frequencies may occur per DOH.
--- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value

FORM: SOC97

EDGE ANALYTICAL
11525 Knudsen Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Reference Number: 04-2366

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Project: 70292

Field ID:
Lab Number: 04604659
Date Collected: 4/13/2004
Date Extracted: 508_040419
Date Analyzed: 4/21/2004
Report Date: 4/22/2004
Analyst: CMH
Supervisor: TW

System Name: WWBWC
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B
Sample Purpose: B
Sample Location: intake
County: Umatilla

EPA Method 508.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	PCBs/Toxaphene						
36	TOXAPHENE	ND	ug/L	2	2	3	
173	AROCLOR 1221	ND	ug/L	20	20		
174	AROCLOR 1232	ND	ug/L	0.5	0.5		
175	AROCLOR 1242	ND	ug/L	0.5	0.5		
176	AROCLOR 1248	ND	ug/L	0.1	0.1		
177	AROCLOR 1254	ND	ug/L	0.1	0.1		
178	AROCLOR 1260	ND	ug/L	0.2	0.2		
180	AROCLOR 1016	ND	ug/L	0.1	0.1		

"ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
MCL - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA. MRDWR, State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

EDGE ANALYTICAL
11525 Knudsen Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

System Name: WWBWC
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B
Sample Purpose: B
Sample Location: Intake
County: Umatilla

Reference Number: 04-2366
Project: 70292
Field ID:
Lab Number: 04604659
Date Collected: 4/13/2004
Date Extracted: 525_040419
Date Analyzed: 4/21/2004
Report Date: 4/22/2004
Analyst: CMH
Supervisor:

EPA Method 525.2 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
33	ENDRIN	ND	ug/L	0.02	0.02	2	
34	LINDANE (BHC - GAMMA)	ND	ug/L	0.04	0.04	0.2	
35	METHOXYCHLOR	ND	ug/L	0.2	0.2	40	
117	ALACHLOR	ND	ug/L	0.4	0.4	2	
119	ATRAZINE	ND	ug/L	0.2	0.2	3	
120	BENZO(A)PYRENE	ND	ug/L	0.04	0.04	0.2	
122	CHLORDANE TECHNICAL	ND	ug/L	0.4	0.4	2	
124	DI(ETHYLHEXYL)ADIPATE	ND	ug/L	1.3	1.3	400	
125	DI(ETHYLHEXYL)PHTHALATE	ND	ug/L	1.3	1.3	6	
126	HEPTACHLOR	ND	ug/L	0.08	0.08	0.4	
127	HEPTACHLOR EPOXIDE (A&B)	ND	ug/L	0.04	0.04	0.2	
128	HEXACHLOROBENZENE	ND	ug/L	0.2	0.2	1	
129	HEXACHLOROCYCLOPENTADIENE	ND	ug/L	0.2	0.2	50	
133	SIMAZINE	ND	ug/L	0.15	0.15	4	
	EPA Unregulated						
118	ALDRIN	ND	ug/L	0.2	0.2		
121	BUTACHLOR	ND	ug/L	0.4	0.4		
123	DIELDRIN	ND	ug/L	0.2	0.2		
130	METOLACHLOR	ND	ug/L	1	1.0		
131	METRIBUZIN	ND	ug/L	0.2	0.2		
132	PROPACHLOR	ND	ug/L	0.2	0.2		
	State Unregulated - Other						
179	BROMACIL	ND	ug/L	0.2	0.2		
183	PROMETON	ND	ug/L	0.2	0.2		
190	TERBACIL	ND	ug/L	0.2	0.2		
202	DIAZINON	ND	ug/L	0.2	0.2		
208	EPTC	ND	ug/L	0.3	0.3		
232	4,4-DDD	ND	ug/L	0.2	0.2		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, MRDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is selected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
**** - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

EDGE ANALYTICAL

Reference Number: 04-2366
Lab Number: 04604659
Report Date: 4/22/2004

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
233	4,4-DDE	ND	ug/L	0.2	0.2		
234	4,4-DDT	ND	ug/L	0.2	0.2		
236	CYANAZINE	ND	ug/L	0.2	0.2		
239	MALATHION	ND	ug/L	0.2	0.2		
240	PARATHION	ND	ug/L	0.2	0.2		
243	TRIFLURALIN	ND	ug/L	0.2	0.2		
	- PAHs						
96	NAPTHALENE	ND	ug/L	0.1	0.1		
154	FLUORENE	ND	ug/L	0.2	0.2		
244	ACENAPHTHYLENE	ND	ug/L	0.2	0.2		
245	ACENAPHTHENE	ND	ug/L	0.2	0.2		
246	ANTHRACENE	ND	ug/L	0.2	0.2		
247	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.1		
248	BENZO(B)FLUORANTHENE	ND	ug/L	0.2	0.2		
249	BENZO(G,H,I)PERYLENE	ND	ug/L	0.2	0.2		
250	BENZO(K)FLUORANTHENE	ND	ug/L	0.2	0.2		
251	CHRYSENE	ND	ug/L	0.2	0.2		
252	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.2	0.2		
253	FLUORANTHENE	ND	ug/L	0.2	0.2		
255	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.2	0.2		
256	PHENANTHRENE	ND	ug/L	0.2	0.2		
257	PYRENE	ND	ug/L	0.2	0.2		
	- Phthalates						
258	BENZYL BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
259	DI-N-BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
260	DIETHYL PHTHALATE	ND	ug/L	0.6	0.6		
261	DIMETHYL PHTHALATE	ND	ug/L	0.6	0.6		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level. maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated Contaminants.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lowest minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

EDGE ANALYTICAL
11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

HERBICIDES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-2366
Project: 70292
Field ID:
Lab Number: 04604659
Date Collected: 4/13/2004
Date Extracted: 515_040420
Date Analyzed: 4/21/2004
Report Date: 4/26/2004
Analyst: CMH
Supervisor:

System Name: WWSWC
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B
Sample Purpose: B
Sample Location: intake
County: Umatilla

EPA Method 515.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
37	2,4 - D	ND	ug/L	0.2	0.2	70	
38	2,4,5 - TP (SILVEX)	ND	ug/L	0.4	0.4	50	
134	PENTACHLOROPHENOL	ND	ug/L	0.08	0.08	1	
137	DALAPON	ND	ug/L	2	2	200	
139	DINOSEB	ND	ug/L	0.4	0.4	7	
140	PICLORAM	ND	ug/L	0.2	0.2	500	
	EPA Unregulated						
138	DICAMBA	ND	ug/L	0.2	0.2		
	State Unregulated						
135	2,4 DB	ND	ug/L	1	1.0		
136	2,4,5 T	ND	ug/L	0.4	0.4		
220	BENTAZON	ND	ug/L	0.5	0.5		
221	DICHLORPROP	ND	ug/L	0.5	0.5		
223	ACTIFLORFIN	ND	ug/L	2	2.0		
225	DACTHAL (DCPA)	ND	ug/L	0.1	0.1		
226	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.5	0.5		

* An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
** - Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
*** If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may apply per DOH.
**** Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC67

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 4/13/2004
DATE RECEIVED: 4/14/2004
DATE REPORTED: 4/26/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70292	Intake	SOC/Synthetic Organic Co	Report		mg/L	Edge Analytical

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
None Detected
mg/L:Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

04-26-04
Date

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

EDGE ANALYTICAL
11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

System Name: WWBWC
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B
Sample Purpose: B
Sample Location: intake
County: Umatilla

Reference Number: 04-2366
Project: 70292
Field ID:
Lab Number: 04604659
Date Collected: 4/13/2004
Date Extracted: 508_040419
Date Analyzed: 4/21/2004
Report Date: 4/22/2004
Analyst: CMH
Supervisor:

EPA Method 508.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	PCBs/Toxaphene						
36	TOXAPHENE	ND	ug/L	2	2	3	
173	AROCLOR 1221	ND	ug/L	20	20		
174	AROCLOR 1232	ND	ug/L	0.5	0.5		
175	AROCLOR 1242	ND	ug/L	0.5	0.3		
176	AROCLOR 1248	ND	ug/L	0.1	0.1		
177	AROCLOR 1254	ND	ug/L	0.1	0.1		
178	AROCLOR 1260	ND	ug/L	0.2	0.2		
180	AROCLOR 1016	ND	ug/L	0.1	0.1		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

EDGE ANALYTICAL
11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

System Name: WWBWC
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B
Sample Purpose: B
Sample Location: Intake
County: Umatilla

Reference Number: 04-2366
Project: 70292
Field ID:
Lab Number: 04604659
Date Collected: 4/13/2004
Date Extracted: 525_040419
Date Analyzed: 4/21/2004
Report Date: 4/22/2004
Analyst: CMH
Supervisor:

EPA Method 525.2 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
33	ENDRIN	ND	ug/L	0.02	0.02	2	
34	LINDANE (BHC - GAMMA)	ND	ug/L	0.04	0.04	0.2	
35	METHOXYCHLOR	ND	ug/L	0.2	0.2	40	
117	ALACHLOR	ND	ug/L	0.4	0.4	2	
119	ATRAZINE	ND	ug/L	0.2	0.2	3	
120	BENZO(A)PYRENE	ND	ug/L	0.04	0.04	0.2	
122	CHLORDANE, TECHNICAL	ND	ug/L	0.4	0.4	2	
124	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	1.3	1.3	400	
125	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	1.3	1.3	6	
126	HEPTACHLOR	ND	ug/L	0.08	0.08	0.4	
127	HEPTACHLOR EPOXIDE (A&B)	ND	ug/L	0.04	0.04	0.2	
128	HEXACHLOROBENZENE	ND	ug/L	0.2	0.2	1	
129	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.2	0.2	50	
133	SIMAZINE	ND	ug/L	0.15	0.15	4	
	EPA Unregulated						
118	ALDRIN	ND	ug/L	0.2	0.2		
121	BUTACHLOR	ND	ug/L	0.4	0.4		
123	DIELDRIN	ND	ug/L	0.2	0.2		
130	METOLACHLOR	ND	ug/L	1	1.0		
131	METRIBUZIN	ND	ug/L	0.2	0.2		
132	PROPACHLOR	ND	ug/L	0.2	0.2		
	State Unregulated - Other						
179	BROMACIL	ND	ug/L	0.2	0.2		
183	PROMETON	ND	ug/L	0.2	0.2		
190	TERBACIL	ND	ug/L	0.2	0.2		
202	DIAZINON	ND	ug/L	0.2	0.2		
208	EPTC	ND	ug/L	0.3	0.3		
232	4,4-DDD	ND	ug/L	0.2	0.2		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

Kuo Testing Labs, Inc.

337 South 1st
Othello, Washington 99344
(509) 488-0112; Fax (509) 488-0118

Agricultural - Industrial - Environmental

INVOICE #	04-04-361
INVOICE DATE	04/23/04
CLIENT #	WWB2170
PURCHASE ORDER#	

Client: W.W.B.W.C.
Address: PO Box 68
MiltonFreewater, OR 97862

PN :

Project :

Grower :

Sampler : Bob Bower

RptNo	RptDate	Field Identifier	Test	Description	Qty	Price	Extension
E70292	04/14/04	Intake,Well #1	A26-1	SOC/Synthetic Organic Compounds	2	815.40	1,630.80

Notes: 04-04-361

Invoice Total		1630.80
Discount	0 %	-0.00
FAX Charge		0.00
Invoice Total Due		$1,630.80
Due Date		05/23/04

Terms: Net 30 days following date of invoice. Invoices not paid in 30 days will be subject to interest charged at 1.5% per month (18% per year) with a minimum charge of 50 cents.

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 5/21/2004
DATE RECEIVED: 5/21/2004
DATE REPORTED: 6/17/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70882	OBS Well #1	SOC/Synthetic Organic Co	Report		mg/L	Edge Analytical

SOC REPORTS

<0.001): indicates the analyte was not detected at or above the concentration indicated.
None Detected
Indicates milligrams per litre
PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

06-18-04
Date

EDGE ANALYTICAL
11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

HERBICIDES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-3844

Project: WWBWC/ SOC

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B - Before treatment
Sample Purpose: Investigative or Other
Sample Location: OBS Well #1
County: Umatilla

Field ID: 70882
Lab Number: 04607654
Date Collected: 5/21/2004
Date Extracted: 515_040602
Date Analyzed: 6/7/2004
Report Date: 6/9/2004
Analyst: CMH
Supervisor: JW

EPA Method 515.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
37	2,4 - D	**ND**	ug/L	0.2	0.2	70	
38	2,4,5 - TP (SILVEX)	**ND**	ug/L	0.4	0.4	50	
134	PENTACHLOROPHENOL	**ND**	ug/L	0.08	0.08	1	
137	DALAPON	**ND**	ug/L	2	2	200	
139	DINOSEB	**ND**	ug/L	0.4	0.4	7	
140	PICLORAM	**ND**	ug/L	0.2	0.2	500	
	EPA Unregulated						
138	DICAMBA	**ND**	ug/L	0.2	0.2		
	State Unregulated						
135	2,4 DB	**ND**	ug/L	1	1.0		
136	2,4,5 T	**ND**	ug/L	0.4	0.4		
220	BENTAZON	**ND**	ug/L	0.5	0.5		
221	DICHLORPROP	**ND**	ug/L	0.5	0.5		
223	ACTIFLORFIN	**ND**	ug/L	2	2.0		
225	DACTHAL (DCPA)	**ND**	ug/L	0.1	0.1		
226	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.5	0.5		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

EDGE ANALYTICAL
11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-3844

Project: WWBWC/ SOC

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B - Before treatment
Sample Purpose: Investigative or Other
Sample Location: OBS Well #1
County: Umatilla

Field ID: 70882
Lab Number: 04607654
Date Collected: 5/21/2004
Date Extracted: 525_040601
Date Analyzed: 6/2/2004
Report Date: 6/7/2004
Analyst: CMH
Supervisor:

EPA Method 525.2 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
33	ENDRIN	ND	ug/L	0.02	0.02	2	
34	LINDANE (BHC - GAMMA)	ND	ug/L	0.04	0.04	0.2	
35	METHOXYCHLOR	ND	ug/L	0.2	0.2	40	
117	ALACHLOR	ND	ug/L	0.4	0.4	2	
119	ATRAZINE	ND	ug/L	0.2	0.2	3	
120	BENZO(A)PYRENE	ND	ug/L	0.04	0.04	0.2	
122	CHLORDANE, TECHNICAL	ND	ug/L	0.4	0.4	2	
124	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	1.3	1.3	400	
125	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	1.3	1.3	6	
126	HEPTACHLOR	ND	ug/L	0.08	0.08	0.4	
127	HEPTACHLOR EPOXIDE (A&B)	ND	ug/L	0.04	0.04	0.2	
128	HEXACHLOROBENZENE	ND	ug/L	0.2	0.2	1	
129	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.2	0.2	50	
133	SIMAZINE	ND	ug/L	0.15	0.15	4	
	EPA Unregulated						
118	ALDRIN	ND	ug/L	0.2	0.2		
121	BUTACHLOR	ND	ug/L	0.4	0.4		
123	DIELDRIN	ND	ug/L	0.2	0.2		
130	METOLACHLOR	ND	ug/L	1	1.0		
131	METRIBUZIN	ND	ug/L	0.2	0.2		
132	PROPACHLOR	ND	ug/L	0.2	0.2		
	State Unregulated - Other						
179	BROMACIL	ND	ug/L	0.2	0.2		
183	PROMETON	ND	ug/L	0.2	0.2		
190	TERBACIL	ND	ug/L	0.2	0.2		
202	DIAZINON	ND	ug/L	0.2	0.2		
208	EPTC	ND	ug/L	0.3	0.3		
232	4,4-DDD	ND	ug/L	0.2	0.2		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
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J - Estimated value.

EDGE ANALYTICAL

Reference Number: 04-3844
Lab Number: 04607654
Report Date: 6/7/2004

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
233	4,4-DDE	ND	ug/L	0.2	0.2		
234	4,4-DDT	ND	ug/L	0.2	0.2		
236	CYANAZINE	ND	ug/L	0.2	0.2		
239	MALATHION	ND	ug/L	0.2	0.2		
240	PARATHION	ND	ug/L	0.2	0.2		
243	TRIFLURALIN	ND	ug/L	0.2	0.2		
	- PAHs						
96	NAPTHALENE	ND	ug/L	0.1	0.1		
154	FLUORENE	ND	ug/L	0.2	0.2		
244	ACENAPHTHYLENE	ND	ug/L	0.2	0.2		
245	ACENAPHTHENE	ND	ug/L	0.2	0.2		
246	ANTHRACENE	ND	ug/L	0.2	0.2		
247	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.1		
248	BENZO(B)FLUORANTHENE	ND	ug/L	0.2	0.2		
249	BENZO(G,H,I)PERYLENE	ND	ug/L	0.2	0.2		
250	BENZO(K)FLUORANTHENE	ND	ug/L	0.2	0.2		
251	CHRYSENE	ND	ug/L	0.2	0.2		
252	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.2	0.2		
253	FLUORANTHENE	ND	ug/L	0.2	0.2		
255	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.2	0.2		
256	PHENANTHRENE	ND	ug/L	0.2	0.2		
257	PYRENE	ND	ug/L	0.2	0.2		
	- Phthalates						
258	BENZYL BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
259	DI-N-BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
260	DIETHYL PHTHALATE	ND	ug/L	0.6	0.6		
261	DIMETHYL PHTHALATE	ND	ug/L	0.6	0.6		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

EDGE ANALYTICAL
11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-3844

Project: WWBWC/ SOC

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B - Before treatment
Sample Purpose: Investigative or Other
Sample Location: OBS Well #1
County: Umatilla

Field ID: 70882
Lab Number: 04607654
Date Collected: 5/21/2004
Date Extracted: 508_040601
Date Analyzed: 6/9/2004
Report Date: 6/11/2004
Analyst: CMH
Supervisor:

EPA Method 508.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	PCBs/Toxaphene						
36	TOXAPHENE	**ND**	ug/L	2	2	3	
173	AROCLOR 1221	**ND**	ug/L	20	20		
174	AROCLOR 1232	**ND**	ug/L	0.5	0.5		
175	AROCLOR 1242	**ND**	ug/L	0.5	0.3		
176	AROCLOR 1248	**ND**	ug/L	0.1	0.1		
177	AROCLOR 1254	**ND**	ug/L	0.1	0.1		
178	AROCLOR 1260	**ND**	ug/L	0.2	0.2		
180	AROCLOR 1016	**ND**	ug/L	0.1	0.1		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

EDGE ANALYTICAL
11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

CARBAMATES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B - Before treatment
Sample Purpose: Investigative or Other
Sample Location: OBS Well #1
County: Umatilla

Reference Number: 04-3844

Project: WWBWC/ SOC

Field ID: 70882
Lab Number: 04607654
Date Collected: 5/21/2004
Date Extracted: 531_040603
Date Analyzed: 6/3/2004
Report Date: 6/8/2004
Analyst: TW
Supervisor:

EPA Method 531.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
146	CARBOFURAN	**ND**	ug/L	1.8	1.8	40	
148	OXYMAL	**ND**	ug/L	4	4.0	200	
	EPA Unregulated						
141	3-HYDROXYCARBOFURAN	**ND**	ug/L	2	2.0		
142	ALDICARB	**ND**	ug/L	1	1.0		
143	ALDICARB SULFONE	**ND**	ug/L	1.6	1.6		
144	ALDICARB SULFOXIDE	**ND**	ug/L	1	1.0		
145	CARBARYL	**ND**	ug/L	2	2.0		
147	METHOMYL	**ND**	ug/L	1	4.0		
	State Unregulated - Other						
326	PROPOXUR (BAYGON)	**ND**	ug/L	1			
327	METHIOCARB	**ND**	ug/L	4			

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 5/21/2004
DATE RECEIVED: 5/21/2004
SEND REPORT TO:
DATE REPORTED: 6/17/2004

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

LAB NO.	CLIENT ID / PROJECT NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSIS BY
70882	OBS Well #1	SOC/Synthetic Organic Co	Report		mg/L	Edge Analytical

<(0.001) indicates the analyte was not detected at or above the concentration indicated.
ND None Detected
mg/L Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

06-18-04
Date

EDGE ANALYTICAL
11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

HERBICIDES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-3844
Project: WWBWC/ SOC

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B - Before treatment
Sample Purpose: Investigative or Other
Sample Location: OBS Well #1
County: Umatilla

Field ID: 70882
Lab Number: 04607654
Date Collected: 5/21/2004
Date Extracted: 515_040602
Date Analyzed: 6/7/2004
Report Date: 6/9/2004
Analyst: CMH
Supervisor: JW

EPA Method 515.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
37	2,4 - D	ND	ug/L	0.2	0.2	70	
38	2,4,5 - TP (SILVEX)	ND	ug/L	0.4	0.4	50	
134	PENTACHLOROPHENOL	ND	ug/L	0.08	0.08	1	
137	DALAPON	ND	ug/L	2	2	200	
139	DINOSEB	ND	ug/L	0.4	0.4	7	
140	PICLORAM	ND	ug/L	0.2	0.2	500	
	EPA Unregulated						
138	DICAMBA	ND	ug/L	0.2	0.2		
	State Unregulated						
135	2,4 DB	ND	ug/L	1	1.0		
136	2,4,5 T	ND	ug/L	0.4	0.4		
220	BENTAZON	ND	ug/L	0.5	0.5		
221	DICHLORPROP	ND	ug/L	0.5	0.5		
223	ACTIFLORFIN	ND	ug/L	2	2.0		
225	DACTHAL (DCPA)	ND	ug/L	0.1	0.1		
226	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.5	0.5		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC37

EDGE ANALYTICAL
11525 Knudson Rd
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-3844
Project: WWBWC/ SOC

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B - Before treatment
Sample Purpose: Investigative or Other
Sample Location: OBS Well #1
County: Umatilla

Field ID: 70882
Lab Number: 04607654
Date Collected: 5/21/2004
Date Extracted: 525_040601
Date Analyzed: 6/2/2004
Report Date: 6/7/2004
Analyst: CMH
Supervisor: TW

EPA Method 525.2 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
33	ENDRIN	ND	ug/L	0.02	0.02	2	
34	LINDANE (BHC - GAMMA)	ND	ug/L	0.04	0.04	0.2	
35	METHOXYCHLOR	ND	ug/L	0.2	0.2	40	
117	ALACHLOR	ND	ug/L	0.4	0.4	2	
119	ATRAZINE	ND	ug/L	0.2	0.2	3	
120	BENZO(A)PYRENE	ND	ug/L	0.04	0.04	0.2	
122	CHLORDANE, TECHNICAL	ND	ug/L	0.4	0.4	2	
124	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	1.3	1.3	400	
125	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	1.3	1.3	6	
126	HEPTACHLOR	ND	ug/L	0.08	0.08	0.4	
127	HEPTACHLOR EPOXIDE (A&B)	ND	ug/L	0.04	0.04	0.2	
128	HEXACHLOROBENZENE	ND	ug/L	0.2	0.2	1	
129	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.2	0.2	50	
133	SIMAZINE	ND	ug/L	0.15	0.15	4	
	EPA Unregulated						
118	ALDRIN	ND	ug/L	0.2	0.2		
121	BUTACHLOR	ND	ug/L	0.4	0.4		
123	DIELDRIN	ND	ug/L	0.2	0.2		
130	METOLACHLOR	ND	ug/L	1	1.0		
131	METRIBUZIN	ND	ug/L	0.2	0.2		
132	PROPACHLOR	ND	ug/L	0.2	0.2		
	State Unregulated - Other						
179	BROMACIL	ND	ug/L	0.2	0.2		
183	PROMETON	ND	ug/L	0.2	0.2		
190	TERBACIL	ND	ug/L	0.2	0.2		
202	DIAZINON	ND	ug/L	0.2	0.2		
208	EPTC	ND	ug/L	0.3	0.3		
232	4,4-DDD	ND	ug/L	0.2	0.2		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA; NPDWR State Advisory Level (SAL) for unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
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J - Estimated value.

FORM: SOC07

EDGE ANALYTICAL

Reference Number: 04-3844
Lab Number: 04607654
Report Date: 6/7/2004

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
233	4,4-DDE	ND	ug/L	0.2	0.2		
234	4,4-DDT	ND	ug/L	0.2	0.2		
236	CYANAZINE	ND	ug/L	0.2	0.2		
239	MALATHION	ND	ug/L	0.2	0.2		
240	PARATHION	ND	ug/L	0.2	0.2		
243	TRIFLURALIN	ND	ug/L	0.2	0.2		
	- PAHs						
96	NAPTHALENE	ND	ug/L	0.1	0.1		
154	FLUORENE	ND	ug/L	0.2	0.2		
244	ACENAPHTHYLENE	ND	ug/L	0.2	0.2		
245	ACENAPHTHENE	ND	ug/L	0.2	0.2		
246	ANTHRACENE	ND	ug/L	0.2	0.2		
247	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.1		
248	BENZO(B)FLUORANTHENE	ND	ug/L	0.2	0.2		
249	BENZO(G,H,I)PERYLENE	ND	ug/L	0.2	0.2		
250	BENZO(K)FLUORANTHENE	ND	ug/L	0.2	0.2		
251	CHRYSENE	ND	ug/L	0.2	0.2		
252	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.2	0.2		
253	FLUORANTHENE	ND	ug/L	0.2	0.2		
255	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.2	0.2		
256	PHENANTHRENE	ND	ug/L	0.2	0.2		
257	PYRENE	ND	ug/L	0.2	0.2		
	- Phthalates						
258	BENZYL BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
259	DI-N-BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
260	DIETHYL PHTHALATE	ND	ug/L	0.6	0.6		
261	DIMETHYL PHTHALATE	ND	ug/L	0.6	0.6		

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J - Estimated value.

FORM: SOC97

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11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 • FAX (360) 757-1402

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-3844
Project: WWBWC/ SOC

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B - Before treatment
Sample Purpose: Investigative or Other
Sample Location: OBS Well #1
County: Umatilla

Field ID: 70882
Lab Number: 04607654
Date Collected: 5/21/2004
Date Extracted: 508_040601
Date Analyzed: 6/9/2004
Report Date: 6/11/2004
Analyst: CMH
Supervisor:

EPA Method 508.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	PCBs/Toxaphene						
36	TOXAPHENE	ND	ug/L	2	2	3	
173	AROCLOR 1221	ND	ug/L	20	20		
174	AROCLOR 1232	ND	ug/L	0.5	0.5		
175	AROCLOR 1242	ND	ug/L	0.5	0.3		
176	AROCLOR 1248	ND	ug/L	0.1	0.1		
177	AROCLOR 1254	ND	ug/L	0.1	0.1		
178	AROCLOR 1260	ND	ug/L	0.2	0.2		
180	AROCLOR 1016	ND	ug/L	0.1	0.1		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
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J - Estimated value.

FORM: SOC97

EDGE ANALYTICAL
11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

CARBAMATES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-3844
Project: WWBWC/ SOC

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type: B - Before treatment
Sample Purpose: Investigative or Other
Sample Location: OBS Well #1
County: Umatilla

Field ID: 70882
Lab Number: 04607654
Date Collected: 5/21/2004
Date Extracted: 531_040603
Date Analyzed: 6/3/2004
Report Date: 6/8/2004
Analyst: TW
Supervisor:

EPA Method 531.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
146	CARBOFURAN	ND	ug/L	1.8	1.8	40	
148	OXYMAL	ND	ug/L	4	4.0	200	
	EPA Unregulated						
141	3-HYDROXYCARBOFURAN	ND	ug/L	2	2.0		
142	ALDICARB	ND	ug/L	1	1.0		
143	ALDICARB SULFONE	ND	ug/L	1.6	1.6		
144	ALDICARB SULFOXIDE	ND	ug/L	1	1.0		
145	CARBARYL	ND	ug/L	2	2.0		
147	METHOMYL	ND	ug/L	1	4.0		
	State Unregulated - Other						
326	PROPOXUR (BAYGON)	ND	ug/L	1			
327	METHIOCARB	ND	ug/L	4			

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM SOC97

Kuo Testing Labs, Inc.

337 South 1st
Othello, Washington 99344
(509) 488-0112; Fax (509) 488-0118

Agricultural - Industrial - Environmental

INVOICE #	04-05-272
INVOICE DATE	05/14/04
CLIENT #	WWB2170
PURCHASE ORDER#	

Client: W.W.B.W.C.
Address: PO Box 68
MiltonFreewater, OR 97862

PN :

Project :

Grower :

Sampler : Bob

RptNo	RptDate	Field Identifier	Test	Description	Qty	Price	Extension
E70637	05/07/04	OBS Well #1,OBS Well #3	FECAL	Fecal Coliform	2	67.50	135.00

Notes: 04-05-272

Terms: Net 30 days following date of invoice. Invoices not paid in 30 days will be subject to interest charged at 1.5% per month (18% per year) with a minimum charge of 50 cents.

Invoice Total		135.00
Discount	0 %	-0.00
FAX Charge		0.00
Invoice Total Due		$135.00
Due Date		06/13/04

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 5/7/2004
DATE RECEIVED: 5/7/2004
DATE REPORTED: 5/12/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:
Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70637	OBS Well #1	Fecal E-Coli	<2	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
None Detected
:Indicates milligrams per litre
PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

05-12-04
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 5/7/2004
DATE RECEIVED: 5/7/2004
DATE REPORTED: 5/11/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70638	OBS Well #3	Fecal E-Coli	2	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
None Detected
:Indicates milligrams per litre
PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

05-11-04
Date

STATE OF WASHINGTON
DEPARTMENT OF HEALTH

WATER BACTERIOLOGICAL ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDENROD COPY
If instructions are not followed, sample will be rejected.

DATE COLLECTED (MONTH / DAY / YEAR)	TIME COLLECTED	COUNTY NAME
4 / 13 / 04	7 : 30 ☒ AM ☐ PM	Umatilla

TYPE OF SYSTEM: ☐ PUBLIC ☐ INDIVIDUAL (serves only 1 residence)

(IF PUBLIC SYSTEM, COMPLETE:) I.D. No. [ ][ ][ ][ ][ ][ ]

CIRCLE GROUP: A B

NAME OF SYSTEM: HBDC Recharge Project

SPECIFIC LOCATION WHERE SAMPLE COLLECTED: Well #1

TELEPHONE NO. DAY 541 276-3534 EVENING 541 938-2170

SAMPLE COLLECTED BY: (Name) Brady

SYSTEM OWNER/MGR.: (Name) HBDC / HBDC

SOURCE TYPE ☐ GROUND WATER UNDER SURFACE INFLUENCE
☐ SURFACE ☒ WELL or WELL FIELD ☐ SPRING ☐ PURCHASED or INTERTIE ☐ COMBINATION or OTHER

SEND REPORT TO: (Print Full Name, Address and Zip Code)

WASHINGTON

TYPE OF SAMPLE (check only one in this column)

☐ ROUTINE DRINKING WATER check treatment → ☐ Chlorinated (Residual: ____ Total ____ Free) ☐ Filtered ☐ Untreated or Other ____

☐ REPEAT SAMPLE Previous coliform presence Lab # ____ Date ____ / ____ / ____

☒ ~~RAW SOURCE~~ Well WATER Source # 5 ☐ NEW CONSTRUCTION or REPAIRS ☐ OTHER (Specify) ____

☐ Total Coliform ☐ Fecal Coliform

REMARKS:

(LAB USE ONLY) DRINKING WATER RESULTS

☒ UNSATISFACTORY, Coliforms present

REPEAT SAMPLES REQUIRED: ☒ ~~Coli~~ MS present ☒ E. Coli absent ☐ Fecal present ☐ Fecal absent

☐ SATISFACTORY, Coliforms absent

OTHER LABORATORY RESULTS

TOTAL COLIFORM ____ /100 ml E. COLI ____ /100ml
FECAL COLIFORM ____ /100 ml PLATE COUNT ____ /ml

ANOTHER SAMPLE REQUIRED

SAMPLE NOT TESTED BECAUSE:
☐ Sample too old
☐ Wrong container
☐ Incomplete form
☐ ____

TEST UNSUITABLE BECAUSE:
☐ Confluent growth
☐ TNTC
☐ Turbid culture
☐ Excess debris

SEE REVERSE SIDE OF GREEN COPY FOR EXPLANATION OF RESULTS

LAB NO. (7 DIGITS)	DATE, TIME RECEIVED	RECEIVED BY
109-70893	4/14/04 930	

DATE REPORTED	LABORATORY
4/16/04	

REMARKS
DOH 368-002 (REV. 4/92)

Faxed to Kevin Lindsay 2:20pm 4/16/04 Gina

STATE OF WASHINGTON
DEPARTMENT OF HEALTH

WATER BACTERIOLOGICAL ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDENROD COPY
If instructions are not followed, sample will be rejected.

DATE COLLECTED (MONTH / DAY / YEAR)	TIME COLLECTED	COUNTY NAME
4 / 13 / 4	8 : 30 ☒ AM ☐ PM	Umatilla

TYPE OF SYSTEM: ☐ PUBLIC ☐ INDIVIDUAL (serves only 1 residence)
IF PUBLIC SYSTEM, COMPLETE: I.D. No. [ ] CIRCLE GROUP A B

NAME OF SYSTEM: HSDIC Recharge #17

SPECIFIC LOCATION WHERE SAMPLE COLLECTED: Intake
TELEPHONE NO. DAY (541) 938-2170 EVENING

SAMPLE COLLECTED BY: (Name) Intake
SYSTEM OWNER/MGR.: (Name) HSDIC

SOURCE TYPE ☐ GROUND WATER UNDER SURFACE INFLUENCE
☒ SURFACE ☐ WELL or WELL FIELD ☐ SPRING ☐ PURCHASED or INTERTIE ☐ COMBINATION or OTHER

SEND REPORT TO: (Print Full Name, Address and Zip Code)
Bauer WWBWC
PO Box 68 Milton-Freewater WASHINGTON 97862

TYPE OF SAMPLE (check only one in this column)
☐ ROUTINE DRINKING WATER check treatment → ☐ Chlorinated (Residual: ___ Total ___ Free) ☐ Filtered ☐ Untreated or Other
☐ REPEAT SAMPLE Previous coliform presence Lab # Date

☐ RAW SOURCE WATER Source # 8
☐ NEW CONSTRUCTION or REPAIRS
☐ OTHER (Specify)
☐ Total Coliform ☐ Fecal Coliform

REMARKS:

(LAB USE ONLY) DRINKING WATER RESULTS

☒ UNSATISFACTORY, Coliforms present — REPEAT SAMPLES REQUIRED
☒ E. Coli present ☐ E. Coli absent
☐ Fecal present ☐ Fecal absent

☐ SATISFACTORY, Coliforms absent

OTHER LABORATORY RESULTS

TOTAL COLIFORM ____ /100 ml E. COLI ____ /100ml
FECAL COLIFORM ____ /100 ml PLATE COUNT ____ /ml

ANOTHER SAMPLE REQUIRED

SAMPLE NOT TESTED BECAUSE:
☐ Sample too old
☐ Wrong container
☐ Incomplete form
☐ ____

TEST UNSUITABLE BECAUSE:
☐ Confluent growth
☐ TNTC
☐ Turbid culture
☐ Excess debris

SEE REVERSE SIDE OF GREEN COPY FOR EXPLANATION OF RESULTS

LAB NO. (7 DIGITS)	DATE, TIME RECEIVED	RECEIVED BY
109-70989	4/14/04 800	

DATE REPORTED 4/16/04 LABORATORY:

REMARKS
DOH 305-002 (REV. 4/93)

STATE OF WASHINGTON
DEPARTMENT OF HEALTH

WATER BACTERIOLOGICAL ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDENROD COPY
If instructions are not followed, sample will be rejected.

DATE COLLECTED (MONTH / DAY / YEAR)	TIME COLLECTED	COUNTY NAME
4 / 13 / 4	8 : 30 ☒ AM ☐ PM	Umatilla

TYPE OF SYSTEM: ☐ PUBLIC ☐ INDIVIDUAL (serves only 1 residence)
IF PUBLIC SYSTEM, COMPLETE: I.D. No. [ ]
CIRCLE GROUP: A B

NAME OF SYSTEM: HBDIC Recharge 617

SPECIFIC LOCATION WHERE SAMPLE COLLECTED: Intake
TELEPHONE NO. DAY (541) 938-2170 EVENING

SAMPLE COLLECTED BY: (Name) Intake
SYSTEM OWNER/MGR.: (Name) HBDIC

SOURCE TYPE: ☐ GROUND WATER UNDER SURFACE INFLUENCE
☒ SURFACE ☐ WELL or WELL FIELD ☐ SPRING ☐ PURCHASED or INTERTIE ☐ COMBINATION or OTHER

SEND REPORT TO: (Print Full Name, Address and Zip Code)
Bruce WWBWC
PO Box 68 M-F, WA 97812
WASHINGTON

TYPE OF SAMPLE (check only one in this column)
☐ ROUTINE DRINKING WATER check treatment → ☐ Chlorinated (Residual: ___ Total ___ Free) ☐ Filtered ☐ Untreated or Other ___
☐ REPEAT SAMPLE Previous coliform presence Lab # ___ Date ___
☐ RAW SOURCE WATER Source # S [ ] ☐ Total Coliform ☐ Fecal Coliform
☐ NEW CONSTRUCTION or REPAIRS
☐ OTHER (Specify) ___

REMARKS:

(LAB USE ONLY) DRINKING WATER RESULTS

☒ UNSATISFACTORY, Coliforms present — REPEAT SAMPLES REQUIRED: ☒ E. Coli present ☐ E. Coli absent ☐ Fecal present ☐ Fecal absent
☐ SATISFACTORY, Coliforms absent

OTHER LABORATORY RESULTS

TOTAL COLIFORM ___ /100 ml E. COLI ___ /100ml
FECAL COLIFORM ___ /100 ml PLATE COUNT ___ /ml

ANOTHER SAMPLE REQUIRED

SAMPLE NOT TESTED BECAUSE:
☐ Sample too old
☐ Wrong container
☐ Incomplete form
☐ ___

TEST UNSUITABLE BECAUSE:
☐ Confluent growth
☐ TNTC
☐ Turbid culture
☐ Excess debris

SEE REVERSE SIDE OF GREEN COPY FOR EXPLANATION OF RESULTS

LAB NO. (7 DIGITS)	DATE, TIME RECEIVED	RECEIVED BY
109-70889	4/14/04 8:00	

DATE REPORTED: 4/16/04
LABORATORY:

REMARKS

DOH 305-002 (REV. 4/92)
DP CENTER COPY

Bob Bower

From: "Bob Bower" <bob.bower@wwbwc.org>
To: "Walla Walla River Irrigation District" <wwrid@qwest.net>; "Tony Justus" <tony.g.justus@wrd.state.or.us>; <Stephen.c.hall@usace.army.mil>; "Rick George" <rickgeorge@ctuir.com>; "Phil Richerson" <RICHERSON.Phil@deq.state.or.us>; "Mike Ladd" <michael.f.ladd@wrd.state.or.us>; "Kevin Scribner" <ktscribner@gohighspeed.com>; "Jon Brough" <jon@gohighspeed.com>; "John Zerba" <wahs@bmi.net>; "John Warinner" <warinner@bmi.net>; "John Covert" <jcov461@ecy.wa.gov>; "Jim Chambers" <Jim.R.CHAMBERS@WRD.State.or.us>; "Gary James" <garyjames@ctuir.com>; "Donn Miller" <Donn.W.MILLER@wrd.state.or.us>; "Dan Evans GTH-Law" <devans@gth-law.com>; "Chris J Hyland" <chris.j.hyland@nww01.usace.army.mil>; "Brian Wolcott" <brian.wolcott@wwbwc.org>; "Brian Mayer OWRD-Wells Inspector" <brian.m.mayer@wrd.state.or.us>; "Bill Neve" <wnev461@ecy.wa.gov>; "Tom Darnell" <Thomas.Darnell@orst.edu>
Cc: "WOLGAMOTT Mitch" <WOLGAMOTT.Mitch@deq.state.or.us>; "Stephanie Eaton" <stephanie.eaton@wwbwc.org>; "Gina Massoni" <gina.massoni@wwbwc.org>; "Eric Pfeifer" <pfeifdog@whitties.org>; "Rivera Chris" <chris.rivera@wwbwc.org>; "Brian Wolcott" <brian.wolcott@wwbwc.org>; "Bob Chicken" <bob.chicken@wwbwc.org>; "Bob Bower" <Bob.bower@wwbwc.org>
Sent: Thursday, April 22, 2004 11:34 AM
Subject: WQ update

Good morning,

Some news on the recharge site (left voice mail with Phil).

After our fecal coliform hit at the intake site (ditch water) last week, I did a battery of fecal and E. coli (CFU counts) samples on:

(1) Intake (ditch water)
(2) Well 1 (downgradient obs well, influenced by project water)
(3) Well 3 (upgradient control well).

I just received the results this am (via phone and fax):

Recharge Intake was **fecal 40 cfus, E. Coli 24.1 (cfus = colony forming units per 100 ml)**
Well # 1 **fecal 3.1 cfus, E. Coli 2.0**
Upgradient control Well # 3 **fecal 14.8, E. Coli 7.5**

In my opinion this is what I believe is going on (knowing that this a very small sample size).

We know that the ditch by itself brought up the aquifer ~20 feet **before** we turned on the recharge project. I would guess that the ditch is the main vector for movement of the bacteria based on reported concentrations and the aquifer static being dramatically influenced by the ditch without the project being on. I would say that the problem may be background all along the ditch back to where ever the source is. I have 12 more fecal/e. coli concentration (cfus) tests ordered (here Monday) that I was going to use to move back up gradient of the site and test both ditch and wells along the way. I would also take three samples from Well #1 (recharge influenced) throughout a 24 hour period, to see if this is an episodic plume type event.

As I told Phil on the phone, hind site is 20-20. We have WQ samples for the conditions before the ditch was on, and after the ditch AND the recharge project were running. What we missed was a WQ sample with JUST the ditch on, which would provide us with a better background condition for the recharge operation. We can capture that when we turned off the project and sample before the ditch goes off. One thing we can definitely refine for next year's recharge season.

In my thesis work in the Tillamook watershed, we saw that septic related feces in river/streams appeared to trend with time of day. Early morning and evenings when people are home, using their toilets, showers, etc. Certainly

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 5/21/2004
DATE RECEIVED: 5/21/2004
DATE REPORTED: 6/7/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70878	OBS Well #1	Fecal Coliform	<2	2	MPN/100mL	Cascade Analytical

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

06-07-02
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 5/21/2004
DATE RECEIVED: 5/21/2004
DATE REPORTED: 6/7/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:
Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70879	OBS Well #3	Fecal Coliform	<2	2	MPN/100mL	Cascade Analytical

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
: Indicates milligrams per litre
=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
Method Detection Limit
e check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

06-07-02
Date

Kuo Testing Labs, Inc.

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(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 5/21/2004
DATE RECEIVED: 5/21/2004
DATE REPORTED: 6/7/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:
Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70880	Intake	Fecal Coliform	130	2	MPN/100mL	Cascade Analytical

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
:Indicates milligrams per litre
=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
Method Detection Limit
check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

06-07-02
Date

Kuo Testing Labs, Inc.

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(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 5/7/2004
DATE RECEIVED: 5/7/2004
DATE REPORTED: 5/12/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70637	OBS Well #1	Fecal E-Coli	<2	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

05-12-04
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 5/7/2004
DATE RECEIVED: 5/7/2004
DATE REPORTED: 5/11/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
70638	OBS Well #3	Fecal E-Coli	2	2	CFU/100ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

05-11-04
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue Othello, WA 99344
(509)488-0112 (800)328-0112 Fax (509)488-0118 Web Site http://www.kuotesting.com

INORGANIC CHEMICALS (IOCS) REPORT FOR NITRATES

Type of System: **Individual**

Water System/Customer Name: **W.W.B.W.C.**

PWS ID No.:41

System Address **PO Box 68**

CITY **Milton Freewater** County **Umatilla** (should be) ZIP **97862**

Sample Location: **Well #2-Recharge Project** (Well #1)

Date Collected: **3/10/2004** *Date Received:* **3/11/2004** *Date Analyzed:* **3/15/2004**

Laboratory No.:WA060-69716 *Date Reported:* **3/15/2004**

Party To Pay for Testing: **W.W.B.W.C** Send Results To: **Bob Bower**

PO Box 68 **PO Box 68**

Milton Freewater OR 97862 **Milton Freewater OR 97862**

Contaminant - Method	Code	MCL mg/L	Analyst	Analysis mg/L
Nitrate (NO3- N)SM4500-NO3-D	1040	10.	Qian	1.64
Nitrite (NO2-N)SM4500-NO2-B	1041	1.0		
Nitrite + Nitrate	1038	10.		

NOTES:

MCL (Maximum Contaminant Level): if the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): in the results column indicates this compound was not included in the current analysis.

ND (Not Detected): in the results column indicates this compound was analyzed and not detected at a level greater than or equal to the value shown.

mg/L: indicates milligrams per liter or parts per million.

<0.100: indicates the compound was detected but at a value below the concentration indicated.

Comments: See our new Web Site at **http://www.kuotesting.com**

Dr. Eugene Kuo, Quality Assurance Coordinator

03-15-04
Date

pd $41.00 - #1548 4/1/04

Enter Public Water System ID # in boxes below:

4	1					

Name of Water System: W.W.B.W.C.

Phone 541-938-2170 County Umatilla

Collection date and time: 3 / 10 / 04 (Month / Day / Year) 3 : 15 (Hour : Min) a.m. / p.m.

Type of sample: ❑ Routine ❑ *Repeat ❑ Special

*If repeat, date of initial positive _____

If repeat, location: ❑ Upstream ❑ Same ❑ Downstream ❑ Other

Collected by: Bob Bauer

Sample point: well #2

Chlorinated? ❑ Yes ❑ No Free chlorine mg/l _____

Return address for report:

Name Bob Bauer

Address P.O. Box 68

City, state, zip Milton-Freewater, OR 97862

Send results to: **DHS-Drinking Water Program: P.O. Box 14350, Portland OR 97293-0350 Phone (503) 731-4381**

DHS oregon department of human services

MICROBIOLOGICAL ANALYSIS

PUBLIC WATER SUPPLIES
DRINKING WATER PROGRAM

LABORATORY RESULTS

Total coliforms: ❑ Present* ❑ Absent

Fecal coliforms/*E.coli:* ❑ Present* ❑ Absent

*see back of pink copy for interpretation

Test Methods:

Total coliforms: ❑ MTF ❑ MF ❑ P-A ❑ CF

Fecal coliforms: ❑ EC

E. coli: ❑ CF ❑ EC+MUG ❑ Nutrient Agar + MUG
❑ cytochrome oxidase/Beta-galactosidase

*If repeat, sample ID of initial positive: _____

❑ Sample invalid: resample immediately

Copy Distribution:
White: Lab
Yellow: Dept. of Human Services
Pink: Water System

Form # 50-90 (Rev. 1/02)

Laboratory Name

Lab ID # W1066

Sample # 69715

Date & time received: 3/11/04 2215

Received by: RJ

Date & time analysis begun: 3/11/04 14:32

Comments:

Invalidation reason:
❑ Leaked ❑ Over 30 hrs. old
❑ Heavy non-coliform growth (as defined by method)
❑ Other _____

Analyst: _____ Date: 3/11/04

Review by: _____ Date: 3/12/04

Kuo Testing Labs, Inc.

337 South 1st Avenue Othello, WA 99344
(509)488-0112 (800)328-0112 Fax (509)488-0118 Web Site http://www.kuotesting.com

INORGANIC CHEMICALS (IOCS) REPORT FOR NITRATES

Type of System: **Individual**

Water System/Customer Name: **W.W.B.W.C.** PWS ID No.:**41**

System Address **PO Box 68**

CITY **Milton Freewater** County **Umatilla** ZIP **97862**

Sample Location: **Well #1**

Date Collected: **4/13/2004** *Date Received:* **4/14/2004** *Date Analyzed:* **4/15/2004**

Laboratory No.:WA060-70294 *Date Reported:* **4/15/2004**

Party To Pay for Testing: **W.W.B.W.C.** Send Results To: **Bob Bower**

PO Box 68 **PO Box 68**

Milton Freewater OR 97862 **Milton Freewater OR 97862**

Contaminant - Method	Code	MCL mg/L	Analyst	Analysis mg/L
Nitrate (NO3- N)SM4500-NO3-D	1040	10.	Qian	ND
Nitrite (NO2-N)SM4500-NO2-B	1041	1.0		
Nitrite + Nitrate	1038	10.		

NOTES:

MCL (Maximum Contaminant Level): if the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): in the results column indicates this compound was not included in the current analysis.

ND (Not Detected): In the results column indicates this compound was analyzed and not detected at a level greater than or equal to the value shown.

mg/L: indicates milligrams per liter or parts per million.

<0.100: indicates the compound was detected but at a value below the concentration indicated.

Comments: See our new Web Site at http://www.kuotesting.com

Mollyann for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

April 15, 2004
Date

IOCS NITRATES

orig. bill to Gina to pay

Kuo Testing Labs, Inc.

337 South 1st
Othello, Washington 99344
(509) 488-0112; Fax (509) 488-0118

Agricultural - Industrial - Environmental

INVOICE #	04-04-258
INVOICE DATE	04/16/04
CLIENT #	WWB2170
PURCHASE ORDER#	

Client: W.W.B.W.C.
Address: PO Box 68
MiltonFreewater, OR 97862

PN :

Project :

Grower :

Sampler : Bob Bower

RptNo	RptDate	Field Identifier	Test	Description	Qty	Price	Extension
E70289	04/14/04	Intake,Well #1	A1-1	Total Coliform and E. Coli	2	17.00	34.00
E70289	04/14/04	Intake,Well #1	A2-1	NO3-N	2	24.00	48.00

Notes: 04-04-258

Invoice Total		82.00
Discount	0 %	-0.00
FAX Charge		0.00
Invoice Total Due		$82.00
Due Date		05/16/04

Terms: Net 30 days following date of invoice. Invoices not paid in 30 days will be subject to interest charged at 1.5% per month (18% per year) with a minimum charge of 50 cents.

STATE OF WASHINGTON
DEPARTMENT OF HEALTH

WATER BACTERIOLOGICAL ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDENROD COPY

If instructions are not followed, sample will be rejected.

DATE COLLECTED (MONTH / DAY / YEAR)	TIME COLLECTED	COUNTY NAME
4 / 13 / 04	7 : 30 ☒ AM ☐ PM	Umatilla

TYPE OF SYSTEM: ☐ PUBLIC ☐ INDIVIDUAL (serves only 1 residence)

IF PUBLIC SYSTEM, COMPLETE: I.D. No. [ ][ ][ ][ ][ ][ ]

CIRCLE GROUP: A B

NAME OF SYSTEM: HBDIC Reclaim Project

SPECIFIC LOCATION WHERE SAMPLE COLLECTED: Well #1

TELEPHONE NO. DAY (509) 520-3534 EVENING (541) 936-2170

SAMPLE COLLECTED BY: (Name) Bowker

SYSTEM OWNER/MGR.: (Name) HBDIC / HDWBLEC

SOURCE TYPE ☐ GROUND WATER UNDER SURFACE INFLUENCE

☐ SURFACE ☒ WELL or WELL FIELD ☐ SPRING ☐ PURCHASED or INTERTIE ☐ COMBINATION or OTHER

SEND REPORT TO: (Print Full Name, Address and Zip Code)

WASHINGTON

TYPE OF SAMPLE (check only one in this column)

☐ ROUTINE DRINKING WATER check treatment →
- ☐ Chlorinated (Residual: ____ Total ____ Free)
- ☐ Filtered
- ☐ Untreated or Other ____

☐ REPEAT SAMPLE Previous coliform presence Lab # ____ Date ____/____/____

☒ RAW SOURCE WATER (WELL) Source # S [ ][ ]
☐ NEW CONSTRUCTION or REPAIRS
☐ OTHER (Specify) ____

☐ Total Coliform
☐ Fecal Coliform

REMARKS:

(LAB USE ONLY) DRINKING WATER RESULTS

☒ UNSATISFACTORY, Coliforms present

REPEAT SAMPLES REQUIRED: ☒ E. Coli present (MG) ☒ E. Coli absent ☐ Fecal present ☐ Fecal absent

☐ SATISFACTORY, Coliforms absent

OTHER LABORATORY RESULTS

TOTAL COLIFORM ____ /100 ml E. COLI ____ /100ml
FECAL COLIFORM ____ /100 ml PLATE COUNT ____ /ml

ANOTHER SAMPLE REQUIRED

SAMPLE NOT TESTED BECAUSE:
- ☐ Sample too old
- ☐ Wrong container
- ☐ Incomplete form
- ☐ ____

TEST UNSUITABLE BECAUSE:
- ☐ Confluent growth
- ☐ TNTC
- ☐ Turbid culture
- ☐ Excess debris

SEE REVERSE SIDE OF GREEN COPY FOR EXPLANATION OF RESULTS

NO. (7 DIGITS)	DATE, TIME RECEIVED	RECEIVED BY
109-70393	4/14/04 800	

DATE REPORTED 4/16/04 LABORATORY:

REMARKS

DOH 305-002 (REV. 4/92)

WATER SUPPLIER COPY

STATE OF WASHINGTON
DEPARTMENT OF HEALTH

WATER BACTERIOLOGICAL ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDENROD COPY

If instructions are not followed, sample will be rejected.

DATE COLLECTED (MONTH / DAY / YEAR)	TIME COLLECTED	COUNTY NAME
4 / 13 / 4	: ☐ AM ☐ PM	

TYPE OF SYSTEM
☐ PUBLIC
☐ INDIVIDUAL (serves only 1 residence)

IF PUBLIC SYSTEM, COMPLETE:
I.D. No. [| | | | | |]

CIRCLE GROUP A B

NAME OF SYSTEM

SPECIFIC LOCATION WHERE SAMPLE COLLECTED

TELEPHONE NO.
DAY ( )
EVENING ( )

SAMPLE COLLECTED BY: (Name)

SYSTEM OWNER/MGR.: (Name)

SOURCE TYPE ☐ GROUND WATER UNDER SURFACE INFLUENCE

☐ SURFACE ☐ WELL or WELL FIELD ☐ SPRING ☐ PURCHASED or INTERTIE ☐ COMBINATION or OTHER

SEND REPORT TO: (Print Full Name, Address and Zip Code)

WASHINGTON

TYPE OF SAMPLE (check only one in this column)

☐ ROUTINE DRINKING WATER check treatment →
- ☐ Chlorinated (Residual: ____ Total ____ Free)
- ☐ Filtered
- ☐ Untreated or Other ____

☐ REPEAT SAMPLE Previous coliform presence Lab # ____ Date ____ / ____ / ____

☐ RAW SOURCE WATER Source # S [|]
☐ NEW CONSTRUCTION or REPAIRS
☐ OTHER (Specify) ____

☐ Total Coliform
☐ Fecal Coliform

REMARKS:

(LAB USE ONLY) DRINKING WATER RESULTS

☒ UNSATISFACTORY, Coliforms present

REPEAT SAMPLES REQUIRED
- ☒ E. Coli present
- ☐ E. Coli absent
- ☐ Fecal present
- ☐ Fecal absent

☐ SATISFACTORY, Coliforms absent

OTHER LABORATORY RESULTS

TOTAL COLIFORM ____ /100 ml
FECAL COLIFORM ____ /100 ml
E. COLI ____ /100ml
PLATE COUNT ____ /ml

ANOTHER SAMPLE REQUIRED

SAMPLE NOT TESTED BECAUSE:
- ☐ Sample too old
- ☐ Wrong container
- ☐ Incomplete form
- ☐ ____

TEST UNSUITABLE BECAUSE:
- ☐ Confluent growth
- ☐ TNTC
- ☐ Turbid culture
- ☐ Excess debris

SEE REVERSE SIDE OF GREEN COPY FOR EXPLANATION OF RESULTS

NO. (7 DIGITS)	DATE, TIME RECEIVED	RECEIVED BY
101-70589	4/14/04 [illegible]	[illegible]

DATE REPORTED 4/16/04

LABORATORY:

REMARKS

DOH 305-002 (REV. 4/92)

WATER SUPPLIER COPY

Kuo Testing Labs, Inc.

337 South 1st Avenue Othello, WA 99344
(509)488-0112 (800)328-0112 Fax (509)488-0118 Web Site http://www.kuotesting.com

INORGANIC CHEMICALS (IOCS) REPORT FOR NITRATES

Type of System: **Individual**

Water System/Customer Name: **W.W.B.W.C.**

PWS ID No.:41

System Address **PO Box 68**

CITY **Milton Freewater** County **Umatilla** ZIP **97862**

Sample Location: **Intake**

Date Collected: **4/13/2004** *Date Received:* **4/14/2004** *Date Analyzed:* **4/15/2004**

Laboratory No.:WA060-70290 *Date Reported:* **4/15/2004**

Party To Pay for Testing: **W.W.B.W.C**
PO Box 68
Milton Freewater OR 97862

Send Results To: **Bob Bower**
PO Box 68
Milton Freewater OR 97862

Contaminant - Method	Code	MCL mg/L	Analyst	Analysis mg/L
Nitrate (NO3- N)SM4500-NO3-D	1040	10.	Qian	ND
Nitrite (NO2-N)SM4500-NO2-B	1041	1.0		
Nitrite + Nitrate	1038	10.		

NOTES:

MCL (Maximum Contaminant Level): if the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): in the results column indicates this compound was not included in the current analysis.

ND (Not Detected): in the results column indicates this compound was analyzed and not detected at a level greater than or equal to the value shown.

mg/L: indicates milligrams per liter or parts per million.

<0.100: indicates the compound was detected but at a value below the concentration indicated.

Comments: See our new Web Site at **http://www.kuotesting.com**

Mollyeen for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

April 15, 2004
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue Othello, WA 99344
(509)488-0112 (800)328-0112 Fax (509)488-0118 Web Site http://www.kuotesting.com

INORGANIC CHEMICALS (IOCS) REPORT FOR NITRATES

Type of System: **Individual**

Water System/Customer Name: **W.W.B.W.C.** **PWS ID No.:41**

System Address **PO Box 68**

CITY **Milton Freewater** County **Umatilla** ZIP **97862**

Sample Location: **Well #1**

Date Collected: **4/13/2004** *Date Received:* **4/14/2004** *Date Analyzed:* **4/15/2004**

Laboratory No.:WA060-70294 *Date Reported:* **4/15/2004**

Party To Pay for Testing: **W.W.B.W.C** Send Results To: **Bob Bower**

PO Box 68 **PO Box 68**

Milton Freewater OR 97862 **Milton Freewater OR 97862**

Contaminant - Method	Code	MCL mg/L	Analyst	Analysis mg/L
Nitrate (NO3- N)SM4500-NO3-D	1040	10.	Qian	ND
Nitrite (NO2-N)SM4500-NO2-B	1041	1.0		
Nitrite + Nitrate	1038	10.		

NOTES:

MCL (Maximum Contaminant Level): if the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): in the results column indicates this compound was not included in the current analysis.

ND (Not Detected): in the results column indicates this compound was analyzed and not detected at a level greater than or equal to the value shown.

mg/L: indicates milligrams per liter or parts per million.

<0.100: indicates the compound was detected but at a value below the concentration indicated.

Comments: See our new Web Site at **http://www.kuotesting.com**

Mollyann for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

April 15, 2004
Date

STATE OF WASHINGTON
DEPARTMENT OF HEALTH

WATER BACTERIOLOGICAL ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDENROD COPY
If instructions are not followed, sample will be rejected.

DATE COLLECTED (MONTH / DAY / YEAR)	TIME COLLECTED	COUNTY NAME
4 / 13 / 04	7 : 30 ☒ AM ☐ PM	Umatilla

TYPE OF SYSTEM: ☐ PUBLIC ☐ INDIVIDUAL (serves only 1 residence)
IF PUBLIC SYSTEM, COMPLETE: I.D. No.
CIRCLE GROUP: A B

NAME OF SYSTEM: HPSDC Recharge Project

SPECIFIC LOCATION WHERE SAMPLE COLLECTED: Well #1

TELEPHONE NO. DAY 541 564-3534 EVENING 541 938-2110

SAMPLE COLLECTED BY: (Name) Barry

SYSTEM OWNER/MGR.: (Name) HPSDC / OWRD

SOURCE TYPE: ☐ GROUND WATER UNDER SURFACE INFLUENCE
☐ SURFACE ☒ WELL or WELL FIELD ☐ SPRING ☐ PURCHASED or INTERTIE ☐ COMBINATION or OTHER

SEND REPORT TO: (Print Full Name, Address and Zip Code)

WASHINGTON

TYPE OF SAMPLE (check only one in this column)

☐ ROUTINE DRINKING WATER check treatment → ☐ Chlorinated (Residual: ____ Total ____ Free) ☐ Filtered ☐ Untreated or Other

☐ REPEAT SAMPLE Previous coliform presence Lab # ____ Date ____

☒ RAW ~~SOURCE~~ WELL WATER Source # S
☐ NEW CONSTRUCTION or REPAIRS
☐ OTHER (Specify)

☐ Total Coliform ☐ Fecal Coliform

REMARKS:

(LAB USE ONLY) DRINKING WATER RESULTS

☒ UNSATISFACTORY, Coliforms present — REPEAT SAMPLES REQUIRED
☒ ~~E. Coli~~ MQ present ☐ Fecal present
☒ E. Coli absent ☐ Fecal absent

☐ SATISFACTORY, Coliforms absent

OTHER LABORATORY RESULTS

TOTAL COLIFORM ____ /100 ml E. COLI ____ /100ml
FECAL COLIFORM ____ /100 ml PLATE COUNT ____ /ml

ANOTHER SAMPLE REQUIRED

SAMPLE NOT TESTED BECAUSE:
☐ Sample too old
☐ Wrong container
☐ Incomplete form
☐ ____

TEST UNSUITABLE BECAUSE:
☐ Confluent growth
☐ TNTC
☐ Turbid culture
☐ Excess debris

SEE REVERSE SIDE OF GREEN COPY FOR EXPLANATION OF RESULTS

LAB NO. (7 DIGITS)	DATE TIME RECEIVED	RECEIVED BY
109-70893	4/14/04 800	

DATE REPORTED 4/16/04 LABORATORY:

REMARKS
DOH 306-002 (REV. 4/92)

Appendices I-B

HBDIC Recharge Water Quality Testing:

Lab Results, Notes and Records

2004-2005 Recharge Season

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 5/19/2005
DATE RECEIVED: 5/20/2005
DATE REPORTED: 6/24/2005
SEND REPORT TO:

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
76494	OBS-#1	SOC/Synthetic Organic Co	Report		mg/L	Edge Analytical

01): indicates the analyte was not detected at or above the concentration indicated.
None Detected
/L:Indicates milligrams per litre
QL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

06-24-05
Date

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Burlington, WA 98233
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(360) 757-1400 - FAX (360) 757-1402

HERBICIDES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 05-05830

Project: 76494

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: OBS #1
County:

Field ID: W W B W C
Lab Number: 04613162
Date Collected: 5/19/2005
Date Extracted: 515_050601
Date Analyzed: 6/3/2005
Report Date: 6/6/2005
Analyst: CMH
Supervisor:

EPA Method 515.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
37	2,4 - D	**ND**	ug/L	0.2	0.2	70	
38	2,4,5 - TP (SILVEX)	**ND**	ug/L	0.4	0.4	50	
134	PENTACHLOROPHENOL	**ND**	ug/L	0.08	0.08	1	
137	DALAPON	**ND**	ug/L	2	2	200	
139	DINOSEB	**ND**	ug/L	0.4	0.4	7	
140	PICLORAM	**ND**	ug/L	0.2	0.2	500	
	EPA Unregulated						
138	DICAMBA	**ND**	ug/L	0.2	0.2		
	State Unregulated						
135	2,4 DB	**ND**	ug/L	1.0	1.0		
136	2,4,5 T	**ND**	ug/L	0.4	0.4		
220	BENTAZON	**ND**	ug/L	0.5	0.5		
221	DICHLORPROP	**ND**	ug/L	0.5	0.5		
223	ACTIFLORFIN	**ND**	ug/L	2.0	2.0		
225	DACTHAL (DCPA)	**ND**	ug/L	0.1	0.1		
226	3,5 - DICHLOROBENZOIC ACID	**ND**	ug/L	0.5	0.5		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: OBS #1
County:
Sampled By:
Sampler Phone:

Reference Number: 05-05830

Project: 76494

Field ID: W W B W C
Lab Number: 04613162
Date Collected: 5/19/2005
Date Extracted: 525_050601
Date Analyzed: 6/7/2005
Report Date: 6/17/2005
Analyst: MW
Supervisor:

EPA Method 525.2 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
33	ENDRIN	ND	ug/L	0.02	0.02	2	
34	LINDANE (BHC - GAMMA)	ND	ug/L	0.04	0.04	0.2	
35	METHOXYCHLOR	ND	ug/L	0.2	0.2	40	
117	ALACHLOR	ND	ug/L	0.4	0.4	2	
119	ATRAZINE	ND	ug/L	0.2	0.2	3	
120	BENZO(A)PYRENE	ND	ug/L	0.04	0.04	0.2	
122	CHLORDANE, TECHNICAL	ND	ug/L	0.4	0.4	2	
124	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	1.3	1.3	400	
125	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	1.3	1.3	6	
126	HEPTACHLOR	ND	ug/L	0.08	0.08	0.4	
127	HEPTACHLOR EPOXIDE (A&B)	ND	ug/L	0.04	0.04	0.2	
128	HEXACHLOROBENZENE	ND	ug/L	0.2	0.2	1	
129	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.2	0.2	50	
133	SIMAZINE	ND	ug/L	0.15	0.15	4	
	EPA Unregulated						
118	ALDRIN	ND	ug/L	0.2	0.2		
121	BUTACHLOR	ND	ug/L	0.4	0.4		
123	DIELDRIN	ND	ug/L	0.2	0.2		
130	METOLACHLOR	ND	ug/L	1.0	1.0		
131	METRIBUZIN	ND	ug/L	0.2	0.2		
132	PROPACHLOR	ND	ug/L	0.2	0.2		
	State Unregulated - Other						
179	BROMACIL	ND	ug/L	0.2	0.2		
183	PROMETON	ND	ug/L	0.2	0.2		Qualitative Analysis Only
190	TERBACIL	ND	ug/L	0.2	0.2		
202	DIAZINON	ND	ug/L	0.2	0.2		Unstable in Acidified Sample Matrix
208	EPTC	ND	ug/L	0.3	0.3		

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****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
232	4,4-DDD	ND	ug/L	0.2	0.2		
233	4,4-DDE	ND	ug/L	0.2	0.2		
234	4,4-DDT	ND	ug/L	0.2	0.2		
236	CYANAZINE	ND	ug/L	0.2	0.2		Qualitative Analysis Only
239	MALATHION	ND	ug/L	0.2	0.2		
240	PARATHION	ND	ug/L	0.2	0.2		
243	TRIFLURALIN	ND	ug/L	0.2	0.2		
	- PAHs						
96	NAPTHALENE	ND	ug/L	0.1	0.1		
154	FLUORENE	ND	ug/L	0.2	0.2		
244	ACENAPHTHYLENE	ND	ug/L	0.2	0.2		
245	ACENAPHTHENE	ND	ug/L	0.2	0.2		
246	ANTHRACENE	ND	ug/L	0.2	0.2		
247	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.1		
248	BENZO(B)FLUORANTHENE	ND	ug/L	0.2	0.2		
249	BENZO(G,H,I)PERYLENE	ND	ug/L	0.2	0.2		
250	BENZO(K)FLUORANTHENE	ND	ug/L	0.2	0.2		
251	CHRYSENE	ND	ug/L	0.2	0.2		
252	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.2	0.2		
253	FLUORANTHENE	ND	ug/L	0.2	0.2		
255	!NDENO(1,2,3-CD)PYRENE	ND	ug/L	0.2	0.2		
256	PHENANTHRENE	ND	ug/L	0.2	0.2		
257	PYRENE	ND	ug/L	0.2	0.2		
	- Phthalates						
258	BENZYL BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
259	DI-N-BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
260	DIETHYL PHTHALATE	ND	ug/L	0.6	0.6		
261	DIMETHYL PHTHALATE	ND	ug/L	0.6	0.6		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
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A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 05-05830

Project: 76494

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: OBS #1
County:

Field ID: W W B W C
Lab Number: 04613162
Date Collected: 5/19/2005
Date Extracted: 508_050601
Date Analyzed: 6/2/2005
Report Date: 6/3/2005
Analyst: MW
Supervisor:

EPA Method 508.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	PCBs/Toxaphene						
36	TOXAPHENE	**ND**	ug/L	2	2	3	
173	AROCLOR 1221	**ND**	ug/L	20	20		
174	AROCLOR 1232	**ND**	ug/L	0.5	0.5		
175	AROCLOR 1242	**ND**	ug/L	0.5	0.3		
176	AROCLOR 1248	**ND**	ug/L	0.1	0.1		
177	AROCLOR 1254	**ND**	ug/L	0.1	0.1		
178	AROCLOR 1260	**ND**	ug/L	0.2	0.2		
180	AROCLOR 1016	**ND**	ug/L	0.1	0.1		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
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****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

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CARBAMATES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: OBS #1
County:
Sampled By:
Sampler Phone:

Reference Number: 05-05830

Project: 76494

Field ID: W W B W C
Lab Number: 04613162
Date Collected: 5/19/2005
Date Extracted: 531_050609
Date Analyzed: 6/9/2005
Report Date: 6/13/2005
Analyst: TW
Supervisor:

EPA Method 531.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
146	CARBOFURAN	**ND**	ug/L	1.8	1.8	40	
148	OXYMAL	**ND**	ug/L	4.0	4.0	200	
	EPA Unregulated						
141	3-HYDROXYCARBOFURAN	**ND**	ug/L	2.0	2.0		
142	ALDICARB	**ND**	ug/L	1.0	1.0		
143	ALDICARB SULFONE	**ND**	ug/L	1.6	1.6		
144	ALDICARB SULFOXIDE	**ND**	ug/L	1.0	1.0		
145	CARBARYL	**ND**	ug/L	2.0	2.0		
147	METHOMYL	**ND**	ug/L	1.0	4.0		
	State Unregulated - Other						
326	PROPOXUR (BAYGON)	**ND**	ug/L	1.0			
327	METHIOCARB	**ND**	ug/L	4			

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: SOC97

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE RECEIVED	DATE REPORTED	DATE RESULTED
12/8/2004	12/9/2004	1/24/2005

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

LAB NO.	SAMPLE ID	ANALYSIS	RESULTS	MDL	UNITS	ANALYSIS BY
74116	OBS Well #1	SOC/Synthetic Organic Co	Report		mg/L	Edge Analytical

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

01-24-05
Date

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HERBICIDES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-12075
Project: 74115/74116

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: OBS Well #1
County:

Field ID: 74116
Lab Number: 04624846
Date Collected: 12/8/2004
Date Extracted: 515_041217
Date Analyzed: 1/5/2005
Report Date: 1/7/2005
Analyst: CMH
Supervisor: JW

EPA Method 515.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
37	2,4 - D	ND	ug/L	0.2	0.2	70	
38	2,4,5 - TP (SILVEX)	ND	ug/L	0.4	0.4	50	
134	PENTACHLOROPHENOL	ND	ug/L	0.08	0.08	1	
137	DALAPON	ND	ug/L	2	2	200	
139	DINOSEB	ND	ug/L	0.4	0.4	7	
140	PICLORAM	ND	ug/L	0.2	0.2	500	
	EPA Unregulated						
138	DICAMBA	ND	ug/L	0.2	0.2		
	State Unregulated						
135	2,4 DB	ND	ug/L	1	1.0		
136	2,4,5 T	ND	ug/L	0.4	0.4		
220	BENTAZON	ND	ug/L	0.5	0.5		
221	DICHLORPROP	ND	ug/L	0.5	0.5		
223	ACTIFLORFIN	ND	ug/L	2	2.0		
225	DACTHAL (DCPA)	ND	ug/L	0.1	0.1		
226	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.5	0.5		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected = or > to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value

FORM 60C97

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-12075
Project: 74115/74116

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: OBS Well #1
County:

Field ID: 74116
Lab Number: 04624846
Date Collected: 12/8/2004
Date Extracted: 525_041220
Date Analyzed: 12/22/2004
Report Date: 1/6/2005
Analyst: CMH
Supervisor:

EPA Method 525.2 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
33	ENDRIN	ND	ug/L	0.02	0.02	2	
34	LINDANE (B HC - GAMMA)	ND	ug/L	0.04	0.04	0.2	
35	METHOXYCHLOR	ND	ug/L	0.2	0.2	40	
117	ALACHLOR	ND	ug/L	0.4	0.4	2	
119	ATRAZINE	ND	ug/L	0.2	0.2	3	
120	BENZO(A)PYRENE	ND	ug/L	0.04	0.04	0.2	
122	CHLORDANE, TECHNICAL	ND	ug/L	0.4	0.4	2	
124	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	1.3	1.3	400	
125	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	1.3	1.3	6	
126	HEPTACHLOR	ND	ug/L	0.08	0.08	0.4	
127	HEPTACHLOR EPOXIDE (A&B)	ND	ug/L	0.04	0.04	0.2	
128	HEXACHLOROBENZENE	ND	ug/L	0.2	0.2	1	
129	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.2	0.2	50	
133	SIMAZINE	ND	ug/L	0.15	0.15	4	
	EPA Unregulated						
118	ALDRIN	ND	ug/L	0.2	0.2		
121	BUTACHLOR	ND	ug/L	0.4	0.4		
123	DIELDRIN	ND	ug/L	0.2	0.2		
130	METOLACHLOR	ND	ug/L	1	1.0		
131	METRIBUZIN	ND	ug/L	0.2	0.2		
132	PROPACHLOR	ND	ug/L	0.2	0.2		
	State Unregulated - Other						
179	BROMACIL	ND	ug/L	0.2	0.2		
183	PROMETON	ND	ug/L	0.2	0.2		
190	TERBACIL	ND	ug/L	0.2	0.2		
202	DIAZINON	ND	ug/L	0.2	0.2		
208	EPTC	ND	ug/L	0.3	0.3		
232	4,4-DDD	ND	ug/L	0.2	0.2		
233	4,4-DDE	ND	ug/L	0.2	0.2		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH
**** Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 95% confidence that the compound concentration is greater than zero
J - Estimated value

EDGE ANALYTICAL

Reference Number: 04-12075
Lab Number: 04624845
Report Date: 1/5/2005

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
234	4,4-DDT	ND	ug/L	0.2	0.2		
236	CYANAZINE	ND	ug/L	0.2	0.2		
239	MALATHION	ND	ug/L	0.2	0.2		
240	PARATHION	ND	ug/L	0.2	0.2		
243	TRIFLURALIN	ND	ug/L	0.2	0.2		
	- PAHs						
96	NAPTHALENE	ND	ug/L	0.1	0.1		
154	FLUORENE	ND	ug/L	0.2	0.2		
244	ACENAPHTHYLENE	ND	ug/L	0.2	0.2		
245	ACENAPHTHENE	ND	ug/L	0.2	0.2		
246	ANTHRACENE	ND	ug/L	0.2	0.2		
247	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.1		
248	BENZO(B)FLUORANTHENE	ND	ug/L	0.2	0.2		
249	BENZO(G,H,I)PERYLENE	ND	ug/L	0.2	0.2		
250	BENZO(K)FLUORANTHENE	ND	ug/L	0.2	0.2		
251	CHRYSENE	ND	ug/L	0.2	0.2		
252	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.2	0.2		
253	FLUORANTHENE	ND	ug/L	0.2	0.2		
255	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.2	0.2		
256	PHENANTHRENE	ND	ug/L	0.2	0.2		
257	PYRENE	ND	ug/L	0.2	0.2		
	- Phthalates						
258	BENZYL BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
259	DI-N BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
260	DIETHYL PHTHALATE	ND	ug/L	0.6	0.6		
261	DIMETHYL PHTHALATE	ND	ug/L	0.6	0.6		

* An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM: BOC9/

EDGE ANALYTICAL
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Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

CARBAMATES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-12075

Project: 74115/74116

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: OBS Well #1
County:

Field ID: 74116
Lab Number: 04624846
Date Collected: 12/8/2004
Date Extracted: 531_041215
Date Analyzed: 12/15/2004
Report Date: 12/20/2004
Analyst: TW
Supervisor:

EPA Method 531.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
146	CARBOFURAN	ND	ug/L	1.8	1.8	40	
148	OXYMAL	ND	ug/L	4	4.0	200	
	EPA Unregulated						
141	3-HYDROXYCARBOFURAN	ND	ug/L	2	2.0		
142	ALDICARB	ND	ug/L	1	1.0		
143	ALDICARB SULFONE	ND	ug/L	1.6	1.6		
144	ALDICARB SULFOXIDE	ND	ug/L	1	1.0		
145	CARBARYL	ND	ug/L	2	2.0		
147	METHOMYL	ND	ug/L	1	4.0		
	State Unregulated - Other						
326	PROPOXUR (BAYGON)	ND	ug/L	1			
327	METHIOCARB	ND	ug/L	4			

* An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA. NPDWR. State Advisory Level (SAL) for Unregulated compounds
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero
J - Estimated value.

FORM: SOC67

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Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-12075

Project: 74115/74116

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: OBS Well #1
County:

Field ID: 74116
Lab Number: 04624846
Date Collected: 12/8/2004
Date Extracted: 508_041220
Date Analyzed: 1/17/2005
Report Date: 1/7/2005
Analyst: CMH
Supervisor: [signature]

EPA Method 508.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	PCBs/Toxaphene						
36	TOXAPHENE	ND	ug/L	2	2	3	
173	AROCLOR 1221	ND	ug/L	20	20		
174	AROCLOR 1232	ND	ug/L	0.5	0.5		
175	AROCLOR 1242	ND	ug/L	0.5	0.3		
176	AROCLOR 1248	ND	ug/L	0.1	0.1		
177	AROCLOR 1254	ND	ug/L	0.1	0.1		
178	AROCLOR 1260	ND	ug/L	0.2	0.2		
180	AROCLOR 1016	ND	ug/L	0.1	0.1		

* An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected + or - to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero
J - Estimated value.

FORM: SOC97

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED 12/8/2004 DATE RECEIVED SEND REPORT TO 12/9/2004 1/24/2005

SYSTEM/SOURCE/ID

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MCL	UNIT	ANALYST
74115	Intake	SOC/Synthetic Organic Co	Report		mg/L	Edge Analytical

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

01-24-05
Date

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Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

CARBAMATES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-12075

Project: 74115/74116

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Intake
County:

Field ID: 74115
Lab Number: 04624845
Date Collected: 12/8/2004
Date Extracted: 531_041215
Date Analyzed: 12/15/2004
Report Date: 12/20/2004
Analyst: TW
Supervisor:

EPA Method 531.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
146	CARBOFURAN	ND	ug/L	1.8	1.8	40	
148	OXYMAL	ND	ug/L	4	4.0	200	
	EPA Unregulated						
141	3-HYDROXYCARBOFURAN	ND	ug/L	2	2.0		
142	ALDICARB	ND	ug/L	1	1.0		
143	ALDICARB SULFONE	ND	ug/L	1.6	1.6		
144	ALDICARB SULFOXIDE	ND	ug/L	1	1.0		
145	CARBARYL	ND	ug/L	2	2.0		
147	METHOMYL	ND	ug/L	1	4.0		
	State Unregulated - Other						
326	PROPOXUR (BAYGON)	ND	ug/L	1			
327	METHIOCARB	ND	ug/L	4			

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds
A blank MCL or SAL value indicates a level is not currently established
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero
J - Estimated value.

FORM: SOCS7

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-12075

Project: 74115/74116

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Intake
County:

Field ID: 74115
Lab Number: 04624845
Date Collected: 12/8/2004
Date Extracted: 525_041220
Date Analyzed: 12/21/2004
Report Date: 1/5/2005
Analyst: CMH
Supervisor:

EPA Method 525.2 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
33	ENDRIN	ND	ug/L	0.02	0.02	2	
34	LINDANE (BHC - GAMMA)	ND	ug/L	0.04	0.04	0.2	
35	METHOXYCHLOR	ND	ug/L	0.2	0.2	40	
117	ALACHLOR	ND	ug/L	0.4	0.4	2	
119	ATRAZINE	ND	ug/L	0.2	0.2	3	
120	BENZO(A)PYRENE	ND	ug/L	0.04	0.04	0.2	
122	CHLORDANE, TECHNICAL	ND	ug/L	0.4	0.4	2	
124	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	1.3	1.3	400	
125	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	1.3	1.3	6	
126	HEPTACHLOR	ND	ug/L	0.08	0.08	0.4	
127	HEPTACHLOR EPOXIDE (A&B)	ND	ug/L	0.04	0.04	0.2	
128	HEXACHLOROBENZENE	ND	ug/L	0.2	0.2	1	
129	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.2	0.2	50	
133	SIMAZINE	ND	ug/L	0.15	0.15	4	
	EPA Unregulated						
118	ALDRIN	ND	ug/L	0.2	0.2		
121	BUTACHLOR	ND	ug/L	0.4	0.4		
123	DIELDRIN	ND	ug/L	0.2	0.2		
130	METOLACHLOR	ND	ug/L	1	1.0		
131	METRIBUZIN	ND	ug/L	0.2	0.2		
132	PROPACHLOR	ND	ug/L	0.2	0.2		
	State Unregulated - Other						
179	BROMACIL	ND	ug/L	0.2	0.2		
183	PROMETON	ND	ug/L	0.2	0.2		
190	TERBACIL	ND	ug/L	0.2	0.2		
202	DIAZINON	ND	ug/L	0.2	0.2		
208	EPTC	ND	ug/L	0.3	0.3		
232	4,4-DDD	ND	ug/L	0.2	0.2		
233	4,4-DDE	ND	ug/L	0.2	0.2		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR State Advisory Level (SAL) for Unregulated compounds
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

FORM SOC97

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HERBICIDES IN DRINKING WATER

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-12075

Project: 74115/74116

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Intake
County:

Field ID: 74115
Lab Number: 04624845
Date Collected: 12/8/2004
Date Extracted: 515_041217
Date Analyzed: 1/5/2005
Report Date: 1/7/2005
Analyst: CMH
Supervisor:

EPA Method 515.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
37	2,4 - D	ND	ug/L	0.2	0.2	70	
38	2,4,5 - TP (SILVEX)	ND	ug/L	0.4	0.4	50	
134	PENTACHLOROPHENOL	ND	ug/L	0.08	0.08	1	
137	DALAPON	ND	ug/L	2	2	200	
139	DINOSEB	ND	ug/L	0.4	0.4	7	
140	PICLORAM	ND	ug/L	0.2	0.2	500	SEE COVER NOTE
	EPA Unregulated						
138	DICAMBA	ND	ug/L	0.2	0.2		
	State Unregulated						
135	2,4 DB	ND	ug/L	1	1.0		
136	2,4,5 T	ND	ug/L	0.4	0.4		
220	BENTAZON	ND	ug/L	0.5	0.5		
221	DICHLORPROP	ND	ug/L	0.5	0.5		
223	ACTIFLORFIN	ND	ug/L	2	2.0		
225	DACTHAL (DCPA)	ND	ug/L	0.1	0.1		
226	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.5	0.5		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value

FORM: SOC97

Allen French

AllenF@EdgeAnalytical.com

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Reference Number: 04-12075

Project: 74115/74116

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Intake
County:

Field ID: 74115
Lab Number: 04624845
Date Collected: 12/8/2004
Date Extracted: 508_041220
Date Analyzed: 12/22/2004
Report Date: 1/5/2005
Analyst: CMH
Supervisor: [signature]

EPA Method 508.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	PCBs/Toxaphene						
36	TOXAPHENE	ND	ug/L	2	2	3	
173	AROCLOR 1221	ND	ug/L	20	20		
174	AROCLOR 1232	ND	ug/L	0.5	0.5		
175	AROCLOR 1242	ND	ug/L	0.6	0.3		
176	AROCLOR 1248	ND	ug/L	0.1	0.1		
177	AROCLOR 1254	ND	ug/L	0.1	0.1		
178	AROCLOR 1260	ND	ug/L	0.2	0.2		
180	AROCLOR 1016	ND	ug/L	0.1	0.1		

* An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
** Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds
A blank MCL or SAL value indicates a level is not currently established.
*** If a compound is detected > or = to the State Reporting Level, SRL specified increased monitoring frequencies may occur per DOH.
**** Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero
J - Estimated value

FORM: SOC97

EDGE ANALYTICAL

Reference Number: 04-12075
Lab Number: 04624846
Report Date: 1/6/2005

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
234	4,4-DDT	ND	ug/L	0.2	0.2		
236	CYANAZINE	ND	ug/L	0.2	0.2		
239	MALATHION	ND	ug/L	0.2	0.2		
240	PARATHION	ND	ug/L	0.2	0.2		
243	TRIFLURALIN	ND	ug/L	0.2	0.2		
	- PAHs						
96	NAPTHALENE	ND	ug/L	0.1	0.1		
154	FLUORENE	ND	ug/L	0.2	0.2		
244	ACENAPHTHYLENE	ND	ug/L	0.2	0.2		
245	ACENAPHTHENE	ND	ug/L	0.2	0.2		
246	ANTHRACENE	ND	ug/L	0.2	0.2		
247	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.1		
248	BENZO(B)FLUORANTHENE	ND	ug/L	0.2	0.2		
249	BENZO(G,H,I)PERYLENE	ND	ug/L	0.2	0.2		
250	BENZO(K)FLUORANTHENE	ND	ug/L	0.2	0.2		
251	CHRYSENE	ND	ug/L	0.2	0.2		
252	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.2	0.2		
253	FLUORANTHENE	ND	ug/L	0.2	0.2		
255	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.2	0.2		
256	PHENANTHRENE	ND	ug/L	0.2	0.2		
257	PYRENE	ND	ug/L	0.2	0.2		
	- Phthalates						
258	BENZYL BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
259	DI-N BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
260	DIETHYL PHTHALATE	ND	ug/L	0.6	0.6		
261	DIMETHYL PHTHALATE	ND	ug/L	0.6	0.6		

*: An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.

**- Maximum Contaminant Level, maximum permissable level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds. A blank MCL or SAL value indicates a level is not currently established.

***: If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.

****: Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J: Estimated value.

FORM SOC97

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 12/1/2004
DATE RECEIVED: 12/6/2004
SEND REPORT TO
DATE REPORTED: 12/6/2004

SUBMITTED BY:
W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CLIENT'S SAMPLE NO	ANALYSIS	RESULTS	MCL	UNITS	ANALYSTS
74008	Reesa Well	Fecal E-Coli	3	1	MPN/100mL	Valley Enviornmenal

<=(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND None Detected
mg/L:Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

12-07-04
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 12/1/2004
DATE RECEIVED: 12/6/2004
DATE REPORTED: 12/6/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:
Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74008	Reesa Well	Fecal E-Coli	3	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

12-07-04
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 12/1/2004
DATE RECEIVED: 12/6/2004
DATE REPORTED: 12/6/2004

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:
Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74025	McKnight	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
L: Method Detection Limit
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Dr. Eugene Kuo, Quality Assurance Coordinator

12-07-04
Date

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Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74009	Brown	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
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SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74010	Winesap	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
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SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74011	Frog	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
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SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74012	Vern's Well	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
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SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74013	LeFore	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
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SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74014	John P.	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
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SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74015	Wondra Well	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
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SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74016	OBS Well 3B	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
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SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74017	OBS Well #2	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
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SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74018	OBS Well 1A	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
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SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74019	OBS Well 1B	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
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DATE COLLECTED: 12/1/2004
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SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74020	Intake B	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
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Project Name:

SEND REPORT TO:
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Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74021	Intake A	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
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DATE COLLECTED	DATE RECEIVED	DATE REPORTED
12/1/2004	12/6/2004	12/6/2004

SYSTEM / CUSTOMER

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Project Name:

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SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74022	OBS Well 4	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
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SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74023	GW-39	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
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SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74024	Prunedale	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

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DATE COLLECTED 12/1/2004

DATE RECEIVED

DATE REPORTED 11/28/2005

SYSTEM / CUSTOMER

SEND REPORT TO: 12/20/200

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74313	OBS Well 3A	Fecal E-Coli	<1	1	MPN/100ml	Cascade Analytical

*(U.OUT): Indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L Indicates milligrams per litre
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DATE COLLECTED 1/5/2005

DATE RECEIVED 1/6/2005

DATE REPORTED 11/28/2005

SYSTEM / CUSTOMER

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Project Name:

SEND REPORT TO

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SAMPLE NO	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74644	GW 62	Fecal E-Coli	11	1	MPN/100ml	Cascade Analytical

<(0.001): indicates the analyte was not detected at or above the concentration indicated
ND: None Detected
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SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74643	OBS Well 1	Fecal E-Coli	2	1	MPN/100ml	Cascade Analytical

<(0.00) indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L Indicates milligrams per litre .
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DATE COLLECTED: 5/19/2005
DATE RECEIVED: 5/25/2005
DATE REPORTED: 5/25/2005

SYSTEM / CUSTOMER

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Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
76546	OBS #1	Fecal E-Coli	5	1	MPN/100 ml	Valley Enviornental

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05-25-05
Date

Kuo Testing Labs, Inc.
337 South 1st
Othello, Washington 99344
(509) 488-0112; Fax (509) 488-0118

Agricultural - Industrial - Environmental

INVOICE # 04-12-091
INVOICE DATE 12/10/04
CLIENT # WWB2170
PURCHASE ORDER#

Client: W.W.B.W.C.
Address: PO Box 68
MiltonFreewater, OR 97862

PN :

Project :

Grower :

Sampler : Bob Bower

RptNo	RptDate	Field Identifier	Test	Description	Qty	Price	Extension
E74008	12/06/04	Brown,Frog,GW-39,Intake A,Intake B,John P.,LeFore, McKnight,OBS Well #2,OBS Well 1A,OBS Well 1B,OBS Well 3B, OBS Well 4,Prunedale,Reesa Well,Vern's Well,Winesap, Wondra Well	FECAL	Fecal Coliform	18	67.50	1,215.00

Notes: 04-12-091

Terms: Net 30 days following date of invoice. Invoices not paid in 30 days will be subject to interest charged at 1.5% per month (18% per year) with a minimum charge of 50 cents.

Invoice Total	1215.00
Discount 0 %	-0.00
FAX Charge	0.00
Invoice Total Due	$1,215.00
Due Date	01/09/05

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Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED	DATE RECEIVED	DATE REPORTED
12/1/04	12/20/04	12/20/04

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W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74313	OBS Well 3A	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
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Dr. Eugene Kuo, Quality Assurance Coordinator

12-20-04
Date

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SAMPLE NO	SAMPLE ID	ANALYSIS	RESULTS	MDL	UNITS	ANALYSIS BY
74012	Vern's Well	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated
ND: None Detected
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SAMPLE NO	DESCRIPTION / SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
74011	Frog	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
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SAMPLE NO	SAMPLE TAG (LOCATION)	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
74010	Winesap	Fecal E-Coli	<1	1	MPN/100ml	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L-Indicates milligrams per litre
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LAB NO.	SAMPLE ID / SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74009	Brown	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L Indicates milligrams per litre
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SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSIS
74025	McKnight	Fecal E-Coli	<1	1	MPN/100ml.	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:indicates milligrams per litre
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SAMPLE NO	LOCATION / SOURCE ID	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
74013	LeFore	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
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SAMPLE NO.	LOCATION COLLECTED BY	ANALYSIS	RESULTS	MDL	UNITS	ANALYSIS BY
74014	John P.	Fecal E-Coli	<1	1	MPN/100ml	Valley Enviornment

<0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
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SAMPLE NO.	SAMPLE DESCRIPTION	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
74015	Wondra Well	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
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SAMPLE NO.	CLIENT ID / SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
74016	OBS Well 3B	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001) indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
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SAMPLE NO	CLIENT SAMPLE ID	ANALYSIS	RESULTS	MDL	UNITS	ANALYSIS
74017	OBS Well #2	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
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SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSIS
74018	OBS Well 1A	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
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LAB #	SAMPLE ID	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
74019	OBS Well 1B	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
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Attn:

SAMPLE NO.	SAMPLE ID	ANALYSIS	RESULTS	MDL	UNITS	ANALYSIS BY
74020	Intake B	Fecal E-Coli	<1	1	MPN/100ml.	Valley Enviornment

<0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
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Project Name:

Bob Bower
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Milton Freewater OR 97862
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SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
74021	Intake A	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND None Detected
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Attn:

Lab #	Client Sample ID	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
74022	OBS Well 4	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
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SAMPLE NO.	FIELD / SOURCE / SAMPLE NO.	ANALYSIS	RESULTS	MCL	UNITS	ANALYSIS BY
74023	GW-39	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
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SAMPLE NO.	LOCATION & SOURCE NO.	ANALYSIS	RESULTS	MCL	UNITS	ANALYSIS BY
74024	Prunedale	Fecal E-Coli	<1	1	MPN/100mL	Valley Enviornment

<(0.001): Indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
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DATE COLLECTED: 4/6/2005
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Project Name:

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SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSIS
75928	Intake	Fecal E-Coli	4	1	MPN/100 ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
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molly for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

April 14, 2005
Date

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SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
75932	GW-62 9	Fecal E-Coli	<1	1	MPN/100 ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
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SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
75929	OBS-1	Fecal E-Coli	1	1	MPN/100 ml	Valley Labs

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Molly Lee for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

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SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
75930	GW-40	Fecal E-Coli	<1	1	MPN/100 ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:indicates milligrams per litre
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Molly Sinclair for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

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SAMPLED BY (NAME)

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER ID (SAMPLE ID)	ANALYSIS	RESULTS	MDL	UNITS	ANALYSIS BY
75931	GW-62	Fecal E-Coli	2	1	MPN/100 ml	Valley Labs

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
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Dr. Eugene Kuo, Quality Assurance Coordinator

April 14, 2005
Date

Di(2-ethylhexyl) Phthalate Chemical Backgrounder

Only Analyte Hit in 2354

Description:

Di(2-ethylhexyl) phthalate, (C.A.S. 117-81-7) also commonly called bis(2-ethylhexyl) phthalate, is a colorless, oily liquid with a slight odor. Patented in 1933, it is primarily used as one of several plasticizers in polyvinyl chloride (PVC) resins for fabricating flexible vinyl products. These PVC resins have been used to manufacture teething rings, pacifiers, soft squeeze toys, balls, shower curtains, raincoats, adhesives, polymeric coatings, components of paper and paperboard, defoaming agents, enclosures for food containers, animal glue, surface lubricants, flexible devices for administering parenteral solutions, and other products that must stay flexible and uninjurious for their lifetime. It is also used to manufacture vinyl gloves used for medical examinations and surgery.

As a non-plasticizer, di(2-ethylhexyl) phthalate is used as a replacement for polychlorinated biphenyls (PCBs) in dielectric fluids for electric capacitors. It is also used as a solvent in erasable ink, an acaricide for use in orchards, an inert ingredient in pesticides, a component of cosmetic products, and a vacuum pump oil; it is used to detect leaks in respirators and to test air filtration systems.

Chemical properties:

Di(2-ethylhexyl) phthalate is insoluble in water, miscible with mineral oil and hexane, and soluble in most organic solvents. It is easily dissolved in body fluids such as saliva and plasma. Di(2-ethylhexyl) phthalate is a combustible liquid; it may burn, but does not readily ignite. It produces poisonous gas in a fire. When heated to decomposition, it emits acrid smoke.

Synonyms for di(2-ethylhexyl) phthalate are bis(2-ethylhexyl) phthalate, bis(2-ethylhexyl)-1,2-benzenedicarboxylate, di(2-ethylhexyl)ortho-phthalate, di-sec-octyl phthalate, 2-ethylhexyl phthalate, NCI-c52733, disec-octyl phthalate, 1,2-benzenedicarboxylic acid, bis(2-ethylhexyl) ester, DOP, DEHP, and octoil.

Identification:

- Chemical Name: Di(2-ethylhexyl) Phthalate
- Regulatory Name: DEHP, BIS (2-ethylhexyl) Phthalate, Di(2-ethylhexyl) Phthalate
- Formula: C24H38O4
- CAS: 117-81-7
- CHRIS: EHE

Health effects:

Di(2-ethylhexyl) phthalate is a substance which may reasonably be anticipated to be a carcinogen, according to the National Toxicology Program of the U.S. Department of Health and Human Services. It is classified as a carcinogen in EPA's Toxic Release Inventory (TRI). It is also a teratogen and may damage the testes. Repeated exposure to di(2-ethylhexyl)

phthalate may affect the kidneys and liver, and may cause numbness and tingling in the arms and legs. Exposure can occur through inhalation, ingestion or dermal contact; it may cause irritation to the eyes, nose and throat.

Exposure Values:

- IDLH: **Ca** [5000 mg/m3] (NIOSH, 1997)
- NIOSH REL: **Ca** TWA 5 mg/m3 ST 10 mg/m3
- OSHA PEL: TWA 5 mg/m^3

Economics:

U.S. manufacturers of Di(2-ethylhexyl) phthalate are Aristech Chemical Corporation, Hq, Neville Island, PA; Eastman Chemical Company, Kingsport, TN; and Velsicol Chemical Corporation, Chestertown, MD.

Regulation:

EPA regulates di(2-ethylhexyl) phthalate under the Clean Water Act; Comprehensive Environmental Response, Compensation, and Liability Act; Resource Conservation and Recovery Act; Superfund Amendments and Reauthorization Act; and Toxic Substances Control Act. EPA classifies the chemical as an air toxic listed on the Hazardous Air Pollutant List, a volatile organic compound, and a water priority pollutant.

The Food and Drug Administration (FDA) regulates di(2-ethylhexyl) phthalate as an indirect food additive. The Occupational Safety and Health Administration (OSHA) established a permissible exposure limit for di(2-ethylhexyl) phthalate of 5 mg/m3 as an eight-hour time-weighted average, and has set a short-term exposure limit of 10 mg/m3 for the chemical. OSHA also regulates di(2-ethylhexyl) phthalate under the Hazard Communication Standard and as a chemical hazard in laboratories.

Under Section 313 of the Emergency Planning and Community Right to Know Act of 1986, releases of more than one pound of di(2-ethylhexyl) phthalate into the air, water, and land must be reported annually and entered into the Toxic Release Inventory (TRI).

National Overview of 1998 Toxics Release Inventory

In 1998, 355 facilities released 1,314,634 pounds of di(2-ethylhexyl) phthalate. Of those releases, 207,795 pounds were air emissions; 669 pounds were surface water discharges; 0 pounds were released by underground injection; 24,184 pounds were released to land; and, 1,081,986 pounds were transferred off-site for disposal. Total emissions for 1998 represented an increase from 1997 emissions, which totaled 1,302,131 pounds; a decrease from 1996 emissions, which totaled 2,270,653 pounds; from 1995 emissions, which totaled 3,537,174 pounds; and from 1988 (baseline) emissions, which totaled 4,873,091 pounds.

In 1998, 10,522,031 pounds of di(2-ethylhexyl) phthalate waste were managed; 4,985,166 pounds were recycled on-site; 1,804,174 pounds were recycled off-site; 335,646 pounds were used for energy recovery on-site; 1,674,585 pounds were used for energy recovery off-site; 403,536 pounds were treated on-site; 252,953 pounds were treated off-site; and 1,065,971

pounds were released on-and off-site.

The 10 states in which the largest amounts of di(2-ethylhexyl) phthalate were released in 1998 were: OK (45,931 pounds); CT (26,885 pounds); GA (24,650 pounds); NC (23,082 pounds); MO (16,161 pounds); AL (13,500 pounds); TX (10,485 pounds); OH (9,618 pounds); TN (8,867 pounds); and NJ (8,385 pounds).

The 10 facilities releasing the largest amounts of di(2-ethylhexyl) phthalate in 1998 were: Zapata Ind. Inc., Muskogee, OK (45,921 pounds); Spongex Intl. Lt, Shelton, CT (26,800 pounds); Rotation Dynamics Corp., Covington, GA (14,303 pounds); Sinclair & Rush, Saint Louis, MO (13,783 pounds); 3M, Guin, AL (13,500 pounds); Wix Corp. Allen Plant, Gastonia, NC (11,977 pounds); Georgia Duck & Cordage Mill, Scottdale, GA (10,347 pounds); Baxter Healthcare Corp., Mountain Home, AR (7,100 pounds); Johnsonite, Chagrin Falls, OH (5,552 pounds); and Bayshore Vinyl Compounds Inc., Tennent, NJ (5,000 pounds).

Notations:

The NIOSH recommended exposure limits (**RELs**) are time-weighted average (**TWA**) concentrations for up to a 10-hour workday during a 40-hour workweek. A short-term exposure limit (**STEL**) is designated by "**ST**" preceding the value; unless noted otherwise, the STEL is a 15-minute TWA exposure that should not be exceeded at any time during a workday. A ceiling REL is designated by "**C**" preceding the value. Any substance that NIOSH considers to be a potential occupational carcinogen is designated by the notation "**Ca**."

The OSHA permissible exposure limits (**PEL**) are found in Tables Z-1, Z-2, and Z-3 of the OSHA General Industry Air Contaminants Standard (29 CFR 1910.1000). Unless noted otherwise, **PEL** are **TWA** concentrations that must not be exceeded during any 8-hour workshift of a 40-hour workweek. A **STEL** is designated by "**ST**" preceding the value and is measured over a 15-minute period unless noted otherwise. OSHA ceiling concentrations (designated by "**C**" preceding the value) must not be exceeded during any part of the workday; if instantaneous monitoring is not feasible, the ceiling must be assessed as a 15-minute TWA exposure. In addition, there are a number of substances from Table Z-2 (e.g., beryllium, ethylene dibromide, etc.) that have PEL ceiling values that must not be exceeded except for specified excursions. For example, a "5-minute maximum peak in any 2 hours" means that a 5-minute exposure above the ceiling value, but never above the maximum peak, is allowed in any 2 hours during an 8-hour workday.

Information Sources:

- CAMEO®, U.S. Environmental Protection Agency, National Oceanic and Atmospheric Administration, www.epa.gov/ceppo.
- Chemical Manufacturers Association, 1300 Wilson Blvd., Arlington, VA 22209: (703) 741-5000 or Chemical Referral Library, (800) 262-8200.
- National Institute of Environmental Health Sciences, Clearinghouse on Environmental Health Effects, 100 Capitola Drive, #108, Durham, NC 27713; (800) 643-4794; fax (919) 361-9408.
- TOXNET, National Library of Medicine, National Institutes of Health; www.toxnet.nlm.nih.gov
- U.S. Environmental Protection Agency, 401 M St., SW, Washington, DC 20460; Right to Know Hotline (800) 535-0202.
- U.S. Department of Labor, Occupational Health and Safety Administration, Washington, DC, www.osha.gov
- OSHA PEL: Z-1 Table: www.osha-slc.gov/OshStd_data/1910_1000_TABLE_Z-1.html
- OSHA PEL: Z-2 Table: www.osha-slc.gov/OshStd_data/1910_1000_TABLE_Z-2.html

Kuo Testing Labs, Inc.

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DATE COLLECTED: 12/8/2004
DATE RECEIVED:
SEND REPORT TO: 12/9/2004
DATE REPORTED: 12/21/2004

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE #	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
74118	OBS Well #1	COD	<8	8	mg/L	Wang
74118	OBS Well #1	TKN as Nitrogen	<0.72	0.72	mg/L	Wang
74118	OBS Well #1	Nitrate as Nitrogen	0.1	0.044	mg/L	Wang
74118	OBS Well #1	Chloride	ND	0.297	mg/L	Wang
74118	OBS Well #1	Soluble Reactive Phosphoru	0.06		mg/L	Wang
74118	OBS Well #1	Total Dissolved Solids	34	20.3	mg/L	Wang
74118	OBS Well #1	Fecal E-Coli	12	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Molly Kuo for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

Dec. 22, 2004
Date

Results 2004-5

WQ-Table 1

Baseline Chemicals

Location:	OBS Well #1					
Collection Date	**Sample #**	**Analysis**	**Results**	**Duplicates**	**MDL**	**Units**
12/8/2004	74118	COD	<8	<8	8.000	mg/L
12/8/2004	74118	TKN as Nitrogen	<0.72	<0.72	0.720	mg/L
12/8/2004	74118	Nitrate as Nitrogen	0.1	0.1	0.044	mg/L
12/8/2004	74118	Chloride	ND	ND	0.297	mg/L
12/8/2004	74118	Soluble Reactive Phosphorus	0.06	0.06	0.037	mg/L
12/8/2004	74118	Total Dissolved Solids	34	34	20.300	mg/L
Location:	Intake					
Collection Date	**Sample #**	**Analysis**	**Results**	**Duplicates**	**MDL**	**Units**
12/8/2004	74117	COD	12		8.000	mg/L
12/8/2004	74117	TKN as Nitrogen	<0.72		0.720	mg/L
12/8/2004	74117	Nitrate as Nitrogen	0.1		0.044	mg/L
12/8/2004	74117	Chloride	1		0.297	mg/L
12/8/2004	74117	Soluble Reactive Phosphorus	0.02		0.037	mg/L
12/8/2004	74117	Total Dissolved Solids	24		20.300	mg/L
Location	OBS Well #1					
Collection Date	**Sample #**	**Analysis**	**Results**	**Duplicates**	**MDL**	**Units**
5/19/2005		COD	<8		8.000	mg/L
5/19/2005		TKN as Nitrogen	<0.72		0.720	mg/L
5/19/2005		Nitrate as Nitrogen	0.11		0.044	mg/L
5/19/2005		Chloride	ND		0.297	mg/L
5/19/2005		Soluble Reactive Phosphorus	0.155		0.037	mg/L
5/19/2005		Total Dissolved Solids	48		20.300	mg/L

Sampled by: Z. Gray, WWBWC

WQ-Table 2
Fecal E. Coli Sampling Results

Date	Time	Location	Results	What	Collector
12/1/2004	11:05	GW-16	3	Fecal E-Coli (MPN/100 ML)	Z Gray
	12:25	HBDIC OBS#3 (A)	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	12:10	GW-61	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	11:25	GW-28	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	13:15	GW-17	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	12:25	HBDIC OBS #3(B)	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	11:45	GW-14	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	13:05	GW-39	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	11:40	White Ditch #1 (Frog)	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	13:05	White Ditch#3 (Prunesdale Road)	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	12:40	HBDIC OBS #1	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	12:50	HBDIC Intake (B)	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	12:50	HBDIC Intake (A)	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	12:55	HBDIC OBS #4	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	12:40	HBDIC OBS #1B	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	11:35	White Ditch #2 (Winesap Road)	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	12:35	HBDIC OBS #2	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	11:55	GW-9	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	12:05	GW-60	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
12/8/2004	14:00	HBDIC OBS #1	12	Fecal E-Coli (MPN/100 ML)	Z Gray
12/8/2004	14:15	HBDIC Intake	62	Fecal E-Coli (MPN/100 ML)	Z Gray
1/5/2005	12:05	HBDIC OBS #1	2	Fecal E-Coli (MPN/100 ML)	Z Gray
	12:20	GW-62	11	Fecal E-Coli (MPN/100 ML)	Z Gray
4/6/2005	11:25	HBDIC Intake	4	Fecal E-Coli (MPN/100 ML)	Z Gray
	11:40	HBDIC OBS #1	1	Fecal E-Coli (MPN/100 ML)	Z Gray
	12:00	GW-40	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
	12:10	GW-62	<1	Fecal E-Coli (MPN/100 ML)	Z Gray
		GW-62	2	Fecal E-Coli (MPN/100 ML)	Z Gray
5/19/2005	N/A	HBDIC OBS #1	5	Fecal E-Coli (MPN/100 ML)	Z Gray

Synthetic Organic Compound Analysis: 2004-5

Collection Date	Sample #	Reference #	Analysis	DOH#	Compounds	Results	Units	SRL	Trigger	MCL	Comments
					Carbamates in Drinking water						
12/8/2004	74116	04-12075	SOC/Synthetic Organic Co	146	Carbofuran	ND	ug/L	1.800	1.800	40.0	EPA Regulated
				148	Oxymal	ND	ug/L	4.000	4.000	200.0	EPA Regulated
				141	3-Hydroxycarbofuran	ND	ug/L	2.000	2.000		EPA Unregulated
				142	Aldicarb	ND	ug/L	1.000	1.000		EPA Unregulated
				143	Aldicarb Sulfone	ND	ug/L	1.600	1.600		EPA Unregulated
				144	Aldicarb Sulfoxide	ND	ug/L	1.000	1.000		EPA Unregulated
				145	Carbaryl	ND	ug/L	2.000	2.000		EPA Unregulated
				147	Methomyl	ND	ug/L	1.000	4.000		EPA Unregulated
				326	Propoxur(Baygon)	ND	ug/L	1.000			State Unregulated
				327	Methiocarb	ND	ug/L	4.000			State Unregulated
					Synthetic Organic Compounds						
				33	Endrin	ND	ug/L	0.020	0.020	2.0	EPA Regulated
				34	Lindane (BHC-Gamma)	ND	ug/L	0.040	0.040	0.2	EPA Regulated
				35	Methoxychlor	ND	ug/L	0.200	0.200	40.0	EPA Regulated
				117	Alachlor	ND	ug/L	0.400	0.400	2.0	EPA Regulated
				119	Atrazine	ND	ug/L	0.200	0.200	3.0	EPA Regulated
				120	Benzo(a)pyrene	ND	ug/L	0.040	0.040	0.2	EPA Regulated
				122	Chlordane Technical	ND	ug/L	0.400	0.400	2.0	EPA Regulated
				124	Di(ethylhexyl)-Adipate	ND	ug/L	1.300	1.300	400.0	EPA Regulated
				125	Di(ethylhexyl)-phthalate	ND	ug/L	1.300	1.300	6.0	EPA Regulated
				126	Heptachlor	ND	ug/L	0.080	0.080	0.4	EPA Regulated
				127	Heptachlor epoxide (A & B)	ND	ug/L	0.040	0.040	0.2	EPA Regulated
				128	Hexachlorobenzene	ND	ug/L	0.200	0.200	1.0	EPA Regulated
				129	Hexachlorocyclo-Pentadiene	ND	ug/L	0.200	0.200	50.0	EPA Regulated
				133	Simazine	ND	ug/L	0.150	0.150	4.0	EPA Regulated
				118	Aldrin	ND	ug/L	0.200	0.200		EPA Unregulated
				121	Butachlor	ND	ug/L	0.400	0.400		EPA Unregulated
				123	Dieldrin	ND	ug/L	0.200	0.200		EPA Unregulated
				130	Metolachlor	ND	ug/L	1.000	1.000		EPA Unregulated
				131	Metribuzin	ND	ug/L	0.200	0.200		EPA Unregulated
				132	Propachlor	ND	ug/L	0.200	0.200		EPA Unregulated
				179	Bromacil	ND	ug/L	0.200	0.200		State Unregulated
				183	Prometon	ND	ug/L	0.200	0.200		State Unregulated
				190	Terbacil	ND	ug/L	0.200	0.200		State Unregulated
				202	Diazinon	ND	ug/L	0.200	0.200		State Unregulated
				208	EPTC	ND	ug/L	0.300	0.300		State Unregulated
				232	4,4-DDD	ND	ug/L	0.200	0.200		State Unregulated
				233	4,4-DDE	ND	ug/L	0.200	0.200		State Unregulated
				234	4,4_DDT	ND	ug/L	0.200	0.200		State Unregulated
				236	Cyanazine	ND	ug/L	0.200	0.200		State Unregulated
				239	Malathion	ND	ug/L	0.200	0.200		State Unregulated
				240	Parathion	ND	ug/L	0.200	0.200		State Unregulated
				243	Trifluralin	ND	ug/L	0.200	0.200		State Unregulated
				96	Napthalene	ND	ug/L	0.100	0.100		PAHs
				154	Fluorene	ND	ug/L	0.200	0.200		PAHs
				244	Acenaphthylene	ND	ug/L	0.200	0.200		PAHs
				245	Acenaphthene	ND	ug/L	0.200	0.200		PAHs
				246	Anthracene	ND	ug/L	0.200	0.200		PAHs
				247	Benz(a)anthracene	ND	ug/L	0.100	0.100		PAHs
				248	Benzo(b)fluoranthene	ND	ug/L	0.200	0.200		PAHs
				249	Benzo(g,h,i)perylene	ND	ug/L	0.200	0.200		PAHs
				250	Benzo(k)fluoranthene	ND	ug/L	0.200	0.200		PAHs
				251	Chrysene	ND	ug/L	0.200	0.200		PAHs
				252	Dibenzo(A,H)anthracene	ND	ug/L	0.200	0.200		PAHs
				253	Fluoranthene	ND	ug/L	0.200	0.200		PAHs
				255	Indeno(1,2,3-CD)Pyrene	ND	ug/L	0.200	0.200		PAHs
				256	Phenanthrene	ND	ug/L	0.200	0.200		PAHs
				257	Pyrene	ND	ug/L	0.200	0.200		PAHs
				258	Benzyl Butyl Phthalate	ND	ug/L	0.600	0.600		Phthalates
				259	Di-N-Butyl Phthalate	ND	ug/L	0.600	0.600		Phthalates
				260	Diethyl Phthalate	ND	ug/L	0.600	0.600		Phthalates
				261	Dimethyl Phthalate	ND	ug/L	0.600	0.600		Phthalates
				36	Toxaphene	ND	ug/L	2.000	2.000	3.0	PCBs/Tocxaphene
				173	Aroclor 1221	ND	ug/L	20.000	20.000		PCBs/Tocxaphene
				174	Aroclor 1232	ND	ug/L	0.500	0.500		PCBs/Tocxaphene
				175	Aroclor 1242	ND	ug/L	0.500	0.300		PCBs/Tocxaphene
				176	Aroclor 1248	ND	ug/L	0.100	0.100		PCBs/Tocxaphene
				177	Aroclor 1254	ND	ug/L	0.100	0.100		PCBs/Tocxaphene
				178	Aroclor 1260	ND	ug/L	0.200	0.200		PCBs/Tocxaphene
				180	Aroclor 1016	ND	ug/L	0.100	0.100		PCBs/Tocxaphene
					Herbicides in Drinking Water						
				37	2,4-D	ND	ug/L	0.200	0.200	70.0	EPA Regulated
				38	2,4,5-TP (Silvex)	ND	ug/L	0.400	0.400	50.0	EPA Regulated
				134	Pentachlorophenol	ND	ug/L	0.080	0.080	1.0	EPA Regulated
				137	Dalapon	ND	ug/L	2.000	2.000	200.0	EPA Regulated
				139	Dinoseb	ND	ug/L	0.400	0.400	7.0	EPA Regulated
				140	Picloram	ND	ug/L	0.200	0.200	500.0	EPA Regulated
				138	Dicamba	ND	ug/L	0.200	0.200		EPA Unregulated
				135	2,4 DB	ND	ug/L	1.000	1.000		State Unregulated
				136	2,4,5 T	ND	ug/L	0.400	0.400		State Unregulated
				220	Bentazon	ND	ug/L	0.500	0.500		State Unregulated
				221	Dichloroprop	ND	ug/L	0.500	0.500		State Unregulated
				223	Actiflorfin	ND	ug/L	2.000	2.000		State Unregulated
				225	Dacthal (DCPA)	ND	ug/L	0.100	0.100		State Unregulated
				226	3,5-Dichlorobenzoic Acid	ND	ug/L	0.500	0.500		State Unregulated

Synthetic Organic Compound Analysis: 2004-5

Collection Date	Sample #	Reference #	Analysis	DOH#	Compounds	Results	Units	SRL	Trigger	MCL	Comments
					Carbamates in Drinking water						
12/8/2004	74115	04-12075	SOC/Synthetic Organic Co	146	Carbofuran	ND	ug/L	1.800	1.800	40.0	EPA Regulated
				148	Oxymal	ND	ug/L	4.000	4.000	200.0	EPA Regulated
				141	3-Hydroxycarbofuran	ND	ug/L	2.000	2.000		EPA Unregulated
				142	Aldicarb	ND	ug/L	1.000	1.000		EPA Unregulated
				143	Aldicarb Sulfone	ND	ug/L	1.600	1.600		EPA Unregulated
				144	Aldicarb Sulfoxide	ND	ug/L	1.000	1.000		EPA Unregulated
				145	Carbaryl	ND	ug/L	2.000	2.000		EPA Unregulated
				147	Methomyl	ND	ug/L	1.000	4.000		EPA Unregulated
				326	Propoxur(Baygon)	ND	ug/L	1.000			State Unregulated
				327	Methiocarb	ND	ug/L	4.000			State Unregulated
					Synthetic Organic Compounds						
				33	Endrin	ND	ug/L	0.020	0.020	2.0	EPA Regulated
				34	Lindane (BHC-Gamma)	ND	ug/L	0.040	0.040	0.2	EPA Regulated
				35	Methoxychlor	ND	ug/L	0.200	0.200	40.0	EPA Regulated
				117	Alachlor	ND	ug/L	0.400	0.400	2.0	EPA Regulated
				119	Atrazine	ND	ug/L	0.200	0.200	3.0	EPA Regulated
				120	Benzo(a)pyrene	ND	ug/L	0.040	0.040	0.2	EPA Regulated
				122	Chlordane Technical	ND	ug/L	0.400	0.400	2.0	EPA Regulated
				124	Di(ethylhexyl)-Adipate	ND	ug/L	1.300	1.300	400.0	EPA Regulated
				125	Di(ethylhexyl)-phthalate	ND	ug/L	1.300	1.300	6.0	EPA Regulated
				126	Heptachlor	ND	ug/L	0.080	0.080	0.4	EPA Regulated
				127	Heptachlor epoxide (A & B)	ND	ug/L	0.040	0.040	0.2	EPA Regulated
				128	Hexachlorobenzene	ND	ug/L	0.200	0.200	1.0	EPA Regulated
				129	Hexachlorocyclo-Pentadiene	ND	ug/L	0.200	0.200	50.0	EPA Regulated
				133	Simazine	ND	ug/L	0.150	0.150	4.0	EPA Regulated
				118	Aldrin	ND	ug/L	0.200	0.200		EPA Unregulated
				121	Butachlor	ND	ug/L	0.400	0.400		EPA Unregulated
				123	Dieldrin	ND	ug/L	0.200	0.200		EPA Unregulated
				130	Metolachlor	ND	ug/L	1.000	1.000		EPA Unregulated
				131	Metribuzin	ND	ug/L	0.200	0.200		EPA Unregulated
				132	Propachlor	ND	ug/L	0.200	0.200		EPA Unregulated
				179	Bromacil	ND	ug/L	0.200	0.200		State Unregulated
				183	Prometon	ND	ug/L	0.200	0.200		State Unregulated
				190	Terbacil	ND	ug/L	0.200	0.200		State Unregulated
				202	Diazinon	ND	ug/L	0.200	0.200		State Unregulated
				208	EPTC	ND	ug/L	0.300	0.300		State Unregulated
				232	4,4-DDD	ND	ug/L	0.200	0.200		State Unregulated
				233	4,4-DDE	ND	ug/L	0.200	0.200		State Unregulated
				234	4,4_DDT	ND	ug/L	0.200	0.200		State Unregulated
				236	Cyanazine	ND	ug/L	0.200	0.200		State Unregulated
				239	Malathion	ND	ug/L	0.200	0.200		State Unregulated
				240	Parathion	ND	ug/L	0.200	0.200		State Unregulated
				243	Trifluralin	ND	ug/L	0.200	0.200		State Unregulated
				96	Napthalene	ND	ug/L	0.100	0.100		PAHs
				154	Fluorene	ND	ug/L	0.200	0.200		PAHs
				244	Acenaphthylene	ND	ug/L	0.200	0.200		PAHs
				245	Acenaphthene	ND	ug/L	0.200	0.200		PAHs
				246	Anthracene	ND	ug/L	0.200	0.200		PAHs
				247	Benz(a)anthracene	ND	ug/L	0.100	0.100		PAHs
				248	Benzo(b)fluoranthene	ND	ug/L	0.200	0.200		PAHs
				249	Benzo(g,h,i)perylene	ND	ug/L	0.200	0.200		PAHs
				250	Benzo(k)fluoranthene	ND	ug/L	0.200	0.200		PAHs
				251	Chrysene	ND	ug/L	0.200	0.200		PAHs
				252	Dibenzo(A,H)anthracene	ND	ug/L	0.200	0.200		PAHs
				253	Fluoranthene	ND	ug/L	0.200	0.200		PAHs
				255	Indeno(1,2,3-CD)Pyrene	ND	ug/L	0.200	0.200		PAHs
				256	Phenanthrene	ND	ug/L	0.200	0.200		PAHs
				257	Pyrene	ND	ug/L	0.200	0.200		PAHs
				258	Benzyl Butyl Phthalate	ND	ug/L	0.600	0.600		Phthalates
				259	Di-N-Butyl Phthalate	ND	ug/L	0.600	0.600		Phthalates
				260	Diethyl Phthalate	ND	ug/L	0.600	0.600		Phthalates
				261	Dimethyl Phthalate	ND	ug/L	0.600	0.600		Phthalates
				36	Toxaphene	ND	ug/L	2.000	2.000	3.0	PCBs/Tocxaphene
				173	Aroclor 1221	ND	ug/L	20.000	20.000		PCBs/Tocxaphene
				174	Aroclor 1232	ND	ug/L	0.500	0.500		PCBs/Tocxaphene
				175	Aroclor 1242	ND	ug/L	0.500	0.300		PCBs/Tocxaphene
				176	Aroclor 1248	ND	ug/L	0.100	0.100		PCBs/Tocxaphene
				177	Aroclor 1254	ND	ug/L	0.100	0.100		PCBs/Tocxaphene
				178	Aroclor 1260	ND	ug/L	0.200	0.200		PCBs/Tocxaphene
				180	Aroclor 1016	ND	ug/L	0.100	0.100		PCBs/Tocxaphene
					Herbicides in Drinking Water						
				37	2,4-D	ND	ug/L	0.200	0.200	70.0	EPA Regulated
				38	2,4,5-TP (Silvex)	ND	ug/L	0.400	0.400	50.0	EPA Regulated
				134	Pentachlorophenol	ND	ug/L	0.080	0.080	1.0	EPA Regulated
				137	Dalapon	ND	ug/L	2.000	2.000	200.0	EPA Regulated
				139	Dinoseb	ND	ug/L	0.400	0.400	7.0	EPA Regulated
				140	Picloram	ND	ug/L	0.200	0.200	500.0	EPA Regulated
				138	Dicamba	ND	ug/L	0.200	0.200		EPA Unregulated
				135	2,4 DB	ND	ug/L	1.000	1.000		State Unregulated
				136	2,4,5 T	ND	ug/L	0.400	0.400		State Unregulated
				220	Bentazon	ND	ug/L	0.500	0.500		State Unregulated
				221	Dichloroprop	ND	ug/L	0.500	0.500		State Unregulated
				223	Actiflorfin	ND	ug/L	2.000	2.000		State Unregulated
				225	Dacthal (DCPA)	ND	ug/L	0.100	0.100		State Unregulated
				226	3,5-Dichlorobenzoic Acid	ND	ug/L	0.500	0.500		State Unregulated

Synthetic Organic Compound Analysis: 2004-5

Collection Date	Sample #	Reference #	Analysis	DOH#	Compounds	Results	Units	SRL	Trigger	MCL	Comments
					Carbamates in Drinking water						
5/19/2005	76494	05-05830	SOC/Synthetic Organic Co	146	Carbofuran	ND	ug/L	1.800	1.800	40.0	EPA Regulated
				148	Oxymal	ND	ug/L	4.000	4.000	200.0	EPA Regulated
				141	3-Hydroxycarbofuran	ND	ug/L	2.000	2.000		EPA Unregulated
				142	Aldicarb	ND	ug/L	1.000	1.000		EPA Unregulated
				143	Aldicarb Sulfone	ND	ug/L	1.600	1.600		EPA Unregulated
				144	Aldicarb Sulfoxide	ND	ug/L	1.000	1.000		EPA Unregulated
				145	Carbaryl	ND	ug/L	2.000	2.000		EPA Unregulated
				147	Methomyl	ND	ug/L	1.000	4.000		EPA Unregulated
				326	Propoxur(Baygon)	ND	ug/L	1.000			State Unregulated
				327	Methiocarb	ND	ug/L	4.000			State Unregulated
					Synthetic Organic Compounds						
				33	Endrin	ND	ug/L	0.020	0.020	2.0	EPA Regulated
				34	Lindane (BHC-Gamma)	ND	ug/L	0.040	0.040	0.2	EPA Regulated
				35	Methoxychlor	ND	ug/L	0.200	0.200	40.0	EPA Regulated
				117	Alachlor	ND	ug/L	0.400	0.400	2.0	EPA Regulated
				119	Atrazine	ND	ug/L	0.200	0.200	3.0	EPA Regulated
				120	Benzo(a)pyrene	ND	ug/L	0.040	0.040	0.2	EPA Regulated
				122	Chlordane Technical	ND	ug/L	0.400	0.400	2.0	EPA Regulated
				124	Di(ethylhexyl)-Adipate	ND	ug/L	1.300	1.300	400.0	EPA Regulated
				125	Di(ethylhexyl)-phthalate	ND	ug/L	1.300	1.300	6.0	EPA Regulated
				126	Heptachlor	ND	ug/L	0.080	0.080	0.4	EPA Regulated
				127	Heptachlor epoxide (A & B)	ND	ug/L	0.040	0.040	0.2	EPA Regulated
				128	Hexachlorobenzene	ND	ug/L	0.200	0.200	1.0	EPA Regulated
				129	Hexachlorocyclo-Pentadiene	ND	ug/L	0.200	0.200	50.0	EPA Regulated
				133	Simazine	ND	ug/L	0.150	0.150	4.0	EPA Regulated
				118	Aldrin	ND	ug/L	0.200	0.200		EPA Unregulated
				121	Butachlor	ND	ug/L	0.400	0.400		EPA Unregulated
				123	Dieldrin	ND	ug/L	0.200	0.200		EPA Unregulated
				130	Metolachlor	ND	ug/L	1.000	1.000		EPA Unregulated
				131	Metribuzin	ND	ug/L	0.200	0.200		EPA Unregulated
				132	Propachlor	ND	ug/L	0.200	0.200		EPA Unregulated
				179	Bromacil	ND	ug/L	0.200	0.200		State Unregulated
				183	Prometon	ND	ug/L	0.200	0.200		State Unregulated
				190	Terbacil	ND	ug/L	0.200	0.200		State Unregulated
				202	Diazinon	ND	ug/L	0.200	0.200		State Unregulated
				208	EPTC	ND	ug/L	0.300	0.300		State Unregulated
				232	4,4-DDD	ND	ug/L	0.200	0.200		State Unregulated
				233	4,4-DDE	ND	ug/L	0.200	0.200		State Unregulated
				234	4,4_DDT	ND	ug/L	0.200	0.200		State Unregulated
				236	Cyanazine	ND	ug/L	0.200	0.200		State Unregulated
				239	Malathion	ND	ug/L	0.200	0.200		State Unregulated
				240	Parathion	ND	ug/L	0.200	0.200		State Unregulated
				243	Trifluralin	ND	ug/L	0.200	0.200		State Unregulated
				96	Napthalene	ND	ug/L	0.100	0.100		PAHs
				154	Fluorene	ND	ug/L	0.200	0.200		PAHs
				244	Acenaphthylene	ND	ug/L	0.200	0.200		PAHs
				245	Acenaphthene	ND	ug/L	0.200	0.200		PAHs
				246	Anthracene	ND	ug/L	0.200	0.200		PAHs
				247	Benz(a)anthracene	ND	ug/L	0.100	0.100		PAHs
				248	Benzo(b)fluoranthene	ND	ug/L	0.200	0.200		PAHs
				249	Benzo(g,h,i)perylene	ND	ug/L	0.200	0.200		PAHs
				250	Benzo(k)fluoranthene	ND	ug/L	0.200	0.200		PAHs
				251	Chrysene	ND	ug/L	0.200	0.200		PAHs
				252	Dibenzo(A,H)anthracene	ND	ug/L	0.200	0.200		PAHs
				253	Fluoranthene	ND	ug/L	0.200	0.200		PAHs
				255	Indeno(1,2,3-CD)Pyrene	ND	ug/L	0.200	0.200		PAHs
				256	Phenanthrene	ND	ug/L	0.200	0.200		PAHs
				257	Pyrene	ND	ug/L	0.200	0.200		PAHs
				258	Benzyl Butyl Phthalate	ND	ug/L	0.600	0.600		Phthalates
				259	Di-N-Butyl Phthalate	ND	ug/L	0.600	0.600		Phthalates
				260	Diethyl Phthalate	ND	ug/L	0.600	0.600		Phthalates
				261	Dimethyl Phthalate	ND	ug/L	0.600	0.600		Phthalates
				36	Toxaphene	ND	ug/L	2.000	2.000	3.0	PCBs/Tocxaphene
				173	Aroclor 1221	ND	ug/L	20.000	20.000		PCBs/Tocxaphene
				174	Aroclor 1232	ND	ug/L	0.500	0.500		PCBs/Tocxaphene
				175	Aroclor 1242	ND	ug/L	0.500	0.300		PCBs/Tocxaphene
				176	Aroclor 1248	ND	ug/L	0.100	0.100		PCBs/Tocxaphene
				177	Aroclor 1254	ND	ug/L	0.100	0.100		PCBs/Tocxaphene
				178	Aroclor 1260	ND	ug/L	0.200	0.200		PCBs/Tocxaphene
				180	Aroclor 1016	ND	ug/L	0.100	0.100		PCBs/Tocxaphene
					Herbicides in Drinking Water						
				37	2,4-D	ND	ug/L	0.200	0.200	70.0	EPA Regulated
				38	2,4,5-TP (Silvex)	ND	ug/L	0.400	0.400	50.0	EPA Regulated
				134	Pentachlorophenol	ND	ug/L	0.080	0.080	1.0	EPA Regulated
				137	Dalapon	ND	ug/L	2.000	2.000	200.0	EPA Regulated
				139	Dinoseb	ND	ug/L	0.400	0.400	7.0	EPA Regulated
				140	Picloram	ND	ug/L	0.200	0.200	500.0	EPA Regulated
				138	Dicamba	ND	ug/L	0.200	0.200		EPA Unregulated
				135	2,4 DB	ND	ug/L	1.000	1.000		State Unregulated
				136	2,4,5 T	ND	ug/L	0.400	0.400		State Unregulated
				220	Bentazon	ND	ug/L	0.500	0.500		State Unregulated
				221	Dichloroprop	ND	ug/L	0.500	0.500		State Unregulated
				223	Actiflorfin	ND	ug/L	2.000	2.000		State Unregulated
				225	Dacthal (DCPA)	ND	ug/L	0.100	0.100		State Unregulated
				226	3,5-Dichlorobenzoic Acid	ND	ug/L	0.500	0.500		State Unregulated

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED 12/8/2004 DATE RECEIVED 12/9/2004 DATE REPORTED 12/23/2004

SYSTEM CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO
Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSIS
74117	Intake	COD	12	8	mg/L	Wang
74117	Intake	TKN as Nitrogen	<0.72	0.72	mg/L	Wang
74117	Intake	Nitrate as Nitrogen	0.1	0.044	mg/L	Wang
74117	Intake	Chloride	1.00	0.297	mg/L	Wang
74117	Intake	Soluble Reactive Phosphoru	0.02		mg/L	Wang
74117	Intake	Total Disolved Solids	24	20.3	mg/L	Wang
74117	Intake	Fecal E-Coli	62	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
* PQL-Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Molly Lee for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

Dec. 28, 2004
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 12/8/2004
DATE RECEIVED: 12/9/2004
DATE REPORTED: 12/23/2004

SYSTEM CUSTOMER:
W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO:
Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSIS
74117	Intake	COD	12	8	mg/L	Wang
74117	Intake	TKN as Nitrogen	<0.72	0.72	mg/L	Wang
74117	Intake	Nitrate as Nitrogen	0.1	0.044	mg/L	Wang
74117	Intake	Chloride	1.00	0.297	mg/L	Wang
74117	Intake	Soluble Reactive Phosphoru	0.02		mg/L	Wang
74117	Intake	Total Disolved Solids	24	20.3	mg/L	Wang
74117	Intake	Fecal E-Coli	62	1	MPN/100mL	Valley Enviornment

<(0.001): indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L:Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Molly Lee for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

Dec. 28, 2004
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 12/8/2004 | DATE RECEIVED: 12/9/2004 | SEND REPORT TO: | DATE REPORTED: 12/21/2004

SYSTEM / CUSTOMER:

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862

Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYST
74118	OBS Well #1	COD	<8	8	mg/L	Wang
74118	OBS Well #1	TKN as Nitrogen	<0.72	0.72	mg/L	Wang
74118	OBS Well #1	Nitrate as Nitrogen	0.1	0.044	mg/L	Wang
74118	OBS Well #1	Chloride	ND	0.297	mg/L	Wang
74118	OBS Well #1	Soluble Reactive Phosphoru	0.06		mg/L	Wang
74118	OBS Well #1	Total Dissolved Solids	34	20.3	mg/L	Wang
74118	OBS Well #1	Fecal E-Coli	12	1	MPN/100mL	Valley Enviornment

<(0.001): Indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Molly Kuo for Eugene
Dr. Eugene Kuo, Quality Assurance Coordinator

Dec. 22, 2004
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 5/19/2005
DATE RECEIVED: 5/20/2005
DATE REPORTED: 6/2/2005

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

SEND REPORT TO

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
76493	OBS #1	Total Dissolved Solids	48	20.3	mg/L	Wang
76493	OBS #1	Nitrate as Nitrogen	0.11	0.044	mg/L	Wang
76493	OBS #1	TKN as Nitrogen	<0.72	0.72	mg/L	Wang
76493	OBS #1	COD	<8	8	mg/L	Wang
76493	OBS #1	Chloride	ND	0.297	mg/L	Wang
76493	OBS #1	SRP-(Othro-P)	0.155	0.03	mg/L	Wang

(0.001): indicates the analyte was not detected at or above the concentration indicated.
None Detected
L:Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

06-09-05
Date

Appendices I-C

HBDIC Recharge Water Quality Testing:

Lab Results, Notes and Records

2005-2006 Recharge Season

Samples #1/2

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 1/4/2006
DATE RECEIVED: SEND REPORT TO: 1/5/2006
DATE REPORTED: 1/13/2006

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
80260	Intake	Orthophosphate as P (SRP)	0.06	0.0433	mg/L	Wang
80260	Intake	Total Dissolved Solids	50	21.1	mg/L	Wang
80260	Intake	Nitrate as Nitrogen	0.47	0.084	mg/L	Wang
80260	Intake	TKN as Nitrogen	<0.72	0.72	mg/L	Wang
80260	Intake	COD	8	8	mg/L	Wang
80260	Intake	Chloride	ND	0.297	mg/L	Wang

<(0.001): Indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

01-13-06
Date

Kuo Testing Labs, Inc.

337 South 1st Avenue, Othello, WA 99344
(509) 488-0112 Phone (509) 488-0118 Fax (800) 328-0112 Toll Free
Web Site: http://www.kuotesting.com e-mail: kuotest@atnet.net

DATE COLLECTED: 1/4/2006
DATE RECEIVED: 1/5/2006
DATE REPORTED: 1/13/2006
SEND REPORT TO:

SYSTEM / CUSTOMER

W.W.B.W.C.
PO Box 68
Milton Freewater OR 97862
Project Name:

Bob Bower
PO Box 68
Milton Freewater OR 97862
Attn:

SAMPLE NO.	CUSTOMER SAMPLE NO.	ANALYSIS	RESULTS	MDL	UNITS	ANALYSTS
80261	HBDIC OBS #1	Orthophosphate as P (SRP)	0.07	0.0433	mg/L	Wang
80261	HBDIC OBS #1	Total Dissolved Solids	72	21.1	mg/L	Wang
80261	HBDIC OBS #1	Nitrate as Nitrogen	0.64	0.084	mg/L	Wang
80261	HBDIC OBS #1	TKN as Nitrogen	<0.72	0.72	mg/L	Wang
80261	HBDIC OBS #1	COD	10	8	mg/L	Wang
80261	HBDIC OBS #1	Chloride	ND	0.297	mg/L	Wang

<(0.001): Indicates the analyte was not detected at or above the concentration indicated.
ND: None Detected
mg/L: Indicates milligrams per litre
* PQL=Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions
MDL: Method Detection Limit
Please check out our new Web Site at http://www.kuotesting.com

Dr. Eugene Kuo, Quality Assurance Coordinator

01-13-06
Date

Sample #1/2

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January 18, 2006

Bob Bower
Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

RE: 06-00222 - HBDIC Recharge Project

Dear Bob Bower,

Your project: HBDIC Recharge Project, was received on Friday January 06, 2006.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone me at 800 755-9295.

Respectfully Submitted,

L. J. Henderson, PhD
Laboratory Director

Enclosures Data Report
QC Reports
Chain of Custody

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INVOICE

Client No: WAL06

Client: WALLA WALLA BASIN WATERSHED COUNCIL
810 S MAIN STREET
MILTON-FREEWATER, OR 97862

Attn: Bob Bower

Please include this number with payment

Reference: **06-00222**
Date: January 19, 2006
Project: HBDIC Recharge Project
Date Received: January 06, 2006
Purchase Order:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
1	449.00	Intake	HBDIC Recharge Project (WWBWC)	Synthetic Organics	$590.00
2	449.01	Intake	HBDIC Recharge Project (WWBWC)	Chlorophenoxy Herbicides	
3	449.02	Intake	HBDIC Recharge Project (WWBWC)	Carbamates	
4	450.00	OBS well #1	HBDIC Recharge Project (WWBWC)	Synthetic Organics	$590.00
5	450.01	OBS well #1	HBDIC Recharge Project (WWBWC)	Chlorophenoxy Herbicides	
6	450.02	OBS well #1	HBDIC Recharge Project (WWBWC)	Carbamates	
7	450.03	OBS well #1	HBDIC Recharge Project (WWBWC)	SHIPPING CHARGE	$5.00

Grand Total: $1,185.00
Amount Paid: $0.00
Amount Due: $1,185.00

Thank You for Your Business

Please pay by February 18, 2006 to avoid a 1.5% per month finance charge.

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HERBICIDES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-00222

Project: HBDIC Recharge Project

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: HBDIC Recharge Project (WWBWC)
County:
Sampled By: Bob Bower
Sampler Phone:

Field ID: Intake
Lab Number: 04600449
Date Collected: 1/4/2006
Date Extracted: 515_060110
Date Analyzed: 1/11/2006
Report Date: 1/16/2006
Analyst: CMH
Supervisor:

EPA Method 515.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
37	2,4 - D	**ND**	ug/L	0.2	0.2	70	
38	2,4,5 - TP (SILVEX)	**ND**	ug/L	0.4	0.4	50	
134	PENTACHLOROPHENOL	**ND**	ug/L	0.08	0.08	1	
137	DALAPON	**ND**	ug/L	2	2	200	
139	DINOSEB	**ND**	ug/L	0.4	0.4	7	
140	PICLORAM	**ND**	ug/L	0.2	0.2	500	
	EPA Unregulated						
138	DICAMBA	**ND**	ug/L	0.2	0.2		
	State Unregulated						
135	2,4 DB	**ND**	ug/L	1.0	1.0		
136	2,4,5 T	**ND**	ug/L	0.4	0.4		
220	BENTAZON	**ND**	ug/L	0.5	0.5		
221	DICHLORPROP	**ND**	ug/L	0.5	0.5		
223	ACTIFLORFIN	**ND**	ug/L	2.0	2.0		
225	DACTHAL (DCPA)	**ND**	ug/L	0.1	0.1		
226	3,5 - DICHLOROBENZOIC ACID	**ND**	ug/L	0.5	0.5		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
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J - Estimated value.

FORM: SOC97

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HERBICIDES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-00222

Project: HBDIC Recharge Project

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: HBDIC Recharge Project (WWBWC)
County:
Sampled By: Bob Bower
Sampler Phone:

Field ID: OBS well #1
Lab Number: 04600450
Date Collected: 1/4/2006
Date Extracted: 515_060110
Date Analyzed: 1/11/2006
Report Date: 1/16/2006
Analyst: CMH
Supervisor:

EPA Method 515.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
37	2,4 - D	**ND**	ug/L	0.2	0.2	70	
38	2,4,5 - TP (SILVEX)	**ND**	ug/L	0.4	0.4	50	
134	PENTACHLOROPHENOL	**ND**	ug/L	0.08	0.08	1	
137	DALAPON	**ND**	ug/L	2	2	200	
139	DINOSEB	**ND**	ug/L	0.4	0.4	7	
140	PICLORAM	**ND**	ug/L	0.2	0.2	500	
	EPA Unregulated						
138	DICAMBA	**ND**	ug/L	0.2	0.2		
	State Unregulated						
135	2,4 DB	**ND**	ug/L	1.0	1.0		
136	2,4,5 T	**ND**	ug/L	0.4	0.4		
220	BENTAZON	**ND**	ug/L	0.5	0.5		
221	DICHLORPROP	**ND**	ug/L	0.5	0.5		
223	ACTIFLORFIN	**ND**	ug/L	2.0	2.0		
225	DACTHAL (DCPA)	**ND**	ug/L	0.1	0.1		
226	3,5 - DICHLOROBENZOIC ACID	**ND**	ug/L	0.5	0.5		

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FORM: SOC97

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-00222

Project: HBDIC Recharge Project

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: HBDIC Recharge Project (WWBWC)
County:
Sampled By: Bob Bower
Sampler Phone:

Field ID: Intake
Lab Number: 04600449
Date Collected: 1/4/2006
Date Extracted: 525_060110
Date Analyzed: 1/11/2006
Report Date: 1/13/2006
Analyst: MM
Supervisor:

EPA Method 525.2 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
	HEPTACHLOR EPOXIDE "B"	ND	ug/L	0.02		0.2	
33	ENDRIN	ND	ug/L	0.02	0.02	2	
34	LINDANE (BHC - GAMMA)	ND	ug/L	0.04	0.04	0.2	
35	METHOXYCHLOR	ND	ug/L	0.2	0.2	40	
117	ALACHLOR	ND	ug/L	0.4	0.4	2	
119	ATRAZINE	ND	ug/L	0.2	0.2	3	
120	BENZO(A)PYRENE	ND	ug/L	0.04	0.04	0.2	
122	CHLORDANE, TECHNICAL	ND	ug/L	0.4	0.4	2	
124	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	1.3	1.3	400	
125	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	1.3	1.3	6	
126	HEPTACHLOR	ND	ug/L	0.08	0.08	0.4	
128	HEXACHLOROBENZENE	ND	ug/L	0.2	0.2	1	
129	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.2	0.2	50	
133	SIMAZINE	ND	ug/L	0.15	0.15	4	
	EPA Unregulated						
118	ALDRIN	ND	ug/L	0.2	0.2		
121	BUTACHLOR	ND	ug/L	0.4	0.4		
123	DIELDRIN	ND	ug/L	0.2	0.2		
130	METOLACHLOR	ND	ug/L	1.0	1.0		
131	METRIBUZIN	ND	ug/L	0.2	0.2		
132	PROPACHLOR	ND	ug/L	0.2	0.2		
	State Unregulated - Other						
179	BROMACIL	ND	ug/L	0.2	0.2		
183	PROMETON	ND	ug/L	0.2	0.2		Qualitative Analysis Only
190	TERBACIL	ND	ug/L	0.2	0.2		
202	DIAZINON	ND	ug/L	0.2	0.2		Unstable in Acidified Sample Matrix
208	EPTC	ND	ug/L	0.3	0.3		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
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J - Estimated value.

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Reference Number: 06-00222
Lab Number: 04600449
Report Date: 1/13/2006

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
232	4,4-DDD	ND	ug/L	0.2	0.2		
233	4,4-DDE	ND	ug/L	0.2	0.2		
234	4,4-DDT	ND	ug/L	0.2	0.2		
236	CYANAZINE	ND	ug/L	0.2	0.2		Qualitative Analysis Only
239	MALATHION	ND	ug/L	0.2	0.2		
240	PARATHION	ND	ug/L	0.2	0.2		
243	TRIFLURALIN	ND	ug/L	0.2	0.2		
	- PAHs						
96	NAPTHALENE	ND	ug/L	0.1	0.1		
154	FLUORENE	ND	ug/L	0.2	0.2		
244	ACENAPHTHYLENE	ND	ug/L	0.2	0.2		
245	ACENAPHTHENE	ND	ug/L	0.2	0.2		
246	ANTHRACENE	ND	ug/L	0.2	0.2		
247	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.1		
248	BENZO(B)FLUORANTHENE	ND	ug/L	0.2	0.2		
249	BENZO(G,H,I)PERYLENE	ND	ug/L	0.2	0.2		
250	BENZO(K)FLUORANTHENE	ND	ug/L	0.2	0.2		
251	CHRYSENE	ND	ug/L	0.2	0.2		
252	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.2	0.2		
253	FLUORANTHENE	ND	ug/L	0.2	0.2		
255	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.2	0.2		
256	PHENANTHRENE	ND	ug/L	0.2	0.2		
257	PYRENE	ND	ug/L	0.2	0.2		
	- Phthalates						
258	BENZYL BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
259	DI-N-BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
260	DIETHYL PHTHALATE	ND	ug/L	0.6	0.6		
261	DIMETHYL PHTHALATE	ND	ug/L	0.6	0.6		

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-00222

Project: HBDIC Recharge Project

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: HBDIC Recharge Project (WWBWC)
County:
Sampled By: Bob Bower
Sampler Phone:

Field ID: OBS well #1
Lab Number: 04600450
Date Collected: 1/4/2006
Date Extracted: 525_060110
Date Analyzed: 1/11/2006
Report Date: 1/13/2006
Analyst: MM
Supervisor:

EPA Method 525.2 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
	HEPTACHLOR EPOXIDE "B"	ND	ug/L	0.02		0.2	
33	ENDRIN	ND	ug/L	0.02	0.02	2	
34	LINDANE (BHC - GAMMA)	ND	ug/L	0.04	0.04	0.2	
35	METHOXYCHLOR	ND	ug/L	0.2	0.2	40	
117	ALACHLOR	ND	ug/L	0.4	0.4	2	
119	ATRAZINE	ND	ug/L	0.2	0.2	3	
120	BENZO(A)PYRENE	ND	ug/L	0.04	0.04	0.2	
122	CHLORDANE, TECHNICAL	ND	ug/L	0.4	0.4	2	
124	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	1.3	1.3	400	
125	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	1.3	1.3	6	
126	HEPTACHLOR	ND	ug/L	0.08	0.08	0.4	
128	HEXACHLOROBENZENE	ND	ug/L	0.2	0.2	1	
129	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.2	0.2	50	
133	SIMAZINE	ND	ug/L	0.15	0.15	4	
	EPA Unregulated						
118	ALDRIN	ND	ug/L	0.2	0.2		
121	BUTACHLOR	ND	ug/L	0.4	0.4		
123	DIELDRIN	ND	ug/L	0.2	0.2		
130	METOLACHLOR	ND	ug/L	1.0	1.0		
131	METRIBUZIN	ND	ug/L	0.2	0.2		
132	PROPACHLOR	ND	ug/L	0.2	0.2		
	State Unregulated - Other						
179	BROMACIL	ND	ug/L	0.2	0.2		
183	PROMETON	ND	ug/L	0.2	0.2		Qualitative Analysis Only
190	TERBACIL	ND	ug/L	0.2	0.2		
202	DIAZINON	ND	ug/L	0.2	0.2		Unstable in Acidified Sample Matrix
208	EPTC	ND	ug/L	0.3	0.3		

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J - Estimated value.

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Reference Number: 06-00222
Lab Number: 04600450
Report Date: 1/13/2006

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
232	4,4-DDD	ND	ug/L	0.2	0.2		
233	4,4-DDE	ND	ug/L	0.2	0.2		
234	4,4-DDT	ND	ug/L	0.2	0.2		
236	CYANAZINE	ND	ug/L	0.2	0.2		Qualitative Analysis Only
239	MALATHION	ND	ug/L	0.2	0.2		
240	PARATHION	ND	ug/L	0.2	0.2		
243	TRIFLURALIN	ND	ug/L	0.2	0.2		
	- PAHs						
96	NAPTHALENE	ND	ug/L	0.1	0.1		
154	FLUORENE	ND	ug/L	0.2	0.2		
244	ACENAPHTHYLENE	ND	ug/L	0.2	0.2		
245	ACENAPHTHENE	ND	ug/L	0.2	0.2		
246	ANTHRACENE	ND	ug/L	0.2	0.2		
247	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.1		
248	BENZO(B)FLUORANTHENE	ND	ug/L	0.2	0.2		
249	BENZO(G,H,I)PERYLENE	ND	ug/L	0.2	0.2		
250	BENZO(K)FLUORANTHENE	ND	ug/L	0.2	0.2		
251	CHRYSENE	ND	ug/L	0.2	0.2		
252	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.2	0.2		
253	FLUORANTHENE	ND	ug/L	0.2	0.2		
255	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.2	0.2		
256	PHENANTHRENE	ND	ug/L	0.2	0.2		
257	PYRENE	ND	ug/L	0.2	0.2		
	- Phthalates						
258	BENZYL BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
259	DI-N-BUTYL PHTHALATE	ND	ug/L	0.6	0.6		
260	DIETHYL PHTHALATE	ND	ug/L	0.6	0.6		
261	DIMETHYL PHTHALATE	ND	ug/L	0.6	0.6		

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FORM: SOC97

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-00222

Project: HBDIC Recharge Project

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: HBDIC Recharge Project (WWBWC)
County:
Sampled By: Bob Bower
Sampler Phone:

Field ID: Intake
Lab Number: 04600449
Date Collected: 1/4/2006
Date Extracted: 508_060110
Date Analyzed: 1/10/2006
Report Date: 1/11/2006
Analyst: MM
Supervisor:

EPA Method 508.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	PCBs/Toxaphene						
36	TOXAPHENE	**ND**	ug/L	2	2	3	
173	AROCLOR 1221	**ND**	ug/L	20	20		
174	AROCLOR 1232	**ND**	ug/L	0.5	0.5		
175	AROCLOR 1242	**ND**	ug/L	0.5	0.3		
176	AROCLOR 1248	**ND**	ug/L	0.1	0.1		
177	AROCLOR 1254	**ND**	ug/L	0.1	0.1		
178	AROCLOR 1260	**ND**	ug/L	0.2	0.2		
180	AROCLOR 1016	**ND**	ug/L	0.1	0.1		

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-00222

Project: HBDIC Recharge Project

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: HBDIC Recharge Project (WWBWC)
County:
Sampled By: Bob Bower
Sampler Phone:

Field ID: OBS well #1
Lab Number: 04600450
Date Collected: 1/4/2006
Date Extracted: 508_060110
Date Analyzed: 1/10/2006
Report Date: 1/11/2006
Analyst: MM
Supervisor:

EPA Method 508.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	PCBs/Toxaphene						
36	TOXAPHENE	**ND**	ug/L	2	2	3	
173	AROCLOR 1221	**ND**	ug/L	20	20		
174	AROCLOR 1232	**ND**	ug/L	0.5	0.5		
175	AROCLOR 1242	**ND**	ug/L	0.5	0.3		
176	AROCLOR 1248	**ND**	ug/L	0.1	0.1		
177	AROCLOR 1254	**ND**	ug/L	0.1	0.1		
178	AROCLOR 1260	**ND**	ug/L	0.2	0.2		
180	AROCLOR 1016	**ND**	ug/L	0.1	0.1		

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Burlington, WA 98233
(800) 755-9295
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CARBAMATES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-00222

Project: HBDIC Recharge Project

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: HBDIC Recharge Project (WWBWC)
County:
Sampled By: Bob Bower
Sampler Phone:

Field ID: Intake
Lab Number: 04600449
Date Collected: 1/4/2006
Date Extracted: 531_060111
Date Analyzed: 1/11/2006
Report Date: 1/18/2006
Analyst: TW
Supervisor:

EPA Method 531.2 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
146	CARBOFURAN	**ND**	ug/L	1.8	1.8	40	
148	OXYMAL	**ND**	ug/L	4.0	4.0	200	
	EPA Unregulated						
141	3-HYDROXYCARBOFURAN	**ND**	ug/L	2.0	2.0		
142	ALDICARB	**ND**	ug/L	1.0	1.0		
143	ALDICARB SULFONE	**ND**	ug/L	1.6	1.6		
144	ALDICARB SULFOXIDE	**ND**	ug/L	1.0	1.0		
145	CARBARYL	**ND**	ug/L	2.0	2.0		
147	METHOMYL	**ND**	ug/L	1.0	1.0		
	State Unregulated - Other						
326	PROPOXUR (BAYGON)	**ND**	ug/L	1.0			
327	METHIOCARB	**ND**	ug/L	4.0			

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

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CARBAMATES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: HBDIC Recharge Project (WWBWC)
County:
Sampled By: Bob Bower
Sampler Phone:

Reference Number: 06-00222
Project: HBDIC Recharge Project
Field ID: OBS well #1
Lab Number: 04600450
Date Collected: 1/4/2006
Date Extracted: 531_060111
Date Analyzed: 1/11/2006
Report Date: 1/18/2006
Analyst: TW
Supervisor:

EPA Method 531.2 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
146	CARBOFURAN	**ND**	ug/L	1.8	1.8	40	
148	OXYMAL	**ND**	ug/L	4.0	4.0	200	
	EPA Unregulated						
141	3-HYDROXYCARBOFURAN	**ND**	ug/L	2.0	2.0		
142	ALDICARB	**ND**	ug/L	1.0	1.0		
143	ALDICARB SULFONE	**ND**	ug/L	1.6	1.6		
144	ALDICARB SULFOXIDE	**ND**	ug/L	1.0	1.0		
145	CARBARYL	**ND**	ug/L	2.0	2.0		
147	METHOMYL	**ND**	ug/L	1.0	1.0		
	State Unregulated - Other						
326	PROPOXUR (BAYGON)	**ND**	ug/L	1.0			
327	METHIOCARB	**ND**	ug/L	4.0			

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
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J - Estimated value.

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 06-00222
Report Date: 01/18/06

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
508_060110						
449	TETRACHLORO-M-XYLENE (SURR)	99		%	508.1	Acceptance Range is 42% to 137%
525_060110						
449	1,3-DIMETHYL-2-NITROBENZENE (Surr)	83		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	92		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	98		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	93		%		Acceptance Range is 70% to 130%
515_060110						
449	2,4 - DCAA (SURR)	119		%	515.1	Acceptance Range is 60% to 140%
508_060110						
450	TETRACHLORO-M-XYLENE (SURR)	90		%	508.1	Acceptance Range is 42% to 137%
525_060110						
450	1,3-DIMETHYL-2-NITROBENZENE (Surr)	86		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	93		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	99		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	92		%		Acceptance Range is 70% to 130%
515_060110						
450	2,4 - DCAA (SURR)	102		%	515.1	Acceptance Range is 60% to 140%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

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QUALITY CONTROL REPORT
BLANK REPORT

Reference Number: 06-00222
Report Date: 01/18/06

Batch	Analyte	Result	Units	Limit	QC Qualifier	Method	Type*	Comments
508_060110	AROCLOR 1221	ND	ug/L	0.12		508.1	MB	
	AROCLOR 1232	ND	ug/L	0.02		508.1	MB	
	AROCLOR 1242	ND	ug/L	0.02		508.1	MB	
	AROCLOR 1248	ND	ug/L	0.02		508.1	MB	
	AROCLOR 1254	ND	ug/L	0.02		508.1	MB	
	AROCLOR 1260	ND	ug/L	0.02		508.1	MB	
	AROCLOR 1016	ND	ug/L	0.02		508.1	MB	
	TETRACHLORO-M-XYLENE (SURR)	103	%	0.00		508.1	MB	
515_060110	2,4 - D	ND	ug/L	0.05		515.1	MB	
	2,4,5 - TP (SILVEX)	ND	ug/L	0.10		515.1	MB	
	PENTACHLOROPHENOL	ND	ug/L	0.02		515.1	MB	
	DALAPON	ND	ug/L	0.50		515.1	MB	
	DINOSEB	ND	ug/L	0.10		515.1	MB	
	PICLORAM	ND	ug/L	0.05		515.1	MB	
	DICAMBA	ND	ug/L	0.05		515.1	MB	
	2,4 DB	ND	ug/L	0.25		515.1	MB	
	2,4,5 T	ND	ug/L	0.10		515.1	MB	
	BENTAZON	ND	ug/L	0.12		515.1	MB	
	DICHLORPROP	ND	ug/L	0.12		515.1	MB	
	ACTIFLORFIN	ND	ug/L	0.50		515.1	MB	
	DACTHAL (DCPA)	ND	ug/L	0.02		515.1	MB	
	2,4 - DCAA (SURR)	94	%			515.1	MB	
525_060110	HEPTACHLOR EPOXIDE "B"	ND	ug/L	0.02		525.2	MB	
	ENDRIN	ND	ug/L	0.02		525.2	MB	
	LINDANE (BHC - GAMMA)	ND	ug/L	0.02		525.2	MB	
	METHOXYCHLOR	ND	ug/L	0.02		525.2	MB	
	ALACHLOR	ND	ug/L	0.02		525.2	MB	
	ATRAZINE	ND	ug/L	0.02		525.2	MB	
	BENZO(A)PYRENE	ND	ug/L	0.02		525.2	MB	
	CHLORDANE, TECHNICAL	ND	ug/L	0.02		525.2	MB	
	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.02		525.2	MB	
	DI(ETHYLHEXYL)-PHTHALATE	0.12	ug/L	0.60		525.2	MB	
	HEPTACHLOR	ND	ug/L	0.02		525.2	MB	
	HEXACHLOROBENZENE	ND	ug/L	0.02		525.2	MB	
	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.02		525.2	MB	
	SIMAZINE	ND	ug/L	0.02		525.2	MB	
	ALDRIN	ND	ug/L	0.05		525.2	MB	

*Notation:

LRB: Laboratory Reagent Blanks are used to determine the background level of the analytes in a laboratory batch. Therefore, this report may include analytes not requested for your submitted samples.

MB: Method Blanks are used to determine background levels of analytes in digested and extracted laboratory reagent water.

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QUALITY CONTROL REPORT
BLANK REPORT

Reference Number: 06-00222
Report Date: 01/18/06

Batch	Analyte	Result	Units	Limit	QC Qualifier	Method	Type*	Comments
525_060110	BUTACHLOR	ND	ug/L	0.10		525.2	MB	
	DIELDRIN	ND	ug/L	0.05		525.2	MB	
	METOLACHLOR	ND	ug/L	0.25		525.2	MB	
	METRIBUZIN	ND	ug/L	0.05		525.2	MB	
	PROPACHLOR	ND	ug/L	0.05		525.2	MB	
	BROMACIL	ND	ug/L	0.05		525.2	MB	
	PROMETON	ND	ug/L	0.05		525.2	MB	
	TERBACIL	ND	ug/L	0.05		525.2	MB	
	DIAZINON	ND	ug/L	0.05		525.2	MB	
	EPTC	ND	ug/L	0.07		525.2	MB	
	4,4-DDD	ND	ug/L	0.05		525.2	MB	
	4,4-DDE	ND	ug/L	0.05		525.2	MB	
	4,4-DDT	ND	ug/L	0.05		525.2	MB	
	CYANAZINE	ND	ug/L	0.05		525.2	MB	
	MALATHION	ND	ug/L	0.05		525.2	MB	
	PARATHION	ND	ug/L	0.05		525.2	MB	
	TRIFLURALIN	ND	ug/L	0.05		525.2	MB	
	NAPTHALENE	ND	ug/L	0.02		525.2	MB	
	FLUORENE	ND	ug/L	0.05		525.2	MB	
	ACENAPHTHENE	ND	ug/L	0.05		525.2	MB	
	ANTHRACENE	ND	ug/L	0.05		525.2	MB	
	BENZ(A)ANTHRACENE	ND	ug/L	0.02		525.2	MB	
	BENZO(B)FLUORANTHENE	ND	ug/L	0.05		525.2	MB	
	BENZO(G,H,I)PERYLENE	ND	ug/L	0.05		525.2	MB	
	BENZO(K)FLUORANTHENE	ND	ug/L	0.05		525.2	MB	
	CHRYSENE	ND	ug/L	0.05		525.2	MB	
	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.05		525.2	MB	
	FLUORANTHENE	ND	ug/L	0.05		525.2	MB	
	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.05		525.2	MB	
	PHENANTHRENE	ND	ug/L	0.05		525.2	MB	
	PYRENE	ND	ug/L	0.05		525.2	MB	
	BENZYL BUTYL PHTHALATE	ND	ug/L	0.60		525.2	MB	
	DI-N-BUTYL PHTHALATE	0.17	ug/L	0.60		525.2	MB	
	DIETHYL PHTHALATE	ND	ug/L	0.60		525.2	MB	
	DIMETHYL PHTHALATE	ND	ug/L	0.60		525.2	MB	
	1,3-DIMETHYL-2-NITROBENZENE (Sur	84	%			525.2	MB	
	PERYLENE-D12 (Surr)	97	%			525.2	MB	
	PYRENE-D10 (Surr)	93	%			525.2	MB	
	TRIPHENYLPHOSPHATE (Surr)	99	%			525.2	MB	

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QUALITY CONTROL REPORT
BLANK REPORT

Reference Number: 06-00222
Report Date: 01/18/06

Batch	Analyte	Result	Units	Limit	QC Qualifier	Method	Type*	Comments
531_060111	OXYMAL	ND	ug/L	1.00		531.2	MB	
	CARBOFURAN	ND	ug/L	0.45		531.2	MB	
	ALDICARB SULFOXIDE	ND	ug/L	0.25		531.2	MB	
	ALDICARB SULFONE	ND	ug/L	0.40		531.2	MB	
	METHOMYL	ND	ug/L	0.25		531.2	MB	
	3-HYDROXYCARBOFURAN	ND	ug/L	0.50		531.2	MB	
	ALDICARB	ND	ug/L	0.25		531.2	MB	
	CARBARYL	ND	ug/L	0.50		531.2	MB	
	PROPOXUR (BAYGON)	ND	ug/L	0.25		531.2	MB	
	METHIOCARB	ND	ug/L	1.00		531.2	MB	

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MB: Method Blanks are used to determine background levels of analytes in digested and extracted laboratory reagent water.

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QUALITY CONTROL REPORT
QCS/LFB REPORT

Reference Number: 06-00222
Report Date: 01/18/06

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
508_060110	TETRACHLORO-M-XYLENE (SURR)	101		%	508.1		70-130		LFB	
515_060110	2,4 - D	2.13	2	ug/L	515.1	107	70-130		LFB	
	2,4,5 - TP (SILVEX)	1	1	ug/L	515.1	100	70-130		LFB	
	PENTACHLOROPHENOL	1.02	1	ug/L	515.1	102	70-130		LFB	
	DALAPON	10.4	13	ug/L	515.1	80	70-130		LFB	
	DINOSEB	1.18	2	ug/L	515.1	59	70-130		LFB	
	PICLORAM	0.96	1	ug/L	515.1	96	70-130		LFB	
	DICAMBA	1.07	1	ug/L	515.1	107	70-130		LFB	
	2,4 DB	7.74	8	ug/L	515.1	97	70-130		LFB	
	2,4,5 T	0.98	1	ug/L	515.1	98	70-130		LFB	
	BENTAZON	2.1	2	ug/L	515.1	105	70-130		LFB	
	DICHLORPROP	3.05	3	ug/L	515.1	102	70-130		LFB	
	ACTIFLORFIN	0.72	1	ug/L	515.1	72	70-130		LFB	
	DACTHAL (DCPA)	1.06	1	ug/L	515.1	106	70-130		LFB	
	2,4 - DCAA (SURR)	97		%	515.1	NA	78-130		LFB	
525_060110	HEPTACHLOR EPOXIDE "B"	0.76	1	ug/L	525.2	76	70-130		LFB	
	ENDRIN	0.91	1	ug/L	525.2	91	70-130		LFB	
	LINDANE (BHC - GAMMA)	0.89	1	ug/L	525.2	89	70-130		LFB	
	METHOXYCHLOR	1.03	1	ug/L	525.2	103	70-130		LFB	
	ALACHLOR	1.79	2	ug/L	525.2	90	70-130		LFB	
	ATRAZINE	1.9	2	ug/L	525.2	95	70-130		LFB	
	BENZO(A)PYRENE	0.88	1	ug/L	525.2	88	70-130		LFB	
	CHLORDANE, TECHNICAL	0.78	1	ug/L	525.2	78	70-130		LFB	
	DI(ETHYLHEXYL)-ADIPATE	0.8	1	ug/L	525.2	80	70-130		LFB	
	DI(ETHYLHEXYL)-PHTHALATE	0.92	1	ug/L	525.2	92	70-130		LFB	
	HEPTACHLOR	0.88	1	ug/L	525.2	88	70-130		LFB	
	HEXACHLOROBENZENE	0.8	1	ug/L	525.2	80	70-130		LFB	
	HEXACHLOROCYCLO-PENTADIENE	0.93	1	ug/L	525.2	93	70-130		LFB	
	SIMAZINE	0.85	1	ug/L	525.2	85	70-130		LFB	
	ALDRIN	0.7	1	ug/L	525.2	70	70-130		LFB	
	BUTACHLOR	0.86	1	ug/L	525.2	86	70-130		LFB	
	DIELDRIN	0.81	1	ug/L	525.2	81	70-130		LFB	
	METOLACHLOR	0.95	1	ug/L	525.2	95	70-130		LFB	
	METRIBUZIN	0.61	1	ug/L	525.2	61	70-130	LR	LFB	

*Notation:

Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

FORM: cLFB

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QUALITY CONTROL REPORT
QCS/LFB REPORT

Reference Number: 06-00222
Report Date: 01/18/06

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
525_060110	PROPACHLOR	0.95	1	ug/L	525.2	95	70-130		LFB	
	BROMACIL	0.88	1	ug/L	525.2	88	70-130		LFB	
	PROMETON	0.43	1	ug/L	525.2	43	70-130	QA	LFB	
	TERBACIL	0.96	1	ug/L	525.2	96	70-130		LFB	
	DIAZINON	0.81	1	ug/L	525.2	81	70-130		LFB	
	EPTC	0.86	1	ug/L	525.2	86	70-130		LFB	
	4,4-DDD	0.74	1	ug/L	525.2	74	70-130		LFB	
	4,4-DDE	0.8	1	ug/L	525.2	80	70-130		LFB	
	4,4-DDT	0.85	1	ug/L	525.2	85	70-130		LFB	
	CYANAZINE	0.85	1	ug/L	525.2	85	70-130		LFB	
	MALATHION	0.7	1	ug/L	525.2	70	70-130		LFB	
	TRIFLURALIN	0.98	1	ug/L	525.2	98	70-130		LFB	
	FLUORENE	0.87	1	ug/L	525.2	87	70-130		LFB	
	ACENAPHTHYLENE	0.54	1	ug/L	525.2	54	70-130	LR	LFB	
	ANTHRACENE	0.75	1	ug/L	525.2	75	70-130		LFB	
	BENZ(A)ANTHRACENE	0.88	1	ug/L	525.2	88	70-130		LFB	
	BENZO(B)FLUORANTHENE	1.05	1	ug/L	525.2	105	70-130		LFB	
	BENZO(G,H,I)PERYLENE	1.22	1	ug/L	525.2	122	70-130		LFB	
	BENZO(K)FLUORANTHENE	0.88	1	ug/L	525.2	88	70-130		LFB	
	CHRYSENE	0.92	1	ug/L	525.2	92	70-130		LFB	
	DIBENZO(A,H)ANTHRACENE	1.07	1	ug/L	525.2	107	70-130		LFB	
	FLUORANTHENE	0.96	1	ug/L	525.2	96	70-130		LFB	
	INDENO(1,2,3-CD)PYRENE	1.09	1	ug/L	525.2	109	70-130		LFB	
	PHENANTHRENE	0.89	1	ug/L	525.2	89	70-130		LFB	
	BENZYL BUTYL PHTHALATE	0.94	1	ug/L	525.2	94	70-130		LFB	
	DI-N-BUTYL PHTHALATE	1	1	ug/L	525.2	100	70-130		LFB	
	DIETHYL PHTHALATE	1.19	1	ug/L	525.2	119	70-130		LFB	
	DIMETHYL PHTHALATE	0.81	1	ug/L	525.2	81	70-130		LFB	
	1,3-DIMETHYL-2-NITROBENZENE (Surr)	88		%	525.2	NA	70-130		LFB	
	PERYLENE-D12 (Surr)	105		%	525.2	NA	70-130		LFB	
	PYRENE-D10 (Surr)	98		%	525.2	NA	70-130		LFB	
	TRIPHENYLPHOSPHATE (Surr)	97		%	525.2	NA	70-130		LFB	
531_060111	OXYMAL	19.1	20	ug/L	531.2	96	70-130		LFB	
	CARBOFURAN	18.8	20	ug/L	531.2	94	70-130		LFB	
	ALDICARB SULFOXIDE	18.6	20	ug/L	531.2	93	70-130		LFB	

*Notation:

Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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FORM: cLFB

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QUALITY CONTROL REPORT
QCS/LFB REPORT

Reference Number: 06-00222
Report Date: 01/18/06

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
531_060111	ALDICARB SULFONE	18.2	20	ug/L	531.2	91	70-130		LFB	
	METHOMYL	18.3	20	ug/L	531.2	92	70-130		LFB	
	3-HYDROXYCARBOFURAN	18.2	20	ug/L	531.2	91	70-130		LFB	
	ALDICARB	17.7	20	ug/L	531.2	89	70-130		LFB	
	CARBARYL	18.8	20	ug/L	531.2	94	70-130		LFB	
	PROPOXUR (BAYGON)	18.7	20	ug/L	531.2	94	70-130		LFB	
	METHIOCARB	18.1	20	ug/L	531.2	91	70-130		LFB	

*Notation:

Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

FORM: cLFB

11525 Knudson Rd
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

QUALITY CONTROL REPORT

Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Reference Number: 06-00222
Report Date: 1/18/2006

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
515_060110									
	449	2,4 - DCAA (SURR)	119	109	%	**8.8**	0-45	DUP	
525_060110									
	265	FLUORENE	0.1	0.08	ug/L	**22.2**	0-45	DUP	
	265	PHENANTHRENE	0.26	0.18	ug/L	**36.4**	0-45	DUP	
	265	1,3-DIMETHYL-2-NITROBENZENE (Surr	89	86	%	**3.4**	0-45	DUP	
	265	PYRENE-D10 (Surr)	91	94	%	**3.2**	0-45	DUP	
	265	PERYLENE-D12 (Surr)	96	100	%	**4.1**	0-45	DUP	
	265	TRIPHENYLPHOSPHATE (Surr)	84	90	%	**6.9**	0-45	DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Comments
515_060110														
	450	2,4 - D	ND	2		2	ug/L	**100**	**NA**	65-135	**NA**	0-60	LFM	
	450	2,4,5 - TP (SILVEX)	ND	0.99		1	ug/L	**99**	**NA**	65-135	**NA**	0-60	LFM	
	450	PENTACHLOROPHENOL	ND	1.01		1	ug/L	**101**	**NA**	65-135	**NA**	0-60	LFM	
	450	DALAPON	ND	12		13	ug/L	**92**	**NA**	65-135	**NA**	0-60	LFM	
	450	DINOSEB	ND	1.81		2	ug/L	**91**	**NA**	65-135	**NA**	0-60	LFM	
	450	PICLORAM	ND	0.9		1	ug/L	**90**	**NA**	65-135	**NA**	0-60	LFM	
	450	DICAMBA	ND	1.01		1	ug/L	**101**	**NA**	65-135	**NA**	0-60	LFM	
	450	2,4 DB	ND	6.77		8	ug/L	**85**	**NA**	65-135	**NA**	0-60	LFM	
	450	2,4,5 T	ND	1		1	ug/L	**100**	**NA**	65-135	**NA**	0-60	LFM	
	450	BENTAZON	ND	2.07		2	ug/L	**104**	**NA**	65-135	**NA**	0-60	LFM	
	450	DICHLORPROP	ND	2.94		3	ug/L	**98**	**NA**	65-135	**NA**	0-60	LFM	
	450	ACTIFLORFIN	ND	0.97		1	ug/L	**97**	**NA**	65-135	**NA**	0-60	LFM	
	450	DACTHAL (DCPA)	ND	1.08		1	ug/L	**108**	**NA**	65-135	**NA**	0-60	LFM	
	450	2,4 - DCAA (SURR)	102	88			%		**NA**	70-130	**NA**	0-60	LFM	
525_060110														
	602	HEPTACHLOR EPOXIDE "B"	ND	0.78		1	ug/L	**78**	**NA**	70-130	**NA**	0-50	LFM	
	602	ENDRIN	ND	0.96		1	ug/L	**96**	**NA**	70-130	**NA**	0-60	LFM	
	602	LINDANE (BHC - GAMMA)	ND	0.86		1	ug/L	**86**	**NA**	70-130	**NA**	0-60	LFM	
	602	METHOXYCHLOR	ND	1.19		1	ug/L	**119**	**NA**	70-130	**NA**	0-60	LFM	
	602	ALACHLOR	ND	1.94		2	ug/L	**97**	**NA**	70-130	**NA**	0-60	LFM	
	602	ATRAZINE	ND	1.8		2	ug/L	**90**	**NA**	70-130	**NA**	0-60	LFM	
	602	BENZO(A)PYRENE	ND	0.91		1	ug/L	**91**	**NA**	70-130	**NA**	0-60	LFM	
	602	CHLORDANE, TECHNICAL	ND	0.84		1	ug/L	**84**	**NA**	70-130	**NA**	0-60	LFM	
	602	DI(ETHYLHEXYL)-ADIPATE	ND	0.88		1	ug/L	**88**	**NA**	70-130	**NA**	0-60	LFM	
	602	DI(ETHYLHEXYL)-PHTHALATE	ND	0.99		1	ug/L	**99**	**NA**	70-130	**NA**	0-60	LFM	
	602	HEPTACHLOR	ND	0.9		1	ug/L	**90**	**NA**	70-130	**NA**	0-60	LFM	
	602	HEXACHLOROBENZENE	ND	0.83		1	ug/L	**83**	**NA**	70-130	**NA**	0-60	LFM	
	602	HEXACHLOROCYCLO-PENTADIENE	ND	0.92		1	ug/L	**92**	**NA**	70-130	**NA**	0-60	LFM	
	602	SIMAZINE	ND	0.89		1	ug/L	**89**	**NA**	70-130	**NA**	0-60	LFM	
	602	ALDRIN	ND	0.73		1	ug/L	**73**	**NA**	70-130	**NA**	0-60	LFM	
	602	BUTACHLOR	ND	0.98		1	ug/L	**98**	**NA**	70-130	**NA**	0-60	LFM	
	602	DIELDRIN	ND	0.84		1	ug/L	**84**	**NA**	70-130	**NA**	0-60	LFM	
	602	METOLACHLOR	ND	0.99		1	ug/L	**99**	**NA**	70-130	**NA**	0-60	LFM	
	602	METRIBUZIN	ND	0.9		1	ug/L	**90**	**NA**	70-130	**NA**	0-60	LFM	
	602	PROPACHLOR	ND	0.97		1	ug/L	**97**	**NA**	70-130	**NA**	0-60	LFM	
	602	BROMACIL	ND	1.12		1	ug/L	**112**	**NA**	70-130	**NA**	0-60	LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier		Comments
	602	PROMETON	ND	0.3		1	ug/L	**30**	**NA**	70-130	**NA**	0-60	QA	LFM	
	602	TERBACIL	ND	1.12		1	ug/L	**112**	**NA**	70-130	**NA**	0-60		LFM	
	602	DIAZINON	ND	0.89		1	ug/L	**89**	**NA**	70-130	**NA**	0-60		LFM	
	602	EPTC	ND	0.87		1	ug/L	**87**	**NA**	70-130	**NA**	0-60		LFM	
	602	4,4-DDD	ND	0.75		1	ug/L	**75**	**NA**	70-130	**NA**	0-60		LFM	
	602	4,4-DDE	ND	0.79		1	ug/L	**79**	**NA**	70-130	**NA**	0-60		LFM	
	602	4,4-DDT	ND	0.8		1	ug/L	**80**	**NA**	70-130	**NA**	0-60		LFM	
	602	CYANAZINE	ND	0.75		1	ug/L	**75**	**NA**	70-130	**NA**	0-60		LFM	
	602	MALATHION	ND	0.78		1	ug/L	**78**	**NA**	70-130	**NA**	0-60		LFM	
	602	TRIFLURALIN	ND	1.03		1	ug/L	**103**	**NA**	70-130	**NA**	0-60		LFM	
	602	FLUORENE	ND	0.9		1	ug/L	**90**	**NA**	70-130	**NA**	0-60		LFM	
	602	ACENAPHTHYLENE	ND	0.35		1	ug/L	**35**	**NA**	70-130	**NA**	0-60	LR	LFM	
	602	ANTHRACENE	ND	0.86		1	ug/L	**86**	**NA**	70-130	**NA**	0-60		LFM	
	602	BENZ(A)ANTHRACENE	ND	1.03		1	ug/L	**103**	**NA**	70-130	**NA**	0-60		LFM	
	602	BENZO(B)FLUORANTHENE	ND	1.12		1	ug/L	**112**	**NA**	70-130	**NA**	0-60		LFM	
	602	BENZO(G,H,I)PERYLENE	ND	1.21		1	ug/L	**121**	**NA**	70-130	**NA**	0-60		LFM	
	602	BENZO(K)FLUORANTHENE	ND	0.85		1	ug/L	**85**	**NA**	70-130	**NA**	0-60		LFM	
	602	CHRYSENE	ND	1.06		1	ug/L	**106**	**NA**	70-130	**NA**	0-60		LFM	
	602	DIBENZO(A,H)ANTHRACENE	ND	1.04		1	ug/L	**104**	**NA**	70-130	**NA**	0-60		LFM	
	602	INDENO(1,2,3-CD)PYRENE	ND	1.13		1	ug/L	**113**	**NA**	70-130	**NA**	0-60		LFM	
	602	PHENANTHRENE	ND	0.93		1	ug/L	**93**	**NA**	70-130	**NA**	0-60		LFM	
	602	PYRENE	ND	0.91		1	ug/L	**91**	**NA**	70-130	**NA**	0-60		LFM	
	602	BENZYL BUTYL PHTHALATE	ND	0.98		1	ug/L	**98**	**NA**	70-130	**NA**	0-60		LFM	
	602	DI-N-BUTYL PHTHALATE	ND	1.05		1	ug/L	**105**	**NA**	70-130	**NA**	0-60		LFM	
	602	DIETHYL PHTHALATE	ND	1.09		1	ug/L	**109**	**NA**	70-130	**NA**	0-60		LFM	
	602	DIMETHYL PHTHALATE	ND	0.95		1	ug/L	**95**	**NA**	70-130	**NA**	0-60		LFM	
	602	1,3-DIMETHYL-2-NITROBENZENE (Surr	87	88			%		**NA**	70-130	**NA**	0-60		LFM	
	602	PYRENE-D10 (Surr)	91	95			%		**NA**	70-130	**NA**	0-60		LFM	
	602	PERYLENE-D12 (Surr)	96	103			%		**NA**	70-130	**NA**	0-60		LFM	
	602	TRIPHENYLPHOSPHATE (Surr)	93	98			%		**NA**	70-130	**NA**	0-60		LFM	
531_060111															
	450	OXYMAL	ND	20.2	19.4	20	ug/L	**101**	**97**	70-130	**4.0**	0-50		LFM	
	450	CARBOFURAN	ND	18.9	18.3	20	ug/L	**95**	**92**	70-130	**3.2**	0-50		LFM	
	450	ALDICARB SULFOXIDE	ND	19.7	18.9	20	ug/L	**99**	**95**	70-130	**4.1**	0-50		LFM	
	450	ALDICARB SULFONE	ND	20.2	19.4	20	ug/L	**101**	**97**	70-130	**4.0**	0-50		LFM	
	450	METHOMYL	ND	18.8	17.9	20	ug/L	**94**	**90**	70-130	**4.9**	0-50		LFM	
	450	3-HYDROXYCARBOFURAN	ND	19.7	18.9	20	ug/L	**99**	**95**	70-130	**4.1**	0-50		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 06-00222
Report Date: 1/18/2006

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Comments
	450	ALDICARB	ND	17.7	16.9	20	ug/L	**89**	**85**	70-130	**4.6**	0-50	LFM	
	450	CARBARYL	ND	18.1	17.3	20	ug/L	**91**	**87**	70-130	**4.5**	0-50	LFM	
	450	PROPOXUR (BAYGON)	ND	18.9	18.3	20	ug/L	**95**	**92**	70-130	**3.2**	0-50	LFM	
	450	METHIOCARB	ND	16.8	15.1	20	ug/L	**84**	**76**	70-130	**10.7**	0-50	LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Qualifier Definitions

Reference Number: 06-00222
Report Date: 01/18/06

Qualifier	Definition
LR	Low recovery can not be accounted for. The continuing calibration checks are within acceptable limits.
QA	Acceptance Limits do not apply. This method is not the primary method for qualitative analysis.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

FORM: QualifierDefs

Sample #1/2

Mill Creek Water Treatment Plant Laboratory

581 Mill Creek Road Walla Walla, WA 99362

Lab ID # : 143
Washington State ID : M1873
EPA ID # : WA 01177
Telephone : (509) 522-3775
Fax : (509) 529-9681

Date: 02/15/06

System ID / Name: **Walla Walla Basin Watershed Council**

Amount Due: $75.00 pd

Sampler Bob Bower

Invoice Number: 6001

Address: P.O. 68

Date Collected: 1/3/06

City: Milton Freewater

Date Analyzed: 1/3/06

State: OR Zip Code: 97862

Lab Analyst: Skifstad

Membrane Filtration / Fecal Coliform Analysis Report

Test Methods Are Selected From The
Standard Methods For Examination Of Water and Wastewater 20th Edition

Test Method 9222D			
Sample ID #1	Results		Units
Intake #1-A	20.0		CFU's/100 mL

Sample ID #2	Results		Units
Intake #1-B	14.0		CFU's/100 mL

Sample ID #3	Results		Units
Well #1 OBS	2.5		CFU's/100 mL

The City of Walla Walla's Mill Creek Water Treatment Laboratory will maintain records pertaining to reconstructing client's data for a minimum of five years from the date of issuance of the final report. Records may be destroyed after that .

Signature Lab Director : Tom Krebs 2-15-06 (date)

City Of Walla Walla
Water Plant Laboratory
581 Mill Creek Road
Walla Walla, WA 99362

Sample #3

EDGE ANALYTICAL
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11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

INVOICE

Client No: WAL06

Client: WALLA WALLA BASIN WATERSHED COUNCIL
810 S MAIN STREET
MILTON-FREEWATER, OR 97862

Attn: Dirk Dower

Please include this number with payment

Reference: **06-06951**
Date: June 27, 2006
Project: HBDIC Recharge
Date Received: June 02, 2006
Purchase Order:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
1	14226.00	OBD#1	OBS#1	Chemical Oxygen Demand	$32.00
2	14226.00	OBD#1	OBS#1	Total Kjeldahl Nitrogen	$29.00
3	14226.00	OBD#1	OBS#1	Total Dissolved Solids	$17.00
4	14226.00	OBD#1	OBS#1	Chloride	$18.00
5	14226.00	OBD#1	OBS#1	SHIPPING CHARGE	$5.00
6	14227.00	OBD#1	Rejected for out of hold time	Nitrate-N	
7	14227.00	OBD#1	Rejected for out of hold time	ortho-phosphate	

Grand Total:	$101.00
Amount Paid:	$0.00
Amount Due:	$101.00

APPROVED TO PAY

CHARGE TO Recharge - Alliance

Thank You for Your Business

Please pay by July 27, 2006 to avoid a 1.5% per month finance charge.

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11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

CARBAMATES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-07860

Project: HBDIC
Field ID: HBDIC
Sample Description: OBS#1
Sampled By: Bower
Sample Date: 6/12/2006
Source Type:
Sampler Phone: 509-520-3534

Lab Number: 04616174
Report Date: 6/28/2006
Date Analyzed: 6/27/2006
Extraction Date: 531_060627
Analyst: CO
Supervisor:
Analytical Method: 531.2 Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
23135-22-0	OXYMAL	**ND**	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	**ND**	ug/L	1.0	0.87	40	
	EPA Unregulated						
1646-87-3	ALDICARB SULFOXIDE	**ND**	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	**ND**	ug/L	1.0	0.83		
16752-77-5	METHOMYL	**ND**	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFURAN	**ND**	ug/L	1.0	1.0		
116-06-3	ALDICARB	**ND**	ug/L	1.0	0.88		
63-25-2	CARBARYL	**ND**	ug/L	1.0	0.53		
	State Unregulated - Other						
114-26-1	PROPOXUR (BAYGON)	**ND**	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	**ND**	ug/L	1.0	0.76		

An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.
MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

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11525 Knudson Rd.
Burlington, WA 98233
(800) 755-9295
(360) 757-1400 - FAX (360) 757-1402

DATA REPORT

Reference Number: 06-07860

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Project: HBDIC
Field ID: HBDIC
Sample Description: OBS#1
Sampled By: Bower
Sample Date: 6/12/2006
Source Type:
Sampler Phone: 509-520-3534

Lab Number: 04616174
Report Date: 6/28/2006
Date Analyzed: 6/27/2006
Extraction Date: 508_060622
Analyst: JS
Supervisor: [signature]
Analytical Method: 508.1
Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	PCBs/Toxaphene						
1336-36-3	PCBS (Total Aroclors)	ND	ug/L	0.2		0.5	
11104-28-2	AROCLOR 1221	ND	ug/L	0.1	0.1^		
11141-16-5	AROCLOR 1232	ND	ug/L	0.1	0.1^		
53469-21-9	AROCLOR 1242	ND	ug/L	0.1	0.1^		
12672-29-6	AROCLOR 1248	ND	ug/L	0.1	0.1^		
11097-69-1	AROCLOR 1254	ND	ug/L	0.1	0.1^		
11096-82-5	AROCLOR 1260	ND	ug/L	0.1	0.08		
12674-11-2	AROCLOR 1016	ND	ug/L	0.1	0.1		
8001-35-2	TOXAPHENE	ND	ug/L	1	0.5	3	

An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.
MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
759-94-4	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
	- PAHs						
91-20-3	NAPTHALENE	ND	ug/L	0.1	0.1^		
86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1^		
120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
56-55-3	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1^		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
	- Phthalates						
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		

An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
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MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-07860

Project: WBWC
Fax ID: 45010

Sample Description: OBS#1
Sampled By: Bower
Sample Date: 6/12/2006
Source Type:
Sampler Phone: 509-520-3534

Lab Number: 246074
Report Date: 6/28/2006
Date Analyzed: 6/22/2006
Extraction Date: 525_060622
Analyst: JS
Supervisor:
Analytical Method: 525.2
Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
1912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	ND	ug/L	0.1	0.012	0.2	
57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
	EPA Unregulated						
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
	State Unregulated - Other						
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		
3-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix

An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
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HERBICIDES IN DRINKING WATER

Reference Number: 06-07860

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Project: HBDIC
Field ID: HBDIC
Sample Description: OBS#1
Sampled By: Bower
Sample Date: 6/12/2006
Source Type:
Sampler Phone: 509-520-3534

Lab Number: 04616174
Report Date: 7/6/2006
Date Analyzed: 7/5/2006
Extraction Date: 515_060626
Analyst: JS
Supervisor: PM
Analytical Method: 515.1
Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
94-75-7	2,4 - D	ND	ug/L	0.2	0.11	70	
93-72-1	2,4,5 - TP (SILVEX)	ND	ug/L	0.1	0.02	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.1	0.044	1	
75-99-0	DALAPON	ND	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	ND	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	ND	ug/L	0.1	0.089	500	
	EPA Unregulated						
1918-00-9	DICAMBA	ND	ug/L	0.1	0.045		
	State Unregulated						
1861-32-1	TOTAL DCPA	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5 T	ND	ug/L	0.1	0.044		
25057-89-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		

An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
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INVOICE

Client No: WAL06

Client: WALLA WALLA BASIN WATERSHED COUNCIL
810 S MAIN STREET
MILTON-FREEWATER, OR 97862

Attn: Bob Bower

Please include this number with payment

Reference: **06-07860**
Date: July 7, 2006
Project: HBDIC
Date Received: June 22, 2006
Purchase Order:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
1	16174.00	HBDIC	OBS#1	Synthetic Organics	$590.00
2	16174.00	HBDIC	OBS#1	Chlorophenoxy Herbicides	
3	16174.00	HBDIC	OBS#1	Carbamates	

Grand Total:	$590.00
Amount Paid:	$0.00
Amount Due:	$590.00

APPROVED TO PAY

CHARGE TO Recharge Alliance

Thank You for Your Business

Please pay by August 6, 2006 to avoid a 1.5% per month finance charge.

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Data Report

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Report Date: 6/26/2006
Reference Number: 06-06951
Project: HBDIC Recharge

Collected By:

Date Received: 6/2/2006
Supervisor:

Lab Number: 14226 Sample Description: OBD#1 - OBS#1 Sample Date: 5/30/2006

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
16887-00-6	**CHLORIDE**	**0.53**	20	0.012	mg/L	1.0	300.0	6/2/2006	MVP	I060602A	
E-10173	**TOTAL DISSOLVED SOLIDS**	**76**	10	10	mg/L	1.0	SM2540 C	6/7/2006	SO	TDS_060607	
E-10264	**TOTAL KJELDAHL NITROGEN**	**ND**	0.50		mg/L	1.0	SM4500-Norg C	6/21/2006	SO	TKN-060621	
E-10117	**CHEMICAL OXYGEN DEMAND**	**ND**	8.0		mg/L	1.0	SM5220 D	6/9/2006	SO	COD_060609	

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
ND = Not detected above the listed practical quantitation limit (PQL)
D.F. - Dilution Factor

WSDOE Lab C1251
WSDOH Lab 046

FORM: RESULT

Sample #3

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QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 06-07860
Report Date: 07/06/06

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
508_060622						
16174	TETRACHLORO-M-XYLENE (SURR)	92		%	508.1	Acceptance Range is 42% to 137%
515_060626						
16174	2,4 - DCAA (SURR)	105		%	515.1	Acceptance Range is 60% to 140%
525_060622						
16174	1,3-DIMETHYL-2-NITROBENZENE (Surr)	95		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	97		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	91		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	99		%		Acceptance Range is 70% to 130%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

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CARBAMATES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-07860

Project: HBDIC
Field ID: HBDIC
Sample Description: OBS#1
Sampled By: Bower
Sample Date: 6/12/2006
Source Type:
Sampler Phone: 509-520-3534

Lab Number: 04616174
Report Date: 6/28/2006
Date Analyzed: 6/27/2006
Extraction Date: 531_060627
Analyst: CO
Supervisor:
Analytical Method: 531.2 Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
23135-22-0	OXYMAL	**ND**	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	**ND**	ug/L	1.0	0.87	40	
	EPA Unregulated						
1646-87-3	ALDICARB SULFOXIDE	**ND**	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	**ND**	ug/L	1.0	0.83		
16752-77-5	METHOMYL	**ND**	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFURAN	**ND**	ug/L	1.0	1.0		
116-06-3	ALDICARB	**ND**	ug/L	1.0	0.88		
63-25-2	CARBARYL	**ND**	ug/L	1.0	0.53		
	State Unregulated - Other						
114-26-1	PROPOXUR (BAYGON)	**ND**	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	**ND**	ug/L	1.0	0.76		

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J - Estimated value.

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DATA REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-07860

Project: HBDIC
Field ID: HBDIC
Sample Description: OBS#1
Sampled By: Bower
Sample Date: 6/12/2006
Source Type:
Sampler Phone: 509-520-3534

Lab Number: 04616174
Report Date: 6/28/2006
Date Analyzed: 6/27/2006
Extraction Date: 508_060622
Analyst: JS
Supervisor:
Analytical Method: 508.1
Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	PCBs/Toxaphene						
1336-36-3	PCBS (Total Aroclors)	ND	ug/L	0.2		0.5	
11104-28-2	AROCLOR 1221	ND	ug/L	0.1	0.1^		
11141-16-5	AROCLOR 1232	ND	ug/L	0.1	0.1^		
53469-21-9	AROCLOR 1242	ND	ug/L	0.1	0.1^		
12672-29-6	AROCLOR 1248	ND	ug/L	0.1	0.1^		
11097-69-1	AROCLOR 1254	ND	ug/L	0.1	0.1^		
11096-82-5	AROCLOR 1260	ND	ug/L	0.1	0.08		
12674-11-2	AROCLOR 1016	ND	ug/L	0.1	0.1		
8001-35-2	TOXAPHENE	ND	ug/L	1	0.5	3	

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
759-94-4	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
	- PAHs						
91-20-3	NAPTHALENE	ND	ug/L	0.1	0.1^		
86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1^		
120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
56-55-3	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1^		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
	- Phthalates						
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		

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J - Estimated value.

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-07860

Project: HBDIC
Field ID: HBDIC
Sample Description: OBS#1
Sampled By: Bower
Sample Date: 6/12/2006
Source Type:
Sampler Phone: 509-520-3534

Lab Number: 04616174
Report Date: 6/28/2006
Date Analyzed: 6/22/2006
Extraction Date: 525_060622
Analyst: JS
Supervisor: [signature]
Analytical Method: 525.2
Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
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117-81-7	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
	EPA Unregulated						
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
	State Unregulated - Other						
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix

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HERBICIDES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-07860

Project: HBDIC
Field ID: HBDIC
Sample Description: OBS#1
Sampled By: Bower
Sample Date: 6/12/2006
Source Type:
Sampler Phone: 509-520-3534

Lab Number: 04616174
Report Date: 7/6/2006
Date Analyzed: 7/5/2006
Extraction Date: 515_060626
Analyst: JS
Supervisor: PM
Analytical Method: 515.1
Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
94-75-7	2,4 - D	ND	ug/L	0.2	0.11	70	
93-72-1	2,4,5 - TP (SILVEX)	ND	ug/L	0.1	0.02	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.1	0.044	1	
75-99-0	DALAPON	ND	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	ND	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	ND	ug/L	0.1	0.089	500	
	EPA Unregulated						
1918-00-9	DICAMBA	ND	ug/L	0.1	0.045		
	State Unregulated						
1861-32-1	TOTAL DCPA	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5 T	ND	ug/L	0.1	0.044		
25057-89-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		

An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.
MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

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(360) 757-1400 - FAX (360) 757-1402

Data Report

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Report Date: 6/26/2006
Reference Number: 06-06951
Project: HBDIC Recharge

Collected By:

Date Received: 6/2/2006
Supervisor:

Lab Number: 14226 Sample Description: OBD#1 - OBS#1 Sample Date: 5/30/2006

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
16887-00-6	**CHLORIDE**	**0.53**	20	0.012	mg/L	1.0	300.0	6/2/2006	MVP	I060602A	
E-10173	**TOTAL DISSOLVED SOLIDS**	**76**	10	10	mg/L	1.0	SM2540 C	6/7/2006	SO	TDS_060607	
E-10264	**TOTAL KJELDAHL NITROGEN**	**ND**	0.50		mg/L	1.0	SM4500-Norg C	6/21/2006	SO	TKN-060621	
E-10117	**CHEMICAL OXYGEN DEMAND**	**ND**	8.0		mg/L	1.0	SM5220 D	6/9/2006	SO	COD_060609	

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
ND = Not detected above the listed practical quantitation limit (PQL)
D.F. - Dilution Factor

WSDOE Lab C1251
WSDOH Lab 046

FORM: RESULT

Sample # 3

Mill Creek
Water Treatment Plant
Laboratory
581 Mill Creek Road Walla Walla, WA 99362

Lab ID # : 143
Washington State ID : M1876
EPA ID # : WA 01177
Telephone : (509) 522-3775
Fax : (509) 529-9681

Date: 06/05/06

System ID / Name: **Walla Walla Basin Watershed Council**

Amount Due: $50.00

Sampler Bob Bower

Invoice Number: 6002

Address: P.O. 68

Date Collected: 5/30/06

City: Milton Freewater

Date Analyzed: 5/30/06

State: OR Zip Code: 97862

Lab Analyst: Skifstad

Membrane Filtration / Fecal Coliform Analysis Report

Test Methods Are Selected From The
Standard Methods For Examination Of Water and Wastewater 20th Edition

Test Method 9222D			
Sample ID #1	**Results**		**Units**
Well #1 OBS	0.0		CFU's/100 mL

Sample ID #2	**Results**		**Units**
Well #1 OBS-Dupl.	0.5		CFU's/100 mL

The City of Walla Walla's Mill Creek Water Treatment Laboratory will maintain records pertaining to reconstructing client's data for a minimum of five years from the date of issuance of the final report. Records may be destroyed after that .

Signature Lab Director : Tom Krebs 6-5-06
(date)

City Of Walla Walla
Water Plant Laboratory
581 Mill Creek Road
Walla Walla, WA 99362

WATER BACTERIOLOGICAL ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDENROD COPY

If instructions are not followed, sample will be rejected.

DATE COLLECTED (MONTH DAY YEAR)	TIME COLLECTED	COUNTY NAME
5 / 30 / 06	3 : 03 ☐ AM ☒ PM	Umatilla

TYPE OF SYSTEM
☐ PUBLIC
☒ INDIVIDUAL (serves only 1 residence)

IF PUBLIC SYSTEM, COMPLETE: I.D. No. [ ][ ][ ][ ][ ][ ] CIRCLE GROUP A B

NAME OF SYSTEM: Walla Walla Basin Watershed Council

SPECIFIC LOCATION WHERE SAMPLE COLLECTED: OBS #1 Duplicate

TELEPHONE NO. DAY ( ) EVENING ( )

SAMPLE COLLECTED BY: (Name): Bob Bower

SYSTEM OWNER/MGR.: (Name)

SOURCE TYPE ☐ GROUND WATER UNDER SURFACE INFLUENCE
☐ SURFACE ☒ WELL or WELL FIELD ☐ SPRING ☐ PURCHASED or INTERTIE ☐ COMBINATION or OTHER

SEND REPORT TO: (Print Full Name, Address and Zip Code)

WASHINGTON

TYPE OF SAMPLE (check only one in this column)

☐ ROUTINE DRINKING WATER check treatment
☐ Chlorinated (Residual: ____ Total ____ Free)
☐ Filtered
☐ Untreated or Other ____

☐ REPEAT SAMPLE Previous coliform presence Lab # ____ Date ____/____/____

☐ RAW SOURCE WATER Source # S [ ][ ]
☐ NEW CONSTRUCTION or REPAIRS
☒ OTHER (Specify) Membrane Filtration

☐ Total Coliform
☒ Fecal Coliform

REMARKS:

(LAB USE ONLY) DRINKING WATER RESULTS

☐ UNSATISFACTORY, Coliforms present
REPEAT SAMPLES REQUIRED: ☐ E. Coli present ☐ E. Coli absent ☐ Fecal present ☐ Fecal absent

☐ SATISFACTORY Coliforms absent

OTHER LABORATORY RESULTS

TOTAL COLIFORM ____ /100 ml ____ E. COLI /100ml
FECAL COLIFORM 0.5 /100 ml ____ PLATE COUNT /ml

ANOTHER SAMPLE REQUIRED

SAMPLE NOT TESTED BECAUSE:
☐ Sample too old
☐ Wrong container
☐ Incomplete form
☐ ____

TEST UNSUITABLE BECAUSE:
☐ Confluent growth
☐ TNTC
☐ Turbid culture
☐ Excess debris

SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS

LAB NO. (7 DIGITS)	DATE, TIME RECEIVED	RECEIVED BY
143- 03180	5/30/06 339pm	TK

DATE REPORTED

LABORATORY:
City Of Walla Walla
Water Treatment Plant
581 Mill Creek Road
Walla Walla, WA 99362

WATER SUPPLIER COPY

WATER BACTERIOLOGICAL ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDENROD COPY

If instructions are not followed, sample will be rejected.

DATE COLLECTED (MONTH DAY YEAR)	TIME COLLECTED	COUNTY NAME
5 / 30 / 06	3 : 00 ☐ AM ☒ PM	Umatilla

TYPE OF SYSTEM: ☐ PUBLIC ☒ INDIVIDUAL (serves only 1 residence)

IF PUBLIC SYSTEM, COMPLETE: I.D. No. [ ][ ][ ][ ][ ][ ] CIRCLE GROUP A B

NAME OF SYSTEM: Walla Walla Basin Watershed Council

SPECIFIC LOCATION WHERE SAMPLE COLLECTED: OBS #1

TELEPHONE NO. DAY ( ) EVENING ( )

SAMPLE COLLECTED BY: (Name) Bob Bower

SYSTEM OWNER/MGR.: (Name)

SOURCE TYPE ☐ GROUND WATER UNDER SURFACE INFLUENCE
☐ SURFACE ☒ WELL or WELL FIELD ☐ SPRING ☐ PURCHASED or INTERTIE ☐ COMBINATION or OTHER

SEND REPORT TO: (Print Full Name, Address and Zip Code)

WASHINGTON

TYPE OF SAMPLE (check only one in this column)

☐ ROUTINE DRINKING WATER check treatment
☐ Chlorinated (Residual: ____ Total ____ Free)
☐ Filtered
☐ Untreated or Other ____

☐ REPEAT SAMPLE Previous coliform presence Lab # ____ Date ____/____/____

☐ RAW SOURCE WATER Source # S [ ][ ]
☐ NEW CONSTRUCTION or REPAIRS
☒ OTHER (Specify) Membrane Filtration

☐ Total Coliform
☒ Fecal Coliform

REMARKS:

(LAB USE ONLY) DRINKING WATER RESULTS

☐ UNSATISFACTORY, Coliforms present
REPEAT SAMPLES REQUIRED: ☐ E. Coli present ☐ E. Coli absent ☐ Fecal present ☐ Fecal absent

☐ SATISFACTORY Coliforms absent

OTHER LABORATORY RESULTS

TOTAL COLIFORM ____ /100 ml ____ E. COLI /100ml
FECAL COLIFORM 0.0 /100 ml ____ PLATE COUNT /ml

ANOTHER SAMPLE REQUIRED

SAMPLE NOT TESTED BECAUSE:
☐ Sample too old
☐ Wrong container
☐ Incomplete form
☐ ____

TEST UNSUITABLE BECAUSE:
☐ Confluent growth
☐ TNTC
☐ Turbid culture
☐ Excess debris

SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS

LAB NO. (7 DIGITS)	DATE, TIME RECEIVED	RECEIVED BY
143- 03179	5/30/06 3:39 PM	TK

DATE REPORTED

LABORATORY:
City Of Walla Walla
Water Treatment Plant
581 Mill Creek Road
Walla Walla, WA 99362

WATER SUPPLIER COPY

Appendices I-D

HBDIC Recharge Water Quality Testing:

Lab Results, Notes and Records

2006-2007 Recharge Season

Mill Creek
Water Treatment Plant
Laboratory
581 Mill Creek Road Walla Walla, WA 99362

Lab ID # : 143
Washington State ID : M1873
EPA ID # : WA 01177
Telephone : (509) 522-3775
Fax : (509) 529-9681

Date: 11/30/06

System ID / Name: **Walla Walla Basin Watershed Council**

Amount Due: $100.00

Sampler Bob Bower

Invoice Number: 6005

Address: P.O. Box 68

Date Collected: 11/29/06

City: Milton-Freewater

Date Analyzed: 11/29/06

State: Oregon Zip Code: 97862

Lab Analyst: Skifstad

Membrane Filtration / Fecal Coliform Analysis Report

Test Methods Are Selected From The
Standard Methods For Examination Of Water and Wastewater 20th Edition

Test Method 9222D			
Sample ID #1	**Results**		**Units**
Intake -A	7.0		CFU's/100mL
Sample ID #2	**Results**		**Units**
Intake -B	12.0		CFU's/100mL
Sample ID #1	**Results**		**Units**
OBS #1-A	0.0		CFU's/100mL
Sample ID #1	**Results**		**Units**
OBS #1-B	3.0		CFU's/100mL

The City of Walla Walla's Mill Creek Water Treatment Laboratory will maintain records pertaining to reconstructing client's data for a minimum of five years from the date of issuance of the final report. Records may be destroyed after that .

Signature Lab Director : Tom Krebs 11-30-06
(date)

City Of Walla Walla
Water Plant Laboratory
581 Mill Creek Road
Walla Walla, WA 99362

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Data Report

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Report Date: 12/20/2006
Reference Number: 06-15463
Project: WWBWC

Collected By:

Date Received: 11/29/2006
Supervisor:

Lab Number: 33112 Sample Description: Intake Sample Date: 11/28/2006

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14797-55-8	NITRATE-N	0.33	0.02	0.015	mg/L	1.0	SM4500-NO3 F	12/6/2006	SO	NO3NO2-061206	
E-10264	TOTAL KJELDAHL NITROGEN	ND	0.5	0.5	mg/L	1.0	SM4500-Norg C	12/12/2006	SO	TKN-061211A	
7723-14-0	TOTAL PHOSPHORUS	ND	0.10	0.010	mg/L	1.0	SM4500-P F	12/4/2006	SO	TPHOS-061204	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0	1.00	mg/L	1.0	SM5220 D	12/4/2006	SO	COD_061204	
16887-00-6	CHLORIDE	0.8	20	0.012	mg/L	1.0	300.0	11/29/2006	MVP	I061129A	
E-10173	TOTAL DISSOLVED SOLIDS	69	10	10	mg/L	1.0	SM2540 C	12/6/2006	SO	TDS_061206	

Lab Number: 33113 Sample Description: OBS #1 Sample Date: 11/28/2006

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14797-55-8	NITRATE-N	0.33	0.02	0.015	mg/L	1.0	SM4500-NO3 F	12/6/2006	SO	NO3NO2-061206	
E-10264	TOTAL KJELDAHL NITROGEN	ND	0.5	0.5	mg/L	1.0	SM4500-Norg C	12/12/2006	SO	TKN-061211A	
7723-14-0	TOTAL PHOSPHORUS	0.37	0.10	0.010	mg/L	1.0	SM4500-P F	12/4/2006	SO	TPHOS-061204	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0	1.00	mg/L	1.0	SM5220 D	12/4/2006	SO	COD_061204	
16887-00-6	CHLORIDE	0.8	20	0.012	mg/L	1.0	300.0	11/29/2006	MVP	I061129A	
E-10173	TOTAL DISSOLVED SOLIDS	84	10	10	mg/L	1.0	SM2540 C	12/6/2006	SO	TDS_061206	

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
ND = Not detected above the listed practical quantitation limit (PQL)
D.F. - Dilution Factor

WSDOE Lab C1251
WSDOH Lab 046

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Microbiology | 360.671.0688 • 360.671.1577fax

HERBICIDES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-15463

Project: WWBWC
Field ID: Intake
Sample Description: Intake
Sampled By:
Sample Date: 11/28/2006
Source Type:
Sampler Phone:

Lab Number: 04633112
Report Date: 12/29/2006
Date Analyzed: 12/15/2006
Extraction Date: 515_061211
Analyst: TM
Supervisor: PM
Analytical Method: 515.1
Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
94-75-7	2,4 - D	ND	ug/L		0.16	70	
93-72-1	2,4,5 - TP (SILVEX)	ND	ug/L		0.04	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L		0.04	1	
75-99-0	DALAPON	ND	ug/L		0.76	200	
88-85-7	DINOSEB	ND	ug/L		0.11	7	
1918-02-1	PICLORAM	ND	ug/L		0.09	500	
	EPA Unregulated						
1918-00-9	DICAMBA	ND	ug/L		0.09		
	State Unregulated						
1861-32-1	TOTAL DCPA	ND	ug/L		0.09		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L		0.11		
93-76-5	2,4,5 T	ND	ug/L		0.07		
25057-89-0	BENTAZON	ND	ug/L		0.13		
120-36-5	DICHLORPROP	ND	ug/L		0.11		
50594-66-6	ACIFLUORFEN	ND	ug/L		0.16		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L		0.04		

An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.
MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

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Microbiology | 360.671.0688 • 360.671.1577fax

HERBICIDES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-15463

Project: WWBWC
Field ID: OBS #1
Sample Description: OBS #1
Sampled By:
Sample Date: 11/28/2006
Source Type:
Sampler Phone:

Lab Number: 04633113
Report Date: 12/29/2006
Date Analyzed: 12/15/2006
Extraction Date: 515_061211
Analyst: TM
Supervisor:
Analytical Method: 515.1
Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
94-75-7	2,4 - D	**ND**	ug/L		0.16	70	
93-72-1	2,4,5 - TP (SILVEX)	**ND**	ug/L		0.04	50	
87-86-5	PENTACHLOROPHENOL	**ND**	ug/L		0.04	1	
75-99-0	DALAPON	**ND**	ug/L		0.76	200	
88-85-7	DINOSEB	**ND**	ug/L		0.11	7	
1918-02-1	PICLORAM	**ND**	ug/L		0.09	500	
	EPA Unregulated						
1918-00-9	DICAMBA	**ND**	ug/L		0.09		
	State Unregulated						
1861-32-1	TOTAL DCPA	**ND**	ug/L		0.09		
E-14-02-8	DCPA (ACID METABOLITES)	**ND**	ug/L	0.1	0.1		
94-82-6	2,4 DB	**ND**	ug/L		0.11		
93-76-5	2,4,5 T	**ND**	ug/L		0.07		
25057-89-0	BENTAZON	**ND**	ug/L		0.13		
120-36-5	DICHLORPROP	**ND**	ug/L		0.11		
50594-66-6	ACIFLUORFEN	**ND**	ug/L		0.16		
133-90-4	CHLORAMBEN	**ND**	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	**ND**	ug/L		0.04		

A... ...nt of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.
MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-15463

Project: WWBWC
Field ID: Intake
Sample Description: Intake
Sampled By:
Sample Date: 11/28/2006
Source Type:
Sampler Phone:

Lab Number: 04633112
Report Date: 12/27/2006
Date Analyzed: 12/11/2006
Extraction Date: 525_061211
Analyst: CO
Supervisor:
Analytical Method: 525.2
Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
1912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	ND	ug/L	0.1	0.012	0.2	
57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
	EPA Unregulated						
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
	State Unregulated - Other						
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		

An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.
MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix
759-94-4	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
	- PAHs						
91-20-3	NAPTHALENE	ND	ug/L	0.1	0.1^		
86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1^		
120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
56-55-3	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1^		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
	- Phthalates						
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		

nount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
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MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

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Bellingham WA | 805 Orchard Dr Suite 4 - 98225
Microbiology | 360.671.0688 • 360.671.1577fax

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-15463

Project: WWBWC
Field ID: OBS #1
Sample Description: OBS #1
Sampled By:
Sample Date: 11/28/2006
Source Type:
Sampler Phone:

Lab Number: 04633113
Report Date: 12/27/2006
Date Analyzed: 12/11/2006
Extraction Date: 525_061211
Analyst: MM/CC
Supervisor:
Analytical Method: 525.2
Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	ND	ug/L	0.1	0.012	0.2	
57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
	EPA Unregulated						
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
	State Unregulated - Other						
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		

unt of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix
759-94-4	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
	- PAHs						
91-20-3	NAPTHALENE	ND	ug/L	0.1	0.1^		
86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1^		
120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
56-55-3	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1^		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
	- Phthalates						
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		

An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.

MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA. NPDWR. State Advisory Level (SAL) for Unregulated compounds.
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J - Estimated value.

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DATA REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-15463

Project: WWBWC
Field ID: Intake
Sample Description: Intake
Sampled By:
Sample Date: 11/28/2006
Source Type:
Sampler Phone:

Lab Number: 04633112
Report Date: 12/27/2006
Date Analyzed: 12/11/2006
Extraction Date: 508_061211
Analyst: MM
Supervisor:
Analytical Method: 508.1
Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	PCBs/Toxaphene						
1336-36-3	PCBS (Total Aroclors)	**ND**	ug/L	0.2		0.5	
11104-28-2	AROCLOR 1221	**ND**	ug/L	0.1	0.1^		
11141-16-5	AROCLOR 1232	**ND**	ug/L	0.1	0.1^		
53469-21-9	AROCLOR 1242	**ND**	ug/L	0.1	0.1^		
12672-29-6	AROCLOR 1248	**ND**	ug/L	0.1	0.1^		
11097-69-1	AROCLOR 1254	**ND**	ug/L	0.1	0.1^		
11096-82-5	AROCLOR 1260	**ND**	ug/L	0.1	0.08		
12674-11-2	AROCLOR 1016	**ND**	ug/L	0.1	0.1		
8001-35-2	TOXAPHENE	**ND**	ug/L	1	0.5	3	

An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
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DATA REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-15463

Project: WWBWC
Field ID: OBS #1
Sample Description: OBS #1
Sampled By:
Sample Date: 11/28/2006
Source Type:
Sampler Phone:

Lab Number: 33113
Report Date: 12/27/2006
Date Analyzed: 12/11/2006
Extraction Date: 508_061211
Analyst: MM
Supervisor:
Analytical Method: 508.1
Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	PCBs/Toxaphene						
1336-36-3	PCBS (Total Aroclors)	**ND**	ug/L	0.2		0.5	
11104-28-2	AROCLOR 1221	**ND**	ug/L	0.1	0.1^		
11141-16-5	AROCLOR 1232	**ND**	ug/L	0.1	0.1^		
53469-21-9	AROCLOR 1242	**ND**	ug/L	0.1	0.1^		
12672-29-6	AROCLOR 1248	**ND**	ug/L	0.1	0.1^		
11097-69-1	AROCLOR 1254	**ND**	ug/L	0.1	0.1^		
11096-82-5	AROCLOR 1260	**ND**	ug/L	0.1	0.08		
12674-11-2	AROCLOR 1016	**ND**	ug/L	0.1	0.1		
8001-35-2	TOXAPHENE	**ND**	ug/L	1	0.5	3	

An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
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CARBAMATES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-15463

Project: WWBWC
Field ID: Intake
Sample Description: Intake
Sampled By:
Sample Date: 11/28/2006
Source Type:
Sampler Phone:

Lab Number: 33112
Report Date: 12/29/2006
Date Analyzed: 12/26/2006
Extraction Date: 531_061221
Analyst: TM/co
Supervisor:
Analytical Method: 531.2 Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
23135-22-0	OXYMAL	**ND**	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	**ND**	ug/L	1.0	0.87	40	
	EPA Unregulated						
1646-87-3	ALDICARB SULFOXIDE	**ND**	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	**ND**	ug/L	1.0	0.83		
16752-77-5	METHOMYL	**ND**	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFURAN	**ND**	ug/L	1.0	1.0		
116-06-3	ALDICARB	**ND**	ug/L	1.0	0.88		
63-25-2	CARBARYL	**ND**	ug/L	1.0	0.53		
	State Unregulated - Other						
114-26-1	PROPOXUR (BAYGON)	**ND**	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	**ND**	ug/L	1.0	0.76		

An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
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PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.
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CARBAMATES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-15463

Project: WWBWC
Field ID: OBS #1
Sample Description: OBS #1
Sampled By:
Sample Date: 11/28/2006
Source Type:
Sampler Phone:

Lab Number: 33113
Report Date: 12/29/2006
Date Analyzed: 12/26/2006
Extraction Date: 531_061221
Analyst: TM/co
Supervisor:
Analytical Method: 531.2 Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
23135-22-0	OXYMAL	**ND**	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	**ND**	ug/L	1.0	0.87	40	
	EPA Unregulated						
1646-87-3	ALDICARB SULFOXIDE	**ND**	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	**ND**	ug/L	1.0	0.83		
16752-77-5	METHOMYL	**ND**	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFURAN	**ND**	ug/L	1.0	1.0		
116-06-3	ALDICARB	**ND**	ug/L	1.0	0.88		
63-25-2	CARBARYL	**ND**	ug/L	1.0	0.53		
	State Unregulated - Other						
114-26-1	PROPOXUR (BAYGON)	**ND**	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	**ND**	ug/L	1.0	0.76		

An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.

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J - Estimated value.

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 06-15463
Report Date: 12/29/06

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
515_061211						
33112	2,4 - DCAA (SURR)	97		%	515.1	Acceptance Range is 60% to 140%
508_061211						
33112	TETRACHLORO-M-XYLENE (SURR)	92		%	508.1	Acceptance Range is 42% to 137%
525_061211						
33112	1,3-DIMETHYL-2-NITROBENZENE (Surr)	105		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	100		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	101		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	109		%		Acceptance Range is 70% to 130%
515_061211						
33113	2,4 - DCAA (SURR)	96		%	515.1	Acceptance Range is 60% to 140%
508_061211						
33113	TETRACHLORO-M-XYLENE (SURR)	91		%	508.1	Acceptance Range is 42% to 137%
525_061211						
33113	1,3-DIMETHYL-2-NITROBENZENE (Surr)	105		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	102		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	103		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	108		%		Acceptance Range is 70% to 130%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 06-15463
Report Date: 12/27/06

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
515_061211						
33112	2,4 - DCAA (SURR)	97		%	515.1	Acceptance Range is 60% to 140%
508_061211						
33112	TETRACHLORO-M-XYLENE (SURR)	92		%	508.1	Acceptance Range is 42% to 137%
525_061211						
33112	1,3-DIMETHYL-2-NITROBENZENE (Surr)	105		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	100		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	101		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	109		%		Acceptance Range is 70% to 130%
515_061211						
33113	2,4 - DCAA (SURR)	96		%	515.1	Acceptance Range is 60% to 140%
508_061211						
33113	TETRACHLORO-M-XYLENE (SURR)	91		%	508.1	Acceptance Range is 42% to 137%
525_061211						
33113	1,3-DIMETHYL-2-NITROBENZENE (Surr)	105		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	102		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	103		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	108		%		Acceptance Range is 70% to 130%

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Mill Creek
Water Treatment Plant
Laboratory
581 Mill Creek Road Walla Walla, WA 99362

Lab ID # : 143
Washington State ID : M1873
EPA ID # : WA 01177
Telephone : (509) 522-3775
Fax : (509) 529-9681

Date: 05/18/07

System ID / Name: **Walla Walla Basin Watershed Council**

Sampler Bob Bower

Address: P.O. Box 68

City: Milton-Freewater

State: Oregon Zip Code: 97862

Amount Due: $100.00

Invoice Number: 7001

Date Collected: 5/18/07

Date Analyzed: 5/18/07

Lab Analyst: Skifstad

Membrane Filtration / Fecal Coliform Analysis Report

Test Methods Are Selected From The
Standard Methods For Examination Of Water and Wastewater 20th Edition

Test Method 9222D			
Sample ID #1	**Results**		**Units**
Intake -1A	19.0		CFU's/100mL
Sample ID #2	**Results**		**Units**
Intake -1B	23.0		CFU's/100mL
Sample ID #1	**Results**		**Units**
OBS - 2A	1.0		CFU's/100mL
Sample ID #1	**Results**		**Units**
OBS - 2B	0.0		CFU's/100mL

The City of Walla Walla's Mill Creek Water Treatment Laboratory will maintain records pertaining to reconstructing client's data for a minimum of five years from the date of issuance of the final report. Records may be destroyed after that .

Signature Lab Director : Tom Krebs 5/21/07
(date)

City Of Walla Walla
Water Plant Laboratory
581 Mill Creek Road
Walla Walla, WA 99362

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Data Report

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Report Date: 5/31/2007
Reference Number: 07-06211
Project: HBDIC Recharge Project

Collected By: Bob Bower

Date Received: 5/18/2007
Supervisor: JW

Lab Number: 14513 Sample Description: OBS #1 - Observation Well #1 Sample Date: 5/17/2007

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14797-55-8	**NITRATE-N**	**0.11**	0.100	0.015	mg/L	1.0	300.0	5/18/2007	MVP	I070518A	
E-10264	**TOTAL KJELDAHL NITROGEN**	**ND**	0.5	0.1391	mg/L	1.0	SM4500-Norg C	5/29/2007	SO	TKN-070529	
E-10117	**CHEMICAL OXYGEN DEMAND**	**ND**	8.0	1.00	mg/L	1.0	SM5220 D	5/21/2007	KJY	COD_070521	
16887-00-6	**CHLORIDE**	**0.5**	20	0.012	mg/L	1.0	300.0	5/18/2007	MVP	I070518A	
E-10173	**TOTAL DISSOLVED SOLIDS**	**69**	10	10	mg/L	1.0	SM2540 C	5/24/2007	SO	TDS_070524	
7723-14-0	**TOTAL PHOSPHORUS**	**ND**	0.10	0.0282	mg/L	1.0	SM4500-P F/SM 4500-P B	5/24/2007	SO	TPHOS-070524	

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
ND = Not detected above the listed practical quantitation limit (PQL)
D.F. - Dilution Factor

WSDOE Lab C1251
WSDOH Lab 046

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INVOICE

Client No: WAL06

Client: WALLA WALLA BASIN WATERSHED COUNCIL
810 S MAIN STREET
MILTON-FREEWATER, OR 97862

Attn:

Please include this number with payment

Reference: **07-06211**
Date: May 31, 2007
Project: HBDIC Recharge Project
Date Received: May 18, 2007
Purchase Order:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
1	14513.00	OBS #1	Observation Well #1	Synthetic Organics	$590.00
2	14513.00	OBS #1	Observation Well #1	Chlorophenoxy Herbicides	
3	14513.00	OBS #1	Observation Well #1	Carbamates	
4	14513.00	OBS #1	Observation Well #1	Total Kjeldahl Nitrogen	$29.00
5	14513.00	OBS #1	Observation Well #1	Chemical Oxygen Demand	$32.00
6	14513.00	OBS #1	Observation Well #1	Nitrate-N	$18.00
7	14513.10	OBS #1	Observation Well #1	Total Phosphorus	$20.00
8	14513.10	OBS #1	Observation Well #1	Total Dissolved Solids	$17.00
9	14513.10	OBS #1	Observation Well #1	Chloride	$18.00
10	14513.10		Shipping Charge	SHIPPING CHARGE	$5.00

Grand Total: $729.00
Amount Paid: $0.00
Amount Due: $729.00

APPROVED TO PAY

CHARGE TO 209-3103

Thank You for Your Business

Please pay by June 30, 2007 to avoid a 1.5% per month finance charge.

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HERBICIDES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 07-06211
Project: HBDIC Recharge Project

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Observation Well #1
County:
Sampled By: Bob Bower
Sampler Phone:

Field ID: OBS #1
Lab Number: 04614513
Date Collected: 5/17/2007
Date Extracted: 515_07521
Date Analyzed: 5/21/2007
Report Date: 5/25/2007
Analyst: HY/CC
Supervisor:

EPA Method 515.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	EPA Regulated						
37	2,4 - D	**ND**	ug/L	0.2	0.2	70	
38	2,4,5 - TP (SILVEX)	**ND**	ug/L	0.4	0.4	50	
134	PENTACHLOROPHENOL	**ND**	ug/L	0.08	0.08	1	
137	DALAPON	**ND**	ug/L	2	2	200	
139	DINOSEB	**ND**	ug/L	0.4	0.4	7	
140	PICLORAM	**ND**	ug/L	0.2	0.2	500	
	EPA Unregulated						
138	DICAMBA	**ND**	ug/L	0.2	0.2		
	State Unregulated						
222	TOTAL (DCPA & Metabolites)	**ND**	ug/L	0.1	0.1		
225	DCPA (ACID METABOLITES)	**ND**	ug/L	0.1	0.1		
135	2,4 DB	**ND**	ug/L	1.0	1.0		
136	2,4,5 T	**ND**	ug/L	0.4	0.4		
220	BENTAZON	**ND**	ug/L	0.5	0.5		
221	DICHLORPROP	**ND**	ug/L	0.5	0.5		
223	ACIFLUORFEN	**ND**	ug/L	2.0	2.0		
224	CHLORAMBEN	**ND**	ug/L	0.2	0.2		
226	3,5 - DICHLOROBENZOIC ACID	**ND**	ug/L	0.5	0.5		

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 07-06211

Project: HBDIC Recharge Project

System Name:
System ID Number:
DOH Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
Sample Location: Observation Well #1
County:
Sampled By: Bob Bower
Sampler Phone:

Field ID: OBS #1
Lab Number: 04614513
Date Collected: 5/17/2007
Date Extracted: 508_070523
Date Analyzed: 5/23/2007
Report Date: 5/25/2007
Analyst: MM/C(
Supervisor:

EPA Method 508.1 For State Drinking Water Compliance

DOH#	COMPOUNDS	RESULTS	Units	SRL	Trigger	MCL	COMMENT
	PCBs/Toxaphene						
153	PCBS (Total Aroclors)	**ND**	ug/L	0.2	0.2	0.5	
173	AROCLOR 1221	**ND**	ug/L	20	20		
174	AROCLOR 1232	**ND**	ug/L	0.5	0.5		
175	AROCLOR 1242	**ND**	ug/L	0.5	0.3		
176	AROCLOR 1248	**ND**	ug/L	0.1	0.1		
177	AROCLOR 1254	**ND**	ug/L	0.1	0.1		
178	AROCLOR 1260	**ND**	ug/L	0.2	0.2		
180	AROCLOR 1016	**ND**	ug/L	0.1	0.1		
36	TOXAPHENE	**ND**	ug/L	2	2	3	

*- An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
**- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
***- If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
****- Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

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CARBAMATES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 07-06211

Project: HBDIC Recharge Project
Field ID: OBS #1
Sample Description: Observation Well #1
Sampled By: Bob Bower
Sample Date: 5/17/2007
Source Type:
Sampler Phone:

Lab Number: 04614513
Report Date: 5/31/2007
Date Analyzed: 5/29/2007
Extraction Date: 531_070529
Analyst: CO
Supervisor:
Analytical Method: 531.2 Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
23135-22-0	OXYMAL	ND	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	ND	ug/L	1.0	0.87	40	
	EPA Unregulated						
46-87-3	ALDICARB SULFOXIDE	ND	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	ND	ug/L	1.0	0.83		
16752-77-5	METHOMYL	ND	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFURAN	ND	ug/L	1.0	1.0		
116-06-3	ALDICARB	ND	ug/L	1.0	0.88		
63-25-2	CARBARYL	ND	ug/L	1.0	0.53		
	State Unregulated - Other						
114-26-1	PROPOXUR (BAYGON)	ND	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	ND	ug/L	1.0	0.76		

An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.
MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 07-06211

Project: HBDIC Recharge Project
Field ID: OBS #1
Sample Description: Observation Well #1
Sampled By: Bob Bower
Sample Date: 5/17/2007
Source Type:
Sampler Phone:

Lab Number: 04614513
Report Date: 5/30/2007
Date Analyzed: 5/23/2007
Extraction Date: 525_070523
Analyst: MM/CC
Supervisor:
Analytical Method: 525.2
Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
1912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	ND	ug/L	0.1	0.012	0.2	
57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
	EPA Unregulated						
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
	State Unregulated - Other						
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		

An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.
MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.
MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix
759-94-4	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
	- PAHs						
91-20-3	NAPTHALENE	ND	ug/L	0.1	0.1^		
86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1^		
120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
56-55-3	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
[illegible]-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1^		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
	- Phthalates						
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		

An amount of "ND" indicates that the compound was not detected above the Lab's Method Detection Limit - MDL.

MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 07-06211
Report Date: 05/31/07

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
508_070523						
14513	TETRACHLORO-M-XYLENE (SURR)	93		%	508.1	Acceptance Limits 70%-130%
515_07521						
14513	2,4 - DCAA (SURR)	100		%	515.1	Acceptance Range is 70 - 130%
525_070523						
14513	1,3-DIMETHYL-2-NITROBENZENE (Surr)	96		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	106		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	77		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	97		%		Acceptance Range is 70% to 130%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Appendices I-E

HBDIC Recharge Water Quality Testing:

Lab Results, Notes and Records

2007-2008 Recharge Season

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WSDOE Lab C1251

DATA REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 07-15764
Project: HBDIC Recharge Project

Lab Number: 35783
Field ID: Intake
Sample Description: @HBDIC Recharge
Matrix: Water
Collect Date: 11/26/2007
Extraction Date: 12/7/2007
Extraction Method: 3535

Report Date: 5/2/2008
Date Analyzed: 12/10/2007
Analyst: CO
Peer Review: MVA
Analytical Method: 525.2

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
2312-35-8	PROPARGITE	ND		ug/L		-	1.0	525_070120	Qualitative analysis
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0	525_070120	Qualitative analysis
57837-19-1	METALAXYL	ND		ug/L	0.1	-	1.0		Qualitative analysis
15299-99-7	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.0		Qualitative analysis
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.0		Qualitative analysis
60168-88-9	FENARIMOL	ND		ug/L	0.1	0.03	1.0		Qualitative analysis
[illegible]6-34-7	MEVINPHOS	ND		ug/l	0.1	0.03	1.0		Qualitative analysis
[illegible]-50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.0		Qualitative analysis
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.0		Qualitative analysis
115-32-2	DICOFOL	ND		ug/L	1	-	1.0		Qualitative analysis
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0		Qualitative analysis
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0		Qualitative analysis
43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		Qualitative analysis
68694-11-1	TRIFLUMIZOLE	ND		ug/L	1.0	1.0	1.0		Qualitative analysis
950-37-8	METHIDATHINON	ND		ug/L	0.5	0.5	1.0		Qualitative analysis
88671-89-0	MYCLOBUTANIL	ND		ug/L	0.5	0.5	1.0		Qualitative analysis
51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		Qualitative analysis

[illegible]esult of: NA - indicates the compound was not analyzed.
Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

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WSDOE Lab C1251

DATA REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 06-00222
Project: HBDIC Recharge Project

Lab Number: 449
Field ID: Intake
Sample Description: HBDIC Recharge Project (WWBWC)
Matrix: Drinking Water
Collect Date: 1/4/2006
Extraction Date: 1/10/2006
Extraction Method: 3535

Report Date: 5/2/2008
Date Analyzed: 1/11/2006
Analyst: CO
Peer Review: MVA
Analytical Method: 525.2

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
2312-35-8	PROPARGITE	ND		ug/L		-	1.0	525_070120	Qualitative analysis
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0	525_070120	Qualitative analysis
57837-19-1	METALAXYL	ND		ug/L	0.1	-	1.0		Qualitative analysis
15299-99-7	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.0		Qualitative analysis
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.0		Qualitative analysis
60168-88-9	FENARIMOL	ND		ug/L	0.1	0.03	1.0		Qualitative analysis
[illegible]6-34-7	MEVINPHOS	ND		ug/l	0.1	0.03	1.0		Qualitative analysis
[illegible]-50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.0		Qualitative analysis
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.0		Qualitative analysis
115-32-2	DICOFOL	ND		ug/L	1	-	1.0		Qualitative analysis
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0		Qualitative analysis
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0		Qualitative analysis
43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		Qualitative analysis
68694-11-1	TRIFLUMIZOLE	ND		ug/L	1.0	1.0	1.0		Qualitative analysis
950-37-8	METHIDATHINON	ND		ug/L	0.5	0.5	1.0		Qualitative analysis
88671-89-0	MYCLOBUTANIL	ND		ug/L	0.5	0.5	1.0		Qualitative analysis
51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		Qualitative analysis

Result of: NA - indicates the compound was not analyzed.
Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

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WSDOE Lab C1251

DATA REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Lab Number: 24845
Field ID: 74115
Sample Description: Intake
Matrix: Surface Water
Collect Date: 12/8/2004
Extraction Date: 12/20/2004
Extraction Method: 3535

Reference Number: 04-12075
Project: 74115/74116

Report Date: 5/2/2008
Date Analyzed: 12/21/2004
Analyst: CO
Peer Review: MVA
Analytical Method: 525.2

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
2312-35-8	PROPARGITE	ND		ug/L		-	1.0	525_070120	Qualitative analysis
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0	525_070120	Qualitative analysis
57837-19-1	METALAXYL	ND		ug/L	0.1	-	1.0		Qualitative analysis
15299-99-7	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.0		Qualitative analysis
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.0		Qualitative analysis
60168-88-9	FENARIMOL	ND		ug/L	0.1	0.03	1.0		Qualitative analysis
[illegible]6-34-7	MEVINPHOS	ND		ug/l	0.1	0.03	1.0		Qualitative analysis
[illegible]50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.0		Qualitative analysis
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.0		Qualitative analysis
115-32-2	DICOFOL	ND		ug/L	1	-	1.0		Qualitative analysis
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0		Qualitative analysis
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0		Qualitative analysis
43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		Qualitative analysis
68694-11-1	TRIFLUMIZOLE	ND		ug/L	1.0	1.0	1.0		Qualitative analysis
950-37-8	METHIDATHINON	ND		ug/L	0.5	0.5	1.0		Qualitative analysis
88671-89-0	MYCLOBUTANIL	ND		ug/L	0.5	0.5	1.0		Qualitative analysis
51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		Qualitative analysis

Result of: NA - indicates the compound was not analyzed.
Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

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360.671.0688 • 360.671.1577fax

WSDOE Lab C1251

DATA REPORT

Client Name: KUO Testing Labs Inc
337 S 1st
Othello, WA 99344

Lab Number: 4659
Field ID: 74116
Sample Description: intake
Matrix: Drinking Water
Collect Date: 4/13/2004
Extraction Date: 4/19/2004
Extraction Method: 3535

Reference Number: 04-2366
Project: 70292

Report Date: 5/2/2008
Date Analyzed: 4/21/2004
Analyst: CO
Peer Review: MVA
Analytical Method: 525.2

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
2312-35-8	PROPARGITE	ND		ug/L		-	1.0	525_070120	Qualitative analysis
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0	525_070120	Qualitative analysis
57837-19-1	METALAXYL	ND		ug/L	0.1	-	1.0		Qualitative analysis
15299-99-7	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.0		Qualitative analysis
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.0		Qualitative analysis
60168-88-9	FENARIMOL	ND		ug/L	0.1	0.03	1.0		Qualitative analysis
[illegible]6-34-7	MEVINPHOS	ND		ug/l	0.1	0.03	1.0		Qualitative analysis
[illegible]-50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.0		Qualitative analysis
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.0		Qualitative analysis
115-32-2	DICOFOL	ND		ug/L	1	-	1.0		Qualitative analysis
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0		Qualitative analysis
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0		Qualitative analysis
43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		Qualitative analysis
68694-11-1	TRIFLUMIZOLE	ND		ug/L	1.0	1.0	1.0		Qualitative analysis
950-37-8	METHIDATHINON	ND		ug/L	0.5	0.5	1.0		Qualitative analysis
88671-89-0	MYCLOBUTANIL	ND		ug/L	0.5	0.5	1.0		Qualitative analysis
51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		Qualitative analysis

Result of: NA - indicates the compound was not analyzed.
Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

Mill Creek
Water Treatment Plant
Laboratory
581 Mill Creek Road Walla Walla, WA 99362

Lab ID # : 143
Washington State ID : M1873
EPA ID # : WA 01177
Telephone : (509) 522-3775
Fax : (509) 529-9681
Date: 05/28/08

System ID / Name:	Walla Walla Basin Watershed Council	Amount Due:	$66.00
Sampler:	Troy Baker	Invoice Number:	8005
Address:	P.O. Box 68	Date Collected:	5/27/08
City:	Milton-Freewater	Date Analyzed:	5/27/08
State:	OR Zip Code: 97874	Lab Analyst:	*Neher*

Test Methods Are Selected From The
Standard Methods For Examination Of Water and Wastewater ~ 20th Edition~

Test Method 9223B			
Sample ID #1	**Results**	**Units**	**Lab Number**
L-S1	Presence	Presence / Absence	143-05637
	Total Coliform Present / E-Coli Absent___Present_X_		
Sample ID #2	**Results**	**Units**	**Lab Number**
L-S2	Presence	Presence / Absence	143-05638
	Total Coliform Present / E-Coli Absent___Present_X_		
Sample ID #3	**Results**	**Units**	**Lab Number**
HB/DC OBS-1	Presence	Presence / Absence	143-05639
	Total Coliform Present / E-Coli Absent_X_Present___		

The City of Walla Walla's Mill Creek Water Treatment Laboratory will maintain records pertaining to reconstructing client's data for a minimum of five years from the date of issuance of the final report. Records may be destroyed after that .

POSTED

Signature Lab Director : Toni Krebs 5/29/08 (date)

APPROVED TO PAY

Troy Baker

CHARGE TO T-7.1 & 2.2

City Of Walla Walla
Water Plant Laboratory
581 Mill Creek Road
Walla Walla, WA 99362

Mill Creek Water Treatment Plant Laboratory

581 Mill Creek Road Walla Walla, WA 99362

Lab ID # : 143
Washington State ID : M1873
EPA ID # : WA 01177
Telephone : (509) 522-3775
Fax : (509) 529-9681

Date: 05/28/08

System ID / Name: Walla Walla Basin Watershed Council

Sampler: Troy Baker

Address: P.O. Box 68

City: Milton-Freewater

State: OR Zip Code: 97874

Amount Due: $75.00

Invoice Number: 8005

Date Collected: 5/27/08

Date Analyzed: 5/27/08

Lab Analyst: *Neher*

Test Methods Are Selected From The
Standard Methods For Examination Of Water and Wastewater ~ 20th Edition~

Test Method 9222D			
Sample ID #1	**Results**	**Units**	**Lab Number**
L-S1	TNTC	CFU's / 100 mL	143-05637
Sample ID #2	**Results**	**Units**	**Lab Number**
L-S2	TNTC	CFU's / 100 mL	143-05638
Sample ID #3	**Results**	**Units**	**Lab Number**
HB/DC OBS-1	0.0	CFU's / 100 mL	143-05639

The City of Walla Walla's Mill Creek Water Treatment Laboratory will maintain records pertaining to reconstructing client's data for a minimum of five years from the date of issuance of the final report. Records may be destroyed after that .

Signature Lab Director : Tom Krels 5/29/08 (date)

City Of Walla Walla
Water Plant Laboratory
581 Mill Creek Road
Walla Walla, WA 99362

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December 6, 2007

Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

RE: 07-16056 - Replacement Sample

Dear Project Manager,

Your project: Replacement Sample, was received on Tuesday December 04, 2007.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone me at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report
QC Reports
Chain of Custody

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Data Report

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Report Date: 12/6/2007
Reference Number: 07-16056
Project: Replacement Sample

Collected By:

Date Received: 12/4/2007
Peer Review: JJO

Lab Number: 36408 Sample Description: WWBWC - (R1595) Sample Date: 12/3/2007

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14797-55-8	**NITRATE-N**	**0.21**	0.100	0.015	mg/L	1.0	300.0	12/4/2007	BJ	I071204A	
16887-00-6	**CHLORIDE**	**0.8**	0.1	0.0097	mg/L	1.0	300.0	12/4/2007	BJ	I071204A	
14265-44-2	**ORTHO-PHOSPHATE**	**0.54**	0.01	0.005	mg/L	1.0	SM4500-P F	12/5/2007	SO	OPHOS-071205A	

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
D.F. - Dilution Factor

WSDOE Lab C1251
WSDOH Lab 046

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 07-16056
Report Date: 12/06/07

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
OPHOS-071205A	ORTHO-PHOSPHATE	1.05	1.00	mg/L	SM4500-P F	105	70-130		LFB	

*Notation:

covery = (Result of Analysis)/(True Value) * 100

Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 07-16056
Report Date: 12/06/07

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
I071204A	CHLORIDE	ND		mg/L	300.0		0.10000		LRB	
	NITRATE-N	ND		mg/L	300.0		0.10000			
OPHOS-071205A	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0.10000		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 07-16056
Report Date: 12/06/07

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
OPHOS-071205A	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0.10000		MB	

*Notation:

Recovery = (Result of Analysis)/(True Value) * 100

= Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 07-16056
Report Date: 12/06/07

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
I071204A	CHLORIDE	29	30.0	mg/L	300.0	97	80-120		QCS	
	NITRATE-N	2.36	2.50	mg/L	300.0	94	80-120			
OPHOS-071205A	ORTHO-PHOSPHATE	0.48	0.48	mg/L	SM4500-P F	100	70-130		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

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QUALITY CONTROL REPORT

Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Reference Number: 07-16056

Report Date: 12/6/2007

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
OPHOS-071205A									
	36408	ORTHO-PHOSPHATE	0.54	0.54	mg/L	**0.0**	0-50		DUP

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 07-16056
Report Date: 12/6/2007

EDGE ANALYTICAL LABORATORIES

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Comments
PHOS-071205A														
	36408	ORTHO-PHOSPHATE	0.54	1.47	1.50	1.00	mg/L	**93**	**96**	70-130	**3.2**	0-50	LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate samples with detections are listed in this report

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CARBAMATES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 07-15764

Project: HBDIC Recharge Project
Field ID: Observation well #1
Sample Description: @HBDIC Recharge
Sampled By:
Sample Date: 11/26/2007
Source Type:
Sampler Phone:

Lab Number: 04635782
Report Date: 11/29/2007
Date Analyzed: 11/28/2007
Extraction Date: 531_071128
Analyst: CO
Peer Review: MWA
Analytical Method: 531.2 Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
23135-22-0	OXYMAL	**ND**	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	**ND**	ug/L	1.0	0.87	40	
	EPA Unregulated						
1646-87-3	ALDICARB SULFOXIDE	**ND**	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	**ND**	ug/L	1.0	0.83		
16752-77-5	METHOMYL	**ND**	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFURAN	**ND**	ug/L	1.0	1.0		
116-06-3	ALDICARB	**ND**	ug/L	1.0	0.88		
63-25-2	CARBARYL	**ND**	ug/L	1.0	0.53		
	State Unregulated - Other						
114-26-1	PROPOXUR (BAYGON)	**ND**	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	**ND**	ug/L	1.0	0.76		

Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.
PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.
MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

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DATA REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 07-15764

Project: HBDIC Recharge Project
Field ID: Observation well #1
Sample Description: @HBDIC Recharge
Sampled By:
Sample Date: 11/26/2007
Source Type:
Sampler Phone:

Lab Number: 04635782
Report Date: 12/14/2007
Date Analyzed: 12/13/2007
Extraction Date: 508_071207
Analyst: MM/C(
Peer Review: MVA
Analytical Method: 508.1
Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	PCBs/Toxaphene						
1336-36-3	PCBS (Total Aroclors)	**ND**	ug/L	0.2		0.5	
11104-28-2	AROCLOR 1221	**ND**	ug/L	0.1	0.1^		
11141-16-5	AROCLOR 1232	**ND**	ug/L	0.1	0.1^		
53469-21-9	AROCLOR 1242	**ND**	ug/L	0.1	0.1^		
12672-29-6	AROCLOR 1248	**ND**	ug/L	0.1	0.1^		
11097-69-1	AROCLOR 1254	**ND**	ug/L	0.1	0.1^		
11096-82-5	AROCLOR 1260	**ND**	ug/L	0.1	0.08		
12674-11-2	AROCLOR 1016	**ND**	ug/L	0.1	0.1		
8001-35-2	TOXAPHENE	**ND**	ug/L	1	0.5	3	

= Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 07-15764

Project: HBDIC Recharge Project
Field ID: Observation well #1
Sample Description: @HBDIC Recharge
Sampled By:
Sample Date: 11/26/2007
Source Type:
Sampler Phone:

Lab Number: 04635782
Report Date: 12/13/2007
Date Analyzed: 12/10/2007
Extraction Date: 525_071207
Analyst: MM/CC
Peer Review: MVA
Analytical Method: 525.2
Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
1912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	ND	ug/L	0.1	0.012	0.2	
57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
	EPA Unregulated						
309-00-2 .	ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
	State Unregulated - Other						
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

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J - Estimated value.

ENCE ANALYTICAL LABORATORIES

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix
759-94-4	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
	- PAHs						
91-20-3	NAPTHALENE	ND	ug/L	0.1	0.1^		
86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1^		
120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
56-55-3	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1^		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
	- Phthalates						
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		

^ Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
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Microbiology | 360.671.0688 • 360.671.1577fax

HERBICIDES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 07-15764

Project: HBDIC Recharge Project
Field ID: Observation well #1
Sample Description: @HBDIC Recharge
Sampled By:
Sample Date: 11/26/2007
Source Type:
Sampler Phone:

Lab Number: 04635782
Report Date: 12/14/2007
Date Analyzed: 12/13/2007
Extraction Date: 515_071210
Analyst: JH/CO
Peer Review: MVA
Analytical Method: 515.1
Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
94-75-7	2,4 - D	**ND**	ug/L	0.2	0.11	70	
93-72-1	2,4,5 - TP (SILVEX)	**ND**	ug/L	0.1	0.02	50	
87-86-5	PENTACHLOROPHENOL	**ND**	ug/L	0.1	0.044	1	
75-99-0	DALAPON	**ND**	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	**ND**	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	**ND**	ug/L	0.1	0.089	500	
	EPA Unregulated						
1918-00-9	DICAMBA	**ND**	ug/L	0.1	0.045		
	State Unregulated						
1861-32-1	TOTAL (DCPA & Metabolites)	**ND**	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	**ND**	ug/L	0.1	0.1		
94-82-6	2,4 DB	**ND**	ug/L	0.8	0.10		
93-76-5	2,4,5 T	**ND**	ug/L	0.1	0.044		
25057-89-0	BENTAZON	**ND**	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	**ND**	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	**ND**	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	**ND**	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	**ND**	ug/L	0.1	0.044		

ND - Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
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PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.
MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.
J - Estimated value.

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Microbiology | 360.671.0688 • 360.671.1577fax

CARBAMATES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 07-15764

Project: HBDIC Recharge Project
Field ID: Intake
Sample Description: @HBDIC Recharge
Sampled By:
Sample Date: 11/26/2007
Source Type:
Sampler Phone:

Lab Number: 04635783
Report Date: 11/29/2007
Date Analyzed: 11/28/2007
Extraction Date: 531_071128
Analyst: CO
Peer Review: MWH
Analytical Method: 531.2 Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
23135-22-0	OXYMAL	**ND**	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	**ND**	ug/L	1.0	0.87	40	
	EPA Unregulated						
1646-87-3	ALDICARB SULFOXIDE	**ND**	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	**ND**	ug/L	1.0	0.83		
16752-77-5	METHOMYL	**ND**	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFURAN	**ND**	ug/L	1.0	1.0		
116-06-3	ALDICARB	**ND**	ug/L	1.0	0.88		
63-25-2	CARBARYL	**ND**	ug/L	1.0	0.53		
	State Unregulated - Other						
114-26-1	PROPOXUR (BAYGON)	**ND**	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	**ND**	ug/L	1.0	0.76		

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DATA REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 07-15764

Project: HBDIC Recharge Project
Field ID: Intake
Sample Description: @HBDIC Recharge
Sampled By:
Sample Date: 11/26/2007
Source Type:
Sampler Phone:

Lab Number: 04635783
Report Date: 12/14/2007
Date Analyzed: 12/13/2007
Extraction Date: 508_071207
Analyst: MM/CC
Peer Review: MVA
Analytical Method: 508.1
Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	PCBs/Toxaphene						
1336-36-3	PCBS (Total Aroclors)	**ND**	ug/L	0.2		0.5	
11104-28-2	AROCLOR 1221	**ND**	ug/L	0.1	0.1^		
11141-16-5	AROCLOR 1232	**ND**	ug/L	0.1	0.1^		
53469-21-9	AROCLOR 1242	**ND**	ug/L	0.1	0.1^		
12672-29-6	AROCLOR 1248	**ND**	ug/L	0.1	0.1^		
11097-69-1	AROCLOR 1254	**ND**	ug/L	0.1	0.1^		
11096-82-5	AROCLOR 1260	**ND**	ug/L	0.1	0.08		
12674-11-2	AROCLOR 1016	**ND**	ug/L	0.1	0.1		
8001-35-2	TOXAPHENE	**ND**	ug/L	1	0.5	3	

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 07-15764

Project: HBDIC Recharge Project
Field ID: Intake
Sample Description: @HBDIC Recharge
Sampled By:
Sample Date: 11/26/2007
Source Type:
Sampler Phone:

Lab Number: 04635783
Report Date: 12/13/2007
Date Analyzed: 12/10/2007
Extraction Date: 525_071207
Analyst: MM/C(
Peer Review: MVA
Analytical Method: 525.2
Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
1912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	ND	ug/L	0.1	0.012	0.2	
57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
	EPA Unregulated						
309-00-2	.ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
	State Unregulated - Other						
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix
759-94-4	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
	- PAHs						
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86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1^		
120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
56-55-3	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1^		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
	- Phthalates						
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL) if requested

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HERBICIDES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 07-15764

Project: HBDIC Recharge Project
Field ID: Intake
Sample Description: @HBDIC Recharge
Sampled By:
Sample Date: 11/26/2007
Source Type:
Sampler Phone:

Lab Number: 04635783
Report Date: 12/14/2007
Date Analyzed: 12/13/2007
Extraction Date: 515_071210
Analyst: JH/CO
Peer Review: MVA
Analytical Method: 515.1
Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
94-75-7	2,4 - D	**ND**	ug/L	0.2	0.11	70	
93-72-1	2,4,5 - TP (SILVEX)	**ND**	ug/L	0.1	0.02	50	
87-86-5	PENTACHLOROPHENOL	**ND**	ug/L	0.1	0.044	1	
75-99-0	DALAPON	**ND**	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	**ND**	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	**ND**	ug/L	0.1	0.089	500	
	EPA Unregulated						
1918-00-9	DICAMBA	**ND**	ug/L	0.1	0.045		
	State Unregulated						
1861-32-1	TOTAL (DCPA & Metabolites)	**ND**	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	**ND**	ug/L	0.1	0.1		
94-82-6	2,4 DB	**ND**	ug/L	0.8	0.10		
93-76-5	2,4,5 T	**ND**	ug/L	0.1	0.044		
25057-89-0	BENTAZON	**ND**	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	**ND**	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	**ND**	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	**ND**	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	**ND**	ug/L	0.1	0.044		

- Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
L- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
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J - Estimated value.

Fall 2007 HBDIC WQ

	HBDIC Recharge Project	Date Collected	Time	Date Received	Who	Total Nitrogen	COD	Nitrate-N	Conductivity	TDS	Chloride	Orthophosphate	Fecal Coliforms (CFUs)	EPA 525 SOC Package (EPA drinking tests: 525, 515,508, 531)	Comments
Observation Well #1	Operating, first WQ sampling of season	11/26/2007	9:15	11/27/2007	Bower/Lewis	ND	ND	X	77.6	73	X	X	1	No Detections	Bottle mix up orginally marked OBS 1 as Intake. It was corrected at Edge. Missing bottles meant missing some Basic Chemical samples. Resampled the next week.
Intake Structure	Operating, first WQ sampling of season	11/26/2007	9:30	11/27/2007	Bower/Lewis	ND	ND	ND	79.9	68	0.7	0.57	11/14.0 (duplicate)	No Detections	x
Observation Well #1 (replacement sample)	Operating, first WQ sampling of season	12/3/2007	9:00	12/4/2007	Lewis			0.21			0.8	0.54			Quality Control Lab report included in appendices of data.

table for HBDIC monitoring files

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Data Report

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Report Date: 12/14/2007
Reference Number: 07-15764
Project: HBDIC Recharge Project

Collected By:

Date Received: 11/27/2007
Peer Review:

Lab Number: 35782 Sample Description: Observation well #1 - @HBDIC Recharge Sample Date: 11/26/2007

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
E-10264	**TOTAL KJELDAHL NITROGEN**	**ND**	0.5	0.1391	mg/L	1.0	SM4500-Norg C	12/4/2007	SO	TKN-071204	
E-10117	**CHEMICAL OXYGEN DEMAND**	**ND**	8.0	1.00	mg/L	1.0	SM5220 D	12/4/2007	MAK	COD_071204	
E-10184	**ELECTRICAL CONDUCTIVITY**	**77.6**	10	10	uS/cm	1.0	SM2510 B	11/30/2007	CCN	EC_071130	
E-10173	**TOTAL DISSOLVED SOLIDS**	**73**	10	10	mg/L	1.0	SM2540 C	11/30/2007	CCN	TDS_071130	

Lab Number: 35783 Sample Description: Intake - @HBDIC Recharge Sample Date: 11/26/2007

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
E-10264	**TOTAL KJELDAHL NITROGEN**	**ND**	0.5	0.1391	mg/L	1.0	SM4500-Norg C	12/4/2007	SO	TKN-071204	
E-10117	**CHEMICAL OXYGEN DEMAND**	**ND**	8.0	1.00	mg/L	1.0	SM5220 D	12/4/2007	MAK	COD_071204	
14797-55-8	**NITRATE-N**	**ND**	0.100	0.015	mg/L	1.0	300.0	11/27/2007	BJ	I071127A	
16887-00-6	**CHLORIDE**	**0.7**	0.1	0.0097	mg/L	1.0	300.0	11/27/2007	BJ	I071127A	
E-10184	**ELECTRICAL CONDUCTIVITY**	**79.9**	10	10	uS/cm	1.0	SM2510 B	11/28/2007	CCN	EC_071128	
E-10173	**TOTAL DISSOLVED SOLIDS**	**68**	10	10	mg/L	1.0	SM2540 C	11/30/2007	CCN	TDS_071130	
14265-44-2	**ORTHO-PHOSPHATE**	**0.57**	0.01	0.005	mg/L	1.0	SM4500-P F	11/28/2007	SO	OPHOS-071128	

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
D.F. - Dilution Factor

WSDOE Lab C1251
WSDOH Lab 046

Page 1 of 2

2,680

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

Report to: Walla Walla Basin Watershed Coor.	Bill to: Walla Walla Basin Watershed County	For Lab Use Only	
Ship Address: 810 S Main Street	Address: 810 S Main Street	Ref #	
City: Milton-Freewt St: OR Zip: 97862	City: Milton-Freewa St: OR Zip: 97862	Check Regulatory Program	
Attn: Bob Bower	Phone: FAX:	☐ Safe Drinking Water Act	
Phone: 541.938.2170 FAX	P.O.#: Attn:	☐ Clean Water Act	
Email: bob.bower@wwbwc.org	☐ Visa ☐ M/C ☐ A/E Expires: /	☐ RCRA / CERCLA	
Project:	Card#:	☐ Other	

EDGE ANALYTICAL
The lab you can trust

1620 S. Walnut St.
Burlington, WA 98233
1.800.755.9295

805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

Instructions

1. Use one line per sample.
2. Be specific in analysis requests.
3. Check off analyses to be performed for each sample.
4. Enter number of containers.

Turn Around Time Required

- ☒ Standard
- ☐ Half-time (50% surcharge)
- ☐ Quickest (100% surcharge)
- ☐ Other

Analyses Requested

	Field ID	Location	Grab/ Comp.	Matrix	Date	Time	SOC Package	TKN, COD	NO3, o-PO4, Cl, TDS	1 Set HCl Green caps only					Number of Containers
1	INTAKE	INTAKE AT RODI RECHARGE			11/26/2	9:30	☒	☒	☒	☒	☐	☐	☐	☐	1
2	observation						☐	☐	☐	☐	☐	☐	☐	☐	
3	well #1 (OBS	observation well			11/26/2	9:15	☒	☒	☒	☒	☐	☐	☐	☐	
4							☐	☐	☐	☐	☐	☐	☐	☐	
5							☐	☐	☐	☐	☐	☐	☐	☐	
6							☐	☐	☐	☐	☐	☐	☐	☐	
7							☐	☐	☐	☐	☐	☐	☐	☐	
8							☐	☐	☐	☐	☐	☐	☐	☐	
9							☐	☐	☐	☐	☐	☐	☐	☐	
10							☐	☐	☐	☐	☐	☐	☐	☐	

CO002680

Special Instructions Conditions on Receipt

1 - duplicate on INTAKE

Sampled by: Bill Lester Phone: 541 938 2170 FAX: same email: bob.bower@wwbwc.org Total Containers: 1 of 1

Sample Receipt Request (Must include FAX or Email) ☐

Relinquished by	Date	Time	Received by	Date	Time

	Yes	No	N/A
Custody seals intact	☐	☐	☐
Sample temp_____C satisfactory	☐	☐	☐
Samples received intact	☐	☐	
Chain of custody & labels agree	☐	☐	

548.2 Endothall $130
547 Glyphosate $118
549 Diquat $141
UCMR 2 List 1 (EPA 527, 529) $575
UCMR 2 List 2 (EPA 525.2, 535, 521) $865
Nitrosamines (521) for DSMRT $300

Nitrate $18
Chloride $18
Arsenic $18
Lead and Copper Rule (Special Sampling) $22
Total Organic Carbon (TOC) $$$
Complete Inorganics $289

CO002680

Questions for State Regulations

Questions regarding drinking water regulations, system monitoring requirements, and sampling information as to location, source type or

SW Regional Office – Belle Fuchs (360) 586-5179
NW Regional Office – Steve Hulsman (253) 395-6750

07-15764
35782 - 35783

FAX NO. :15419382170 Nov. 27 2007 11:59AM P2

EDGE ANALYTICAL
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Burlington WA (Corporate Office) | 1620 S. Walnut St. – 98233 | 800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA | 805 Orchard Dr Suite 4 – 98225 | 360.715-1212• 360.671.1577fax

Water Sample Information (WSI) Inorganic & Organic Chemical Analysis

Client & Billing Information

Report To:	**Bob Bower**	Bill To:	**Walla Walla Basin Watershed Council**
Ship Address:	**810 S Main Street**	Address:	**810 S Main Street**
City:	**Milton-Freewater** St: **OR** Zip: **97862**	City:	**Milton-Freewater** St: **OR** Zip: **97862**
Phone:	**541.938-2170** Fax:	Phone:	
Email:	**bob.bower@wwwbwc.org**	P.O.#	
Contact:	**Bob Bower**	☐ Visa ☐ M/C ☐ A/E	Expires /
Project		Card #	

General Sampling Information

1. Date Collected: 11/26/7 Time Collected: 9:30-9:50 ☒ AM ☐ PM
2. Collected By: W Lewis Telephone: 5419382170
3. Specific Location: INTAKE structure @ HBDIC Recharge Project

Public Water System (Fill out Form Completely)

4. System ID Number: —
5. DOH Source Number: ☐ Check here if this a New Source.
   (If sample is blended form more than one source, list all.)
6. Group: ☐ A ☐ B
7. System Name:
8. Source Type: ☒ Surface ☐ Well/Ground Water ☐ Well Field ☐ Spring ☐ Purchased
9. County: Umatilla
10. ☐ Check here if this analysis is for Compliance with State regulations for Public Water Systems. (Resluts will be sent to you and the State.)
11. Sample taken: ☒ Before Treatment ☐ After Treatment ☐ No Treatment ☐ In Distribution
12. Utility's Name for this source:
13. Treatment Type: ☒ None ☐ Aeration ☐ Filration ☐ Chlorination ☐ Fluoridation ☐ Softener ☐ Other
14. **COMPOSITE INFORMATION** (Applies to Multiple Sources Only) If sample is to be composited in lab, list all sources.
    If you want the lab to composite samples from your system **INITIAL here** _____.
    1. 2. 3. 4. 5. 6.
15. Remarks:

Analysis To Perform (Please Check Box)

Frequently requested tests are listed below. For others, please list under Other Analysis.

☐ SOC Package (525.2, 515.1, 531.1)	$590	☐ Snohomish County Building Permit	$157	☐ Radium 228	$90
☐ 525.2 Pesticides	$295	☐ Whatcom County Building Permit	$157	☐ Gross Alpha & Beta	$95
☐ 515.1 Herbicides	$186	☐ Skagit County Building Permit	$157	☐ EWS Well Report	$210
☐ 531.1 Carbamates	$215	☐ Island County Building Permit	$44	☐ **Other Analysis** (Please List)	
☐ 524.2 Volatile Organic Compounds	$175	☐ San Juan County Building Permit	$93		
☐ 504.1 EDB, DBCP/1,2,3-TCP	$105	☐ King County Building Permit	$34	_____	
☐ 552.2 Haloacetic Acids	$140	☐ ***Discounted Nuisance Test***	$18	_____	
☐ 524.2 Trihalomethanes (THM)	$81	*(Only with Snohomish, Whatcom, Skagit or San Juan Bldg. Permit)*		_____	
☐ 510.1 Maximum Total Trihalomethanes Potential	$125	☐ Nuisance Test (Hardness, Iron, Manganese, pH)	$44	_____	
☐ 548.2 Endothall	$130	☐ Nitrate	$18		
☐ 547 Glyphosate	$118	☐ Chloride	$18		
☐ 549 Diquat	$141	☐ Arsenic	$18		
☐ UCMR 2 List 1(EPA 527, 529)	$575	☐ Lead and Copper Rule **(Special Sampling)**	$22		
☐ UCMR 2 List 2 (EPA 525.2, 535, 521)	$865	☐ Total Organic Carbon (TOC)	$38		
☐ Nitrosamines (521) for DSMRT	$300	☐ Complete Inorganics	$289		

CO002680

Questions for State Regulations

Questions regarding drinking water regulations, system monitoring requirements, and sampling information as to location, source type or method should be directed to:

SW Regional Office – Belle Fuchs (360) 586-5179
NW Regional Office – Steve Hulsman (253) 395-6750
Eastern Regional Office – Anita Waterman (509) 456-2475

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Burlington WA (Corporate Office) | 1620 S. Walnut St. – 98233 | 800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA | 805 Orchard Dr Suite 4 – 98225 | 360.715-1212• 360.671.1577fax

Water Sample Information (WSI) Inorganic & Organic Chemical Analysis

Client & Billing Information

Report To:	**Bob Bower**	Bill To:	**Walla Walla Basin Watershed Council**
Ship Address:	**810 S Main Street**	Address:	**810 S Main Street**
City:	**Milton-Freewater** St: **OR** Zip: **97862**	City:	**Milton-Freewater** St: **OR** Zip: **97862**
Phone:	**541.938-2170** Fax:	Phone:	
Email:	**bob.bower@wwwbwc.org**	P.O.#	
Contact:	**Bob Bower**	☐ Visa ☐ M/C ☐ A/E	Expires /
Project		Card #	

General Sampling Information

1. Date Collected: 11/27/7 Time Collected: 9:15-9:30 ☒ AM ☐ PM
2. Collected By: W Lewis Telephone: 5419382170
3. Specific Location: OBSERVATION WELL #1 @ HBDIC Recharge Project

Public Water System (Fill out Form Completely)

4. System ID Number: —
5. DOH Source Number: ☐ Check here if this a New Source.
   (If sample is blended form more than one source, list all.)
6. Group: ☐ A ☐ B
7. System Name: HBDIC Recharge
8. Source Type: ☐ Surface ☒ Well/Ground Water ☐ Well Field ☐ Spring ☐ Purchased
9. County:
10. ☐ Check here if this analysis is for Compliance with State regulations for Public Water Systems. (Resluts will be sent to you and the State.)
11. Sample taken: ☒ Before Treatment ☐ After Treatment ☐ No Treatment ☐ In Distribution
12. Utility's Name for this source:
13. Treatment Type: ☒ None ☐ Aeration ☐ Filration ☐ Chlorination ☐ Fluoridation ☐ Softener ☐ Other
14. **COMPOSITE INFORMATION** (Applies to Multiple Sources Only) If sample is to be composited in lab, list all sources. If you want the lab to composite samples from your system **INITIAL here** _____.
    1. 2. 3. 4. 5. 6.
15. Remarks:

Analysis To Perform (Please Check Box)

Frequently requested tests are listed below. For others, please list under Other Analysis.

☐ SOC Package (525.2, 515.1, 531.1)	$590	☐ Snohomish County Building Permit	$157	☐ Radium 228	$90
☐ 525.2 Pesticides	$295	☐ Whatcom County Building Permit	$157	☐ Gross Alpha & Beta	$95
☐ 515.1 Herbicides	$186	☐ Skagit County Building Permit	$157	☐ EWS Well Report	$210
☐ 531.1 Carbamates	$215	☐ Island County Building Permit	$44	☐ **Other Analysis** (Please List)	
☐ 524.2 Volatile Organic Compounds	$175	☐ San Juan County Building Permit	$93		
☐ 504.1 EDB, DBCP/1,2,3-TCP	$105	☐ King County Building Permit	$34		
☐ 552.2 Haloacetic Acids	$140	☐ ***Discounted Nuisance Test***	$18		
☐ 524.2 Trihalomethanes (THM)	$81	*(Only with Snohomish, Whatcom, Skagit or San Juan Bldg. Permit)*			
☐ 510.1 Maximum Total Trihalomethanes Potential	$125	☐ Nuisance Test (Hardness, Iron, Manganese, pH)	$44		
☐ 548.2 Endothall	$130	☐ Nitrate	$18		
☐ 547 Glyphosate	$118	☐ Chloride	$18		
☐ 549 Diquat	$141	☐ Arsenic	$18		
☐ UCMR 2 List 1(EPA 527, 529)	$575	☐ Lead and Copper Rule **(Special Sampling)**	$22		
☐ UCMR 2 List 2 (EPA 525.2, 535, 521)	$865	☐ Total Organic Carbon (TOC)	$38		
☐ Nitrosamines (521) for DSMRT	$300	☐ Complete Inorganics	$289		

CO002680

Questions for State Regulations

Questions regarding drinking water regulations, system monitoring requirements, and sampling information as to location, source type or method should be directed to:

SW Regional Office – Belle Fuchs (360) 586-5179
NW Regional Office – Steve Hulsman (253) 395-6750
Eastern Regional Office – Anita Waterman (509) 456-2475

Mill Creek Water Treatment Plant Laboratory

581 Mill Creek Road Walla Walla, WA 99362

Lab ID # : 143
Washington State ID : M1873
EPA ID # : WA 01177
Telephone : (509) 522-3775
Fax : (509) 529-9681

Date: 12/18/07

System ID / Name: Walla Walla Basin Watershed Council

Amount Due: $75.00

Sampler: Bob Bower

Invoice Number: 7003

Address: P.O. Box 68

Date Collected: 11/26/07

City: Milton-Freewater

Date Analyzed: 11/26/07

State: Oregon Zip Code: 97862

Lab Analyst: Skifstad

Test Methods Are Selected From The
Standard Methods For Examination Of Water and Wastewater ~ 20th Edition~

Test Method 9222D				
Sample ID #1	**Results**		**Units**	**Lab Number**
OBS #1	1.0		CFU's / 100 mL	143-04967
Sample ID #2	**Results**		**Units**	**Lab Number**
Intake #1A	11.0		CFU's / 100 mL	143-04968
Sample ID #3	**Results**		**Units**	**Lab Number**
Intake #1B	14.0		CFU's / 100 mL	143-04969

The City of Walla Walla's Mill Creek Water Treatment Laboratory will maintain records pertaining to reconstructing client's data for a minimum of five years from the date of issuance of the final report. Records may be destroyed after that .

Signature Lab Director : Tom Krelas 12/19/07 (date)

City Of Walla Walla
Water Plant Laboratory
581 Mill Creek Road
Walla Walla, WA 99362

CITY OF WALLA WALLA

MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road • Walla Walla, WA 99362
Phone 509/522-3775 • Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected (Month Day Year)	Time Sample Collected	County
11/26/07	9:30 ☒ AM ☐ PM	Walla Walla

Type of Water System (check only one box)
☑ Group A Public ☐ Private Household
☐ Group B Public ☐ Other

Group A and Group B Systems – Provide from Water Facilities Inventory (WFI):
ID# 9 2 5 0 0 2
System Name: Walla Walla
Contact Person: Tom Krebs
Day Phone: (509) 522-3775 Cell Phone: (509) 520-6059
Eve. Phone: (509) 529-8555 FAX: (509) 529-9681
Send results to: (Print full name, address and zip code)
City of Walla Walla (Water Dept.)
P.O. Box 478
Walla Walla, WA 99362

SAMPLE INFORMATION

Sample collected by (name): BOB BOWER
Specific location where sample collected (address or sample site, and type of faucet): INTAKE
Special instructions or comments:

Type of Sample (must check only **one** box of #1 through #4 listed below)

1. ☐ **Routine Distribution Sample**
Provide information below.
Chlorinated: Yes_____ No_____
Chlorine Residual: Total_____ Free_____

2. ☐ **Repeat Sample (follow-up to an unsatisfactory sample)**
Provide information below.
Unsatisfactory routine lab number:
_ _ _ _ _ _ _ _
Unsatisfactory routine collect date:
_____/_____/_____
Chlorinated: Yes_____ No_____
Chlorine Residual: Total_____ Free_____

3. ☐ **Raw Water Source Sample**
Required for Surface Water, GWI, and some Spring Sources) ☐ Total Coliform
S | | | | ☐ Fecal Coliform
Public Systems must provide Source Number from (WFI)

4. ☒ **Sample Collected for Information Only** (MFC)
Construction_____ Repairs_____ Private Residence_____ Other X

LAB USE ONLY — DRINKING WATER RESULTS — LAB USE ONLY

☐ **Satisfactory**
Total Coliform Absent

☐ **Unsatisfactory**
Total Coliform Present **and**
☐ E.coli present ☐ E.coli absent
☐ Fecal coliform present ☐ Fecal coliform absent

☐ **Replacement Sample Required**

Sample not tested because:
☐ Sample too old (>30 hours)
☐ Improper container
☐ _____

Test unsuitable because:
☐ TNTC
☐ Turbid culture
☐ _____

Bacterial Density Results: Plate Count_____/ml. E.coli_____/100ml.
Total Coliform_____/100ml. Fecal Coliform 1.0 /100ml.

MICR Method Code: ☒ 1140 ☐ 1340 ☐ 2720
Date and Time Received: 11/26/07 @ 10:20 AM
Date Analyzed: 11/26/07 (CS)
Date Reported: 11/27/07
Lab/Sample Number: 143- 04968
Lab Use:

DOH Form #331-319 (revised 5/06) SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS
WATER SUPPLIER COPY

CITY OF WALLA WALLA

MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road • Walla Walla, WA 99362
Phone 509/522-3775 • Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected (Month Day Year)	Time Sample Collected	County
11/26/08	9:15 ☒ AM ☐ PM	Walla Walla

Type of Water System (check only one box)
☑ Group A Public ☐ Private Household
☐ Group B Public ☐ Other

Group A and Group B Systems – Provide from Water Facilities Inventory (WFI):
ID# 9 2 5 0 0 2
System Name: Walla Walla
Contact Person: Tom Krebs
Day Phone: (509) 522-3775 Cell Phone: (509) 520-6059
Eve. Phone: (509) 529-8555 FAX: (509) 529-9681
Send results to: (Print full name, address and zip code)
City of Walla Walla (Water Dept.)
P.O. Box 478
Walla Walla, WA 99362

SAMPLE INFORMATION

Sample collected by (name): BOB BOWER
Specific location where sample collected (address or sample site, and type of faucet): OBS #1
Special instructions or comments:

Type of Sample (must check only **one** box of #1 through #4 listed below)

1. ☐ **Routine Distribution Sample**
Provide information below.
Chlorinated: Yes_____ No_____
Chlorine Residual: Total_____ Free_____

2. ☐ **Repeat Sample (follow-up to an unsatisfactory sample)**
Provide information below.
Unsatisfactory routine lab number:
_ _ _ _ _ _ _ _
Unsatisfactory routine collect date:
_____/_____/_____
Chlorinated: Yes_____ No_____
Chlorine Residual: Total_____ Free_____

3. ☐ **Raw Water Source Sample**
Required for Surface Water, GWI, and some Spring Sources) ☐ Total Coliform
S | | | | ☐ Fecal Coliform
Public Systems must provide Source Number from (WFI)

4. ☒ **Sample Collected for Information Only** (MFC)
Construction_____ Repairs_____ Private Residence_____ Other X

LAB USE ONLY — DRINKING WATER RESULTS — LAB USE ONLY

☐ **Satisfactory**
Total Coliform Absent

☐ **Unsatisfactory**
Total Coliform Present **and**
☐ E.coli present ☐ E.coli absent
☐ Fecal coliform present ☐ Fecal coliform absent

☐ **Replacement Sample Required**

Sample not tested because:
☐ Sample too old (>30 hours)
☐ Improper container
☐ _____

Test unsuitable because:
☐ TNTC
☐ Turbid culture
☐ _____

Bacterial Density Results: Plate Count_____/ml. E.coli_____/100ml.
Total Coliform_____/100ml. Fecal Coliform 1.0 /100ml.

MICR Method Code: ☒ 1140 ☐ 1340 ☐ 2720
Date and Time Received: 11/26/07 @ 10:20 AM
Date Analyzed: 11/26/07 (CS)
Date Reported: 11/27/07
Lab/Sample Number: 143- 04967
Lab Use:

DOH Form #331-319 (revised 5/06) SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS
WATER SUPPLIER COPY

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

-,680

Report to:	Walla Walla Basin Watershed Cour	Bill to:	Walla Walla Basin Watershed Counc
Ship Address:	810 S Main Street	Address:	810 S Main Street
City:	Milton-Freewa St: OR Zip: 97862	City:	Milton-Freewa St: OR Zip: 97862
Attn:	Bob Bower	Phone:	FAX:
Phone:	541.938-2170 FAX:	P.O.#:	Attn:
Email:	bob.bower@wwwbwc.org	☐ Visa ☐ M/C ☐ A/E	Expires /
Project		Card#:	

For Lab Use Only
Ref #

Check Regulatory Program
- ☐ Safe Drinking Water Act
- ☐ Clean Water Act
- ☐ RCRA / CERCLA
- ☐ Other

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1620 S. Walnut St.
Burlington, WA 98233
1.800.755.9295

805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

Instructions
1. Use one line per sample.
2. Be specific in analysis requests.
3. Check off analyses to be performed for each sample.
4. Enter number of containers.

Turn Around Time Required
- ☒ Standard
- ☐ Half-time (50% surcharge)
- ☐ Quickest (100% surcharge)
- ☐ Other

Analyses Requested

CO002680

	Field ID	Location	Grab/ Comp.	Matrix	Date	Time	SOC Package	TKN, COD	NO3, o-PO4, Cl, TDS	1 Set HCL Green caps only.					Number of Containers	Special Instructions Conditions on Receipt
1	INTAKE	INTAKE AT HBDIC	GRAB		11/26/2	9:30	X	X	X	X					1	Duplicate on TKP...
2	observation well #1 (OBS	observation well			11/26/2	9:15	X	X	X	X						
3																
4																
5																
6																
7																
8																
9																
10																

Sampled by: Will Lewis Phone: 541 938 2170 FAX: same Email: bob.bower@wwbw... Total Containers: 3 of 3

Sample Receipt Request (Must include FAX or Email) ☐

Relinquished by	Date	Time	Received by	Date	Time

	Yes	No	N/A
Custody seals intact	☐	☐	☐
Sample temp_____C satisfactory	☐	☐	☐
Samples received intact	☐	☐	
Chain of custody & labels agree	☐	☐	

ANALYTICAL LABORATORIES

Burlington WA | 1620 S Walnut St - 98233
Corporate Office | 800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA | 805 Orchard Dr Suite 4 - 98225
Microbiology | 360.671.0688 • 360.671.1577fax

July 9, 2008

Bob Bower
Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

RE: 08-07095 - Locker/Hall Wetland/HBBIC

Dear Bob Bower,

Your project: Locker/Hall Wetland/HBBIC, was received on Wednesday May 28, 2008.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone me at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report
QC Reports
Chain of Custody

EDGE ANALYTICAL LABORATORIES

Burlington WA | 1620 S Walnut St - 98233
Corporate Office | 800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA | 805 Orchard Dr Suite 4 - 98225
Microbiology | 360.671.0688 • 360.671.1577fax

Data Report

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Report Date: 6/16/2008
Reference Number: 08-07095
Project: Locker/Hall Wetland/HBBIC

Collected By: T. Baker

Date Received: 5/28/2008
Peer Review:

Lab Number: 15124 Sample Description: HBDIC OBS1 - HBDIC Sample Date: 5/27/2008

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14797-55-8	NITRATE-N	0.17	0.01	0.0007	mg/L	1.0	SM4500-NO3 F	5/28/2008	SO	NO3NO2-080528	
15541-45-4	BROMATE	ND	0.5	0.068	ug/L	1.0	317.0	6/6/2008	MVP	317_080606A	
E-11778	HARDNESS	22.1	3.30	0.055	mg CaC(	1.0	200.7	5/30/2008	BJ	200.7-080530A	
E-10117	CHEMICAL OXYGEN DEMAND	11	8.0	2.0	mg/L	1.0	SM5220 D	6/4/2008	MAK	COD_080604	
E-10139	HYDROGEN ION (pH)	7.18			pH Units	1.0	SM4500-H+ B	5/28/2008	CCN	PH_080528	
E-10184	ELECTRICAL CONDUCTIVITY	63.4	10		uS/cm	1.0	SM2510 B	6/2/2008	CCN	EC_080602	
E-10617	TURBIDITY	0.88	0.05	0.02	NTU	1.0	180.1	5/28/2008	CCN	TURB_080528	
16887-00-6	CHLORIDE	0.5	0.1	0.012	mg/L	1.0	300.0	5/28/2008	BJ	I080528A	
E-10173	TOTAL DISSOLVED SOLIDS	61	10		mg/L	1.0	SM2540 C	6/2/2008	CCN	TDS_080602	
14265-44-2	ORTHO-PHOSPHATE	0.17	0.01	0.005	mg/L	1.0	SM4500-P F	5/28/2008	SO	OPHOS-080528	

Lab Number: 15125 Sample Description: L-1 - Locker Rd Sample Date: 5/27/2008

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14797-55-8	NITRATE-N	5.86	0.05	0.0007	mg/L	5.0	SM4500-NO3 F	5/28/2008	SO	NO3NO2-080528	
16887-00-6	CHLORIDE	6.7	0.1	0.012	mg/L	1.0	300.0	5/28/2008	BJ	I080528A	
E-10173	TOTAL DISSOLVED SOLIDS	262	10		mg/L	1.0	SM2540 C	6/2/2008	CCN	TDS_080602	
15541-45-4	BROMATE	ND	0.5	0.068	ug/L	1.0	317.0	6/6/2008	MVP	317_080606A	
E-11778	HARDNESS	156	3.30	0.055	mg CaC(	1.0	200.7	5/30/2008	BJ	200.7-080530A	
E-10117	CHEMICAL OXYGEN DEMAND	ND	8.0	2.0	mg/L	1.0	SM5220 D	6/4/2008	MAK	COD_080604	
E-10139	HYDROGEN ION (pH)	7.00			pH Units	1.0	SM4500-H+ B	5/28/2008	CCN	PH_080528	
E-10184	ELECTRICAL CONDUCTIVITY	401	10		uS/cm	1.0	SM2510 B	6/2/2008	CCN	EC_080602	
E-10617	TURBIDITY	0.79	0.05	0.02	NTU	1.0	180.1	5/28/2008	CCN	TURB_080528	
14265-44-2	ORTHO-PHOSPHATE	0.27	0.01	0.005	mg/L	1.0	SM4500-P F	5/28/2008	SO	OPHOS-080528	

Lab Number: 15126 Sample Description: L-2 - Locker Rd Sample Date: 5/27/2008

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
14797-55-8	NITRATE-N	5.96	0.05	0.0007	mg/L	5.0	SM4500-NO3 F	5/28/2008	SO	NO3NO2-080528	
16887-00-6	CHLORIDE	6.5	0.1	0.012	mg/L	1.0	300.0	5/28/2008	BJ	I080528A	
E-10173	TOTAL DISSOLVED SOLIDS	205	10		mg/L	1.0	SM2540 C	6/2/2008	CCN	TDS_080602	
15541-45-4	BROMATE	ND	0.5	0.068	ug/L	1.0	317.0	6/11/2008	MVP	317_080611A	
E-11778	HARDNESS	117	3.30	0.055	mg CaC(	1.0	200.7	5/30/2008	BJ	200.7-080530A	
E-10117	CHEMICAL OXYGEN DEMAND	10	8.0	2.0	mg/L	1.0	SM5220 D	6/4/2008	MAK	COD_080604	
E-10139	HYDROGEN ION (pH)	6.93			pH Units	1.0	SM4500-H+ B	5/28/2008	CCN	PH_080528	

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ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
D.F. - Dilution Factor

WSDOE Lab C1251
WSDOH Lab 046

FORM: MULT_RESULT

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DATA REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC
Field ID: HBDIC OBS1
Sample Description: HBDIC
Sampled By: T. Baker
Sample Date: 5/27/2008
Source Type:
Sampler Phone:

Lab Number: 04615124
Report Date: 6/10/2008
Date Analyzed: 6/9/2008
Extraction Date: 508_080609
Analyst: GEB
Peer Review:
Analytical Method: 508.1
Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	PCBs/Toxaphene						
1336-36-3	PCBS (Total Aroclors)	ND	ug/L	0.2		0.5	
11104-28-2	AROCLOR 1221	ND	ug/L	0.1	0.1^		
11141-16-5	AROCLOR 1232	ND	ug/L	0.1	0.1^		
53469-21-9	AROCLOR 1242	ND	ug/L	0.1	0.1^		
12672-29-6	AROCLOR 1248	ND	ug/L	0.1	0.1^		
11097-69-1	AROCLOR 1254	ND	ug/L	0.1	0.1^		
11096-82-5	AROCLOR 1260	ND	ug/L	0.1	0.08		
12674-11-2	AROCLOR 1016	ND	ug/L	0.1	0.1		
8001-35-2	TOXAPHENE	ND	ug/L	1	0.5	3	

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.

MCL- Maximum Contaminant Level, maximum permissible level of a contaminant in water established by EPA, NPDWR. State Advisory Level (SAL) for Unregulated compounds.
A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.

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CARBAMATES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC
Field ID: HBDIC OBS1
Sample Description: HBDIC
Sampled By: T. Baker
Sample Date: 5/27/2008
Source Type:
Sampler Phone:

Lab Number: 04615124
Report Date: 6/16/2008
Date Analyzed: 6/11/2008
Extraction Date: 531_080611
Analyst: CO
Peer Review: MVA
Analytical Method: 531.2 Carbamates

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
23135-22-0	OXYMAL	ND	ug/L	1.0	0.81	200	
1563-66-2	CARBOFURAN	ND	ug/L	1.0	0.87	40	
	EPA Unregulated						
1646-87-3	ALDICARB SULFOXIDE	ND	ug/L	1.0	0.71		
1646-88-4	ALDICARB SULFONE	ND	ug/L	1.0	0.83		
16752-77-5	METHOMYL	ND	ug/L	1.0	0.86		
16655-82-6	3-HYDROXYCARBOFURAN	ND	ug/L	1.0	1.0		
116-06-3	ALDICARB	ND	ug/L	1.0	0.88		
63-25-2	CARBARYL	ND	ug/L	1.0	0.53		
	State Unregulated - Other						
114-26-1	PROPOXUR (BAYGON)	ND	ug/L	1.0	0.72		
2032-65-7	METHIOCARB	ND	ug/L	1.0	0.76		

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A blank MCL or SAL value indicates a level is not currently established.

PQL - Practical Quantitation Limit is the concentration of the standard analyzed during the initial calibration.

MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.

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HERBICIDES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC
Field ID: HBDIC OBS1
Sample Description: HBDIC
Sampled By: T. Baker
Sample Date: 5/27/2008
Source Type:
Sampler Phone:

Lab Number: 04615124
Report Date: 6/26/2008
Date Analyzed: 6/18/2008
Extraction Date: 515_080602
Analyst: CO
Peer Review: MU A
Analytical Method: 515.1
Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
94-75-7	2,4 - D	ND	ug/L	0.2	0.11	70	
93-72-1	2,4,5 - TP (SILVEX)	ND	ug/L	0.1	0.02	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.1	0.044	1	
75-99-0	DALAPON	ND	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	ND	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	ND	ug/L	0.1	0.089	500	
	EPA Unregulated						
1918-00-9	DICAMBA	ND	ug/L	0.1	0.045		
	State Unregulated						
1861-32-1	TOTAL (DCPA & Metabolites)	ND	ug/L	0.1	0.089		
E-14-02-8	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5 T	ND	ug/L	0.1	0.044		
25057-89-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		

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SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 08-07095

Project: Locker/Hall Wetland/HBBIC
Field ID: HBDIC OBS1
Sample Description: HBDIC
Sampled By: T. Baker
Sample Date: 5/27/2008
Source Type:
Sampler Phone:

Lab Number: 15124
Report Date: 7/3/2008
Date Analyzed: 6/16/2008
Extraction Date: 525_080609
Analyst: CO
Peer Review: MVA
Analytical Method: 525.2
Synthetic Organics

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
	EPA Regulated						
72-20-8	ENDRIN	ND	ug/L	0.1	0.030	2	
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
72-43-5	METHOXYCHLOR	ND	ug/L	0.1	0.015	40	
15972-60-8	ALACHLOR	ND	ug/L	0.1	0.044	2	
1912-24-9	ATRAZINE	ND	ug/L	0.1	0.030	3	
50-32-8	BENZO(A)PYRENE	ND	ug/L	0.1	0.012	0.2	
57-74-9	CHLORDANE, TECHNICAL	ND	ug/L	0.1	0.3	2	
103-23-1	DI(ETHYLHEXYL)-ADIPATE	ND	ug/L	0.1	0.022	400	
117-81-7	DI(ETHYLHEXYL)-PHTHALATE	ND	ug/L	0.1	0.063	6	
76-44-8	HEPTACHLOR	ND	ug/L	0.1	0.022	0.4	
1024-57-3	HEPTACHLOR EPOXIDE	ND	ug/L	0.1	0.02	0.2	
118-74-1	HEXACHLOROBENZENE	ND	ug/L	0.1	0.025	1	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	ug/L	0.1	0.024	50	
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.4	0.08	1	screening only / compliance by 515.1
	EPA Unregulated						
309-00-2	ALDRIN	ND	ug/L	0.1	0.022		
23184-66-9	BUTACHLOR	ND	ug/L	0.1	0.024		
60-57-1	DIELDRIN	ND	ug/L	0.1	0.031		
51218-45-2	METOLACHLOR	ND	ug/L	0.1	0.024		
21087-64-9	METRIBUZIN	ND	ug/L	0.1	0.030		
1918-16-7	PROPACHLOR	ND	ug/L	0.1	0.031		
	State Unregulated - Other						
314-40-9	BROMACIL	ND	ug/L	0.1	0.031		
5902-51-2	TERBACIL	ND	ug/L	0.1	0.043		

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MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	Units	PQL	MDL	MCL	COMMENT
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		Unstable in Acidified Sample Matrix
759-94-4	EPTC	ND	ug/L	0.1	0.028		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
21725-46-2	CYANAZINE	ND	ug/L	0.1	0.13		Qualitative Analysis Only
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
56-38-2	PARATHION	ND	ug/L	0.1	0.022		
1582-09-8	TRIFLURALIN	ND	ug/L	0.1	0.024		
	- PAHs						
91-20-3	NAPTHALENE	ND	ug/L	0.1	0.1^		
86-73-7	FLUORENE	ND	ug/L	0.1	0.026		
208-96-8	ACENAPHTHYLENE	ND	ug/L	0.1	0.025		
83-32-9	ACENAPHTHENE	ND	ug/L	0.1	0.1^		
120-12-7	ANTHRACENE	ND	ug/L	0.1	0.012		
56-55-3	BENZ(A)ANTHRACENE	ND	ug/L	0.1	0.012		
205-99-2	BENZO(B)FLUORANTHENE	ND	ug/L	0.1	0.025		
191-24-2	BENZO(G,H,I)PERYLENE	ND	ug/L	0.1	0.025		
207-08-9	BENZO(K)FLUORANTHENE	ND	ug/L	0.1	0.022		
218-01-9	CHRYSENE	ND	ug/L	0.1	0.022		
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ug/L	0.1	0.024		
206-44-0	FLUORANTHENE	ND	ug/L	0.1	0.1^		
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ug/L	0.1	0.040		
85-01-8	PHENANTHRENE	ND	ug/L	0.1	0.015		
129-00-0	PYRENE	ND	ug/L	0.1	0.022		
	- Phthalates						
85-68-7	BENZYL BUTYL PHTHALATE	ND	ug/L	0.1	0.022		
84-74-2	DI-N-BUTYL PHTHALATE	ND	ug/L	0.1	0.085		
84-66-2	DIETHYL PHTHALATE	ND	ug/L	0.1	0.044		
131-11-3	DIMETHYL PHTHALATE	ND	ug/L	0.1	0.015		

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MDL - Method Detection Limit is the lab's minimum concentration a compound can be measured and reported with 99% confidence that the compound concentration is greater than zero.

J - Estimated value.

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WSDOE Lab C1251

DATA REPORT

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: 08-07095
Project: Locker/Hall Wetland/HBBIC

Lab Number: 15124
Field ID: HBDIC OBS1
Sample Description: HBDIC
Matrix: Water
Collect Date: 5/27/2008
Extraction Date: 6/9/2008
Extraction Method: 3535

Report Date: 7/9/2008
Date Analyzed: 6/25/2008
Analyst: CO
Peer Review: MvA
Analytical Method: 525.2

SOC for Walla Walla

CAS ID#	COMPOUNDS	RESULT	Flag	Units	PQL	MDL	D.F.	Batch	COMMENT
2312-35-8	PROPARGITE	ND		ug/L		-	1.0	525X_080609	Qualitative analysis
80-05-7	BISPHENOL-A	0.5		ug/L	0.1		1.0	525X_080609	
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.0		
57837-19-1	METALAXYL	ND		ug/L	0.1	-	1.0		
15299-99-7	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.0		
122-34-9	SIMAZINE	ND		ug/L	0.1	0.03	1.0		
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.0		
333-41-5	DIAZINON	ND		ug/L	0.1	0.04	1.0		
60168-88-9	FENARIMOL	ND		ug/L	0.1	0.03	1.0		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.1	0.03	1.0		
7786-34-7	MEVINPHOS	ND		ug/l	0.1	0.03	1.0		
86-50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.0		
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.0		
72-54-8	4,4-DDD	ND		ug/L	0.1	0.02	1.0		
72-55-9	4,4-DDE	ND		ug/L	0.1	0.02	1.0		
50-29-3	4,4-DDT	ND		ug/L	0.1	0.03	1.0		
115-32-2	DICOFOL	ND		ug/L	1	-	1.0		
121-75-5	MALATHION	ND		ug/L	0.1	0.05	1.0		
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.0		
56-38-2	PARATHION-ETHYL	ND		ug/L	0.1	0.05	1.0		
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.0		
43121-43-3	TRIADIMEFON	ND		ug/L	0.1	0.07	1.0		
68694-11-1	TRIFLUMIZOLE	ND		ug/L	1.0	1.0	1.0		
950-37-8	METHIDATHINON	ND		ug/L	0.5	0.5	1.0		
88671-89-0	MYCLOBUTANIL	ND		ug/L	0.5	0.5	1.0		
51235-04-2	HEXAZINONE	ND		ug/L	0.1	0.05	1.0		

Result of: NA - indicates the compound was not analyzed.
Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-07095
Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
200.7-080530A	HARDNESS	70	69.5	mg/L	200.7	101	80-120		LFB	
508_080609	AROCLOR 1260	2.3	2	ug/L	508.1	115	60-140		LFB	
	TETRACHLORO-M-XYLENE (SURR)	93		%	508.1		70-130			
515_080602	2,4 - D	2.08	2	ug/L	515.1	104	70-130		LFB	
	2,4 - DCAA (SURR)	113		%	515.1		70-130			
	2,4 DB	9.55	8	ug/L	515.1	119	70-130			
	2,4,5 - TP (SILVEX)	1.11	1	ug/L	515.1	111	70-130			
	2,4,5 T	1	1	ug/L	515.1	100	70-130			
	ACIFLUORFEN	1.22	1	ug/L	515.1	122	70-130			
	BENTAZON	2.17	2	ug/L	515.1	109	70-130			
	CHLORAMBEN	0.91	1	ug/L	515.1	91	70-130			
	DALAPON	12.5	13	ug/L	515.1	96	70-130			
	DICAMBA	1.03	1	ug/L	515.1	103	70-130			
	DICHLORPROP	2.78	3	ug/L	515.1	93	70-130			
	DINOSEB	2.66	2	ug/L	515.1	133	70-130	AH		
	PENTACHLOROPHENOL	0.99	1	ug/L	515.1	99	70-130			
	PICLORAM	0.95	1	ug/L	515.1	95	70-130			
	TOTAL (DCPA & Metabolites)	1.16	1	ug/L	515.1	116	70-130			
525_080609	1,3-DIMETHYL-2-NITROBENZENE (Surr)	96		%	525.2		70-130		LFB	
	4,4-DDD	1.02	1	ug/L	525.2	102	70-130			
	4,4-DDE	1.03	1	ug/L	525.2	103	70-130			
	4,4-DDT	1.05	1	ug/L	525.2	105	70-130			
	ACENAPHTHYLENE	0.98	1	ug/L	525.2	98	70-130			
	ALACHLOR	2	2	ug/L	525.2	100	70-130			
	ALDRIN	0.98	1	ug/L	525.2	98	70-130			
	ANTHRACENE	0.68	1	ug/L	525.2	68	70-130	CC		
	ATRAZINE	2.09	2	ug/L	525.2	105	70-130			
	BENZ(A)ANTHRACENE	0.92	1	ug/L	525.2	92	70-130			
	BENZO(A)PYRENE	0.75	1	ug/L	525.2	75	70-130			
	BENZO(B)FLUORANTHENE	0.88	1	ug/L	525.2	88	70-130			

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Microbiology | 360.671.0688 • 360.671.1577fax

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-07095
Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
525_080609	BENZO(G,H,I)PERYLENE	0.92	1	ug/L	525.2	92	70-130		LFB	
	BENZO(K)FLUORANTHENE	0.96	1	ug/L	525.2	96	70-130			
	BENZYL BUTYL PHTHALATE	1.05	1	ug/L	525.2	105	70-130			
	BROMACIL	1.03	1	ug/L	525.2	103	70-130			
	BUTACHLOR	1.02	1	ug/L	525.2	102	70-130			
	CHLORDANE, TECHNICAL	0.97	1	ug/L	525.2	97	70-130			
	CHRYSENE	1.03	1	ug/L	525.2	103	70-130			
	CYANAZINE	0.85	1	ug/L	525.2	85	70-130			
	DI(ETHYLHEXYL)-ADIPATE	1.04	1	ug/L	525.2	104	70-130			
	DI(ETHYLHEXYL)-PHTHALATE	1.23	1	ug/L	525.2	123	70-130			
	DIAZINON	1	1	ug/L	525.2	100	70-130			
	DIBENZO(A,H)ANTHRACENE	0.96	1	ug/L	525.2	96	70-130			
	DIELDRIN	0.99	1	ug/L	525.2	99	70-130			
	DIETHYL PHTHALATE	1.1	1	ug/L	525.2	110	70-130			
	DIMETHYL PHTHALATE	1.06	1	ug/L	525.2	106	70-130			
	DI-N-BUTYL PHTHALATE	1.14	1	ug/L	525.2	114	70-130			
	ENDRIN	0.96	1	ug/L	525.2	96	70-130			
	EPTC	0.96	1	ug/L	525.2	96	70-130			
	FLUORENE	1.04	1	ug/L	525.2	104	70-130			
	HEPTACHLOR	0.96	1	ug/L	525.2	96	70-130			
	HEPTACHLOR EPOXIDE	0.94	1	ug/L	525.2	94	70-130			
	HEXACHLOROBENZENE	0.97	1	ug/L	525.2	97	70-130			
	HEXACHLOROCYCLO-PENTADIENE	0.92	1	ug/L	525.2	92	70-130			
	INDENO(1,2,3-CD)PYRENE	0.95	1	ug/L	525.2	95	70-130			
	LINDANE (BHC - GAMMA)	0.97	1	ug/L	525.2	97	70-130			
	MALATHION	1.01	1	ug/L	525.2	101	70-130			
	METHOXYCHLOR	1.08	1	ug/L	525.2	108	70-130			
	METOLACHLOR	1.06	1	ug/L	525.2	106	70-130			
	METRIBUZIN	0.81	1	ug/L	525.2	81	70-130			
	PARATHION	0.83	1	ug/L	525.2	83	70-130			
	PENTACHLOROPHENOL	4.87	4	ug/L	525.2	122	70-130			
	PERYLENE-D12 (Surr)	101		%	525.2		70-130			
	PHENANTHRENE	1	1	ug/L	525.2	100	70-130			
	PROPACHLOR	1.02	1	ug/L	525.2	102	70-130			
	PYRENE	1	1	ug/L	525.2	100	70-130			
	PYRENE-D10 (Surr)	94		%	525.2		70-130			

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-07095
Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
525_080609	SIMAZINE	0.96	1	ug/L	525.2	96	70-130		LFB	
	TERBACIL	0.99	1	ug/L	525.2	99	70-130			
	TRIFLURALIN	0.91	1	ug/L	525.2	91	70-130			
	TRIPHENYLPHOSPHATE (Surr)	100		%	525.2		70-130			
525X_080609	1-NAPHTHALENEACETAMIDE	2.37	2	ug/L	525.2	119	70-130		LFB	
	CHLORPYRIFOS	0.84	1	ug/L	525.2	84	70-130			
	DICOFOL	2.09	2	ug/L	525.2	105	70-130			
	FENARIMOL	0.9	1	ug/L	525.2	90	70-130			
	HEXAZINONE	1.2	1	ug/L	525.2	120	70-130			
	METALAXYL	2.01	2	ug/L	525.2	101	70-130			
	METHIDATHINON	2.18	2	ug/L	525.2	109	85-115			
	MEVINPHOS	0.99	1	ug/L	525.2	99	70-130			
	MYCLOBUTANIL	2.54	2	ug/L	525.2	127	85-115			
	NAPROPAMIDE	0.59	1	ug/L	525.2	59	70-130			
	PHOSMET	2.04	2	ug/L	525.2	102	70-130			
	PROPARGITE	2.16	2	ug/L	525.2	108	85-115			
	TRIADIMEFON	0.73	1	ug/L	525.2	73	70-130			
	TRIFLUMIZOLE	1.68	2	ug/L	525.2	84	85-115			
531_080611	3-HYDROXYCARBOFURAN	9.3	10	ug/L	531.2	93	70-130		LFB	
	ALDICARB	8.5	10	ug/L	531.2	85	70-130			
	ALDICARB SULFONE	8.8	10	ug/L	531.2	88	70-130			
	ALDICARB SULFOXIDE	8.3	10	ug/L	531.2	83	70-130			
	CARBARYL	9.3	10	ug/L	531.2	93	70-130			
	CARBOFURAN	9.4	10	ug/L	531.2	94	70-130			
	METHIOCARB	9.1	10	ug/L	531.2	91	70-130			
	METHOMYL	10	10	ug/L	531.2	100	70-130			
	OXYMAL	9.3	10	ug/L	531.2	93	70-130			
	PROPOXUR (BAYGON)	9.5	10	ug/L	531.2	95	70-130			
531_080611	3-HYDROXYCARBOFURAN	20	20	ug/L	531.2	100	70-130		LFB	
	ALDICARB	19	20	ug/L	531.2	95	70-130			
	ALDICARB SULFONE	19	20	ug/L	531.2	95	70-130			
	ALDICARB SULFOXIDE	18	20	ug/L	531.2	90	70-130			

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-07095
Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
531_080611	CARBARYL	19.5	20	ug/L	531.2	98	70-130		LFB	
	CARBOFURAN	20	20	ug/L	531.2	100	70-130			
	METHIOCARB	19	20	ug/L	531.2	95	70-130			
	METHOMYL	21	20	ug/L	531.2	105	70-130			
	OXYMAL	19.5	20	ug/L	531.2	98	70-130			
	PROPOXUR (BAYGON)	20	20	ug/L	531.2	100	70-130			
531_080611	3-HYDROXYCARBOFURAN	1	1	ug/L	531.2	100	70-130		LFB	
	ALDICARB	0.6	1	ug/L	531.2	60	70-130			Limits 50-150% at PQL
	ALDICARB SULFONE	0.75	1	ug/L	531.2	75	70-130			
	ALDICARB SULFOXIDE	1	1	ug/L	531.2	100	70-130			
	CARBARYL	0.9	1	ug/L	531.2	90	70-130			
	CARBOFURAN	1	1	ug/L	531.2	100	70-130			
	METHIOCARB	1	1	ug/L	531.2	100	70-130			
	METHOMYL	0.8	1	ug/L	531.2	80	70-130			
	OXYMAL	1	1	ug/L	531.2	100	70-130			
	PROPOXUR (BAYGON)	1	1	ug/L	531.2	100	70-130			
549_080603	PARAQUAT	14.1	20	ug/L	549.2	71	70-130		LFB	
COD_080604	CHEMICAL OXYGEN DEMAND	51	50	mg/L	SM5220 D	102	80-120		LFB	
OPHOS-080528	ORTHO-PHOSPHATE	1.02	1.00	mg/L	SM4500-P F	102	70-130		LFB	
tds_080602	TOTAL DISSOLVED SOLIDS	500	500	mg/L	SM2540 C	100	80-120		LFB	
tds_080602	TOTAL DISSOLVED SOLIDS	488	500	mg/L	SM2540 C	98	80-120		LFB	
tds_080602	TOTAL DISSOLVED SOLIDS	523	500	mg/L	SM2540 C	105	80-120		LFB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 08-07095
Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
200.7-080530A	HARDNESS	ND		mg/L	200.7		10.0000(		LRB	
317_080606A	BROMATE	ND		ug/L	317.0		0.00000		LRB	
317_080611A	BROMATE	ND		ug/L	317.0		0.00000		LRB	
317_080612A	BROMATE	ND		ug/L	317.0		0.00000		LRB	
COD_080604	CHEMICAL OXYGEN DEMAND	ND		mg/L	SM5220 D		4.00000		LRB	
I080528A	CHLORIDE	ND		mg/L	300.0		0.10000		LRB	
OPHOS-080528	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0.10000		LRB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-07095
Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
200.7-080530A	HARDNESS	ND		mg/L	200.7		0.82000		MB	
508_080609	AROCLOR 1016	ND		ug/L	508.1		0.02000		MB	
	AROCLOR 1221	ND		ug/L	508.1		0.12000			
	AROCLOR 1232	ND		ug/L	508.1		0.02000			
	AROCLOR 1242	ND		ug/L	508.1		0.02000			
	AROCLOR 1248	ND		ug/L	508.1		0.02000			
	AROCLOR 1254	ND		ug/L	508.1		0.02000			
	AROCLOR 1260	ND		ug/L	508.1		0.02000			
	TETRACHLORO-M-XYLENE (SURR)	86		%	508.1		0.00000			
515_080602	2,4 - D	ND		ug/L	515.1		0.05000		MB	
	2,4 - DCAA (SURR)	110		%	515.1					
	2,4 DB	ND		ug/L	515.1		0.25000			
	2,4,5 - TP (SILVEX)	ND		ug/L	515.1		0.10000			
	2,4,5 T	ND		ug/L	515.1		0.10000			
	ACIFLUORFEN	ND		ug/L	515.1		0.50000			
	BENTAZON	ND		ug/L	515.1		0.12000			
	CHLORAMBEN	ND		ug/L	515.1		0.20000			
	DALAPON	ND		ug/L	515.1		0.50000			
	DCPA (ACID METABOLITES)	ND		ug/L	515.1		0.10000			
	DICAMBA	ND		ug/L	515.1		0.05000			
	DICHLORPROP	ND		ug/L	515.1		0.12000			
	DINOSEB	ND		ug/L	515.1		0.10000			
	PENTACHLOROPHENOL	ND		ug/L	515.1		0.02000			
	PICLORAM	ND		ug/L	515.1		0.05000			
	TOTAL (DCPA & Metabolites)	ND		ug/L	515.1		0.02000			
525_080609	1,3-DIMETHYL-2-NITROBENZENE (Surr)	97		%	525.2				MB	
	4,4-DDD	ND		ug/L	525.2		0.05000			
	4,4-DDE	ND		ug/L	525.2		0.05000			
	4,4-DDT	ND		ug/L	525.2		0.05000			
	ACENAPHTHENE	ND		ug/L	525.2		0.05000			

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

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Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
525_080609	ALACHLOR	ND		ug/L	525.2		0.02000		MB	
	ALDRIN	ND		ug/L	525.2		0.05000			
	ANTHRACENE	ND		ug/L	525.2		0.05000			
	ATRAZINE	ND		ug/L	525.2		0.02000			
	BENZ(A)ANTHRACENE	ND		ug/L	525.2		0.02000			
	BENZO(A)PYRENE	ND		ug/L	525.2		0.02000			
	BENZO(B)FLUORANTHENE	ND		ug/L	525.2		0.05000			
	BENZO(G,H,I)PERYLENE	ND		ug/L	525.2		0.05000			
	BENZO(K)FLUORANTHENE	ND		ug/L	525.2		0.05000			
	BENZYL BUTYL PHTHALATE	ND		ug/L	525.2		0.60000			
	BROMACIL	ND		ug/L	525.2		0.05000			
	BUTACHLOR	ND		ug/L	525.2		0.10000			
	CHLORDANE, TECHNICAL	ND		ug/L	525.2		0.02000			
	CHRYSENE	ND		ug/L	525.2		0.05000			
	CYANAZINE	ND		ug/L	525.2		0.05000			
	DI(ETHYLHEXYL)-ADIPATE	ND		ug/L	525.2		0.02000			
	DI(ETHYLHEXYL)-PHTHALATE	0.13		ug/L	525.2		0.60000			
	DIAZINON	ND		ug/L	525.2		0.05000			
	DIBENZO(A,H)ANTHRACENE	ND		ug/L	525.2		0.05000			
	DIELDRIN	ND		ug/L	525.2		0.05000			
	DIETHYL PHTHALATE	ND		ug/L	525.2		0.60000			
	DIMETHYL PHTHALATE	ND		ug/L	525.2		0.60000			
	DI-N-BUTYL PHTHALATE	ND		ug/L	525.2		0.60000			
	ENDRIN	ND		ug/L	525.2		0.02000			
	EPTC	ND		ug/L	525.2		0.07000			
	FLUORANTHENE	ND		ug/L	525.2		0.05000			
	FLUORENE	ND		ug/L	525.2		0.05000			
	HEPTACHLOR	ND		ug/L	525.2		0.02000			
	HEPTACHLOR EPOXIDE	ND		ug/L	525.2		0.02000			
	HEXACHLOROBENZENE	ND		ug/L	525.2		0.02000			
	HEXACHLOROCYCLO-PENTADIENE	ND		ug/L	525.2		0.02000			
	INDENO(1,2,3-CD)PYRENE	ND		ug/L	525.2		0.05000			
	LINDANE (BHC - GAMMA)	ND		ug/L	525.2		0.02000			
	MALATHION	ND		ug/L	525.2		0.05000			
	METHOXYCHLOR	ND		ug/L	525.2		0.02000			
	METOLACHLOR	ND		ug/L	525.2		0.25000			

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-07095
Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
525_080609	METRIBUZIN	ND		ug/L	525.2		0.05000		MB	
	NAPTHALENE	ND		ug/L	525.2		0.02000			
	PARATHION	ND		ug/L	525.2		0.05000			
	PENTACHLOROPHENOL	ND		ug/L	525.2		0.04000			
	PERYLENE-D12 (Surr)	95		%	525.2					
	PHENANTHRENE	ND		ug/L	525.2		0.05000			
	PROPACHLOR	ND		ug/L	525.2		0.05000			
	PYRENE	ND		ug/L	525.2		0.05000			
	PYRENE-D10 (Surr)	98		%	525.2					
	SIMAZINE	ND		ug/L	525.2		0.02000			
	TERBACIL	ND		ug/L	525.2		0.05000			
	TRIFLURALIN	ND		ug/L	525.2		0.05000			
	TRIPHENYLPHOSPHATE (Surr)	106		%	525.2					
525X_080609	1-NAPHTHALENEACETAMIDE	ND		ug/L	525.2		0.10000		MB	
	AZINPHOS-METHYL	ND		ug/L	525.2		0.00000			
	CHLORPYRIFOS	ND		ug/L	525.2		0.00000			
	DICOFOL	ND		ug/L	525.2		0.00000			
	DIMETHOATE	ND		ug/L	525.2		0.00000			
	FENARIMOL	ND		ug/L	525.2		0.00000			
	HEXAZINONE	ND		ug/L	525.2		0.00000			
	MALATHION	ND		ug/L	525.2		0.05000			
	METALAXYL	ND		ug/L	525.2		0.10000			
	METHIDATHINON	ND		ug/L	525.2		0.50000			
	METHYL PARATHION	ND		ug/L	525.2		0.00000			
	MEVINPHOS	ND		ug/L	525.2		0.00000			
	MYCLOBUTANIL	ND		ug/L	525.2		0.50000			
	NAPROPAMIDE	ND		ug/L	525.2		0.00000			
	PARATHION-ETHYL	ND		ug/L	525.2		0.05000			
	PHOSMET	ND		ug/L	525.2		0.10000			
	PROPARGITE	ND		ug/L	525.2		0.00000			
	TRIADIMEFON	ND		ug/L	525.2		0.00000			
	TRIFLUMIZOLE	ND		ug/L	525.2		1.00000			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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EDGE ANALYTICAL LABORATORIES

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Microbiology | 360.671.0688 • 360.671.1577fax

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-07095
Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
531_080611	3-HYDROXYCARBOFURAN	ND		ug/L	531.2		0.50000		MB	
	ALDICARB	ND		ug/L	531.2		0.25000			
	ALDICARB SULFONE	ND		ug/L	531.2		0.40000			
	ALDICARB SULFOXIDE	ND		ug/L	531.2		0.25000			
	CARBARYL	ND		ug/L	531.2		0.50000			
	CARBOFURAN	ND		ug/L	531.2		0.45000			
	METHIOCARB	ND		ug/L	531.2		1.00000			
	METHOMYL	ND		ug/L	531.2		0.25000			
	OXYMAL	ND		ug/L	531.2		1.00000			
	PROPOXUR (BAYGON)	ND		ug/L	531.2		0.25000			
549_080603	PARAQUAT	ND		ug/L	549.2		0.50000		MB	
ec_080602	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000		MB	
ec_080602	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000		MB	
ec_080602	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000		MB	
ec_080602	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000		MB	
ec_080613	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000		MB	
ec_080613	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000		MB	
ec_080613	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000		MB	
ec_080613	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		2.50000		MB	
OPHOS-080528	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0.10000		MB	
tds_080602	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		2.50000		MB	
tds_080602	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		2.50000		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-07095
Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
tds_080602	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		2.50000		MB	
turb_080528	TURBIDITY	ND		NTU	180.1		0.02000		MB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 08-07095
Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
200.7-080530A	HARDNESS	129	132.3	mg/L	200.7	98	80-120		QCS	
317_080606A	BROMATE	38.2	40.8	ug/L	317.0	94	70-130		QCS	
317_080611A	BROMATE	37.8	40.8	ug/L	317.0	93	70-130		QCS	
317_080612A	BROMATE	39	40.8	ug/L	317.0	96	70-130		QCS	
531_080611	3-HYDROXYCARBOFURAN	36.7	34.2	ug/L	531.2	107	70-130		QCS	
	ALDICARB	27.4	26	ug/L	531.2	105	70-130			
	ALDICARB SULFONE	33.8	30	ug/L	531.2	113	70-130			
	ALDICARB SULFOXIDE	18.5	16.6	ug/L	531.2	111	70-130			
	CARBARYL	32.4	30	ug/L	531.2	108	70-130			
	CARBOFURAN	104	100	ug/L	531.2	104	70-130			
	METHIOCARB	65.6	90.1	ug/L	531.2	73	70-130			
	METHOMYL	60	60.1	ug/L	531.2	100	70-130			
	OXYMAL	46.7	44.2	ug/L	531.2	106	70-130			
	PROPOXUR (BAYGON)	83.9	80.3	ug/L	531.2	104	70-130			
549_080603	PARAQUAT	3.2	4.8	ug/L	549.2	67	70-130		QCS	
COD_080604	CHEMICAL OXYGEN DEMAND	138	133	mg/L	SM5220 D	104	80-120		QCS	
ec_080602	ELECTRICAL CONDUCTIVITY	175	169	uS/cm	SM2510 B	104	80-120		QCS	
ec_080602	ELECTRICAL CONDUCTIVITY	175	169	uS/cm	SM2510 B	104	80-120		QCS	
ec_080602	ELECTRICAL CONDUCTIVITY	173	169	uS/cm	SM2510 B	102	80-120		QCS	
ec_080602	ELECTRICAL CONDUCTIVITY	172	169	uS/cm	SM2510 B	102	80-120		QCS	

*Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 08-07095
Report Date: 07/09/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
ec_080613	ELECTRICAL CONDUCTIVITY	168	169	uS/cm	SM2510 B	99	80-120		QCS	
ec_080613	ELECTRICAL CONDUCTIVITY	168	169	uS/cm	SM2510 B	99	80-120		QCS	
ec_080613	ELECTRICAL CONDUCTIVITY	168	169	uS/cm	SM2510 B	99	80-120		QCS	
ec_080613	ELECTRICAL CONDUCTIVITY	168	169	uS/cm	SM2510 B	99	80-120		QCS	
I080528A	CHLORIDE	29.1	30.0	mg/L	300.0	97	80-120		QCS	
OPHOS-080528	ORTHO-PHOSPHATE	0.50	0.49	mg/L	SM4500-P F	102	70-130		QCS	
ph_080528	HYDROGEN ION (pH)	8.09	8.00	pH Units	SM4500-H+ B	101	80-120		QCS	
	HYDROGEN ION (pH)	8.20	8.00	pH Units	SM4500-H+ B	103	80-120			
ph_080528	HYDROGEN ION (pH)	8.19	8.00	pH Units	SM4500-H+ B	102	80-120		QCS	
turb_080528	TURBIDITY	1.00	1.00	NTU	180.1	100	70-130		QCS	

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QUALITY CONTROL REPORT

Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Reference Number: 08-07095
Report Date: 7/9/2008

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
200.7-080530A									
	15125	HARDNESS	156	156	mg CaCO3/L	0.0	0-45		DUP
	15169	HARDNESS	79.8	81.1	mg CaCO3/L	1.6	0-45		DUP
317_080606A									
317_080611A									
317_080612A									
	15036	BROMATE	6.5	6.7	ug/L	3.0	0-50		DUP
515_080602									
525_080609									
	15132	1,3-DIMETHYL-2-NITROBENZENE (Surr	98	96	%	2.1	0-45		DUP
	15132	PYRENE-D10 (Surr)	96	96	%	0.0	0-45		DUP
	15132	PERYLENE-D12 (Surr)	103	102	%	1.0	0-45		DUP
	15132	TRIPHENYLPHOSPHATE (Surr)	108	112	%	3.6	0-45		DUP
	15132	1,3-DIMETHYL-2-NITROBENZENE (Surr	98	96	%	2.1	0-45		DUP
	15132	PYRENE-D10 (Surr)	96	96	%	0.0	0-45		DUP
	15132	PERYLENE-D12 (Surr)	103	102	%	1.0	0-45		DUP
	15132	TRIPHENYLPHOSPHATE (Surr)	108	112	%	3.6	0-45		DUP
525X_080609									
	15132	BISPHENOL-A	0.6	0.6	ug/L	0.0	0-20		DUP
COD_080604									
	15260	CHEMICAL OXYGEN DEMAND	8900	8850	mg/L	0.6	0-45		DUP
EC_080602									
	15127	ELECTRICAL CONDUCTIVITY	129	129	uS/cm	0.0	0-45		DUP
	15147	ELECTRICAL CONDUCTIVITY	400	403	uS/cm	0.7	0-45		DUP
	15483	ELECTRICAL CONDUCTIVITY	732	732	uS/cm	0.0	0-45		DUP
EC_080613									
	16628	ELECTRICAL CONDUCTIVITY	301	301	uS/cm	0.0	0-45		DUP

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
	16978	ELECTRICAL CONDUCTIVITY	237	237	uS/cm	0.0	0-45	DUP	
	17042	ELECTRICAL CONDUCTIVITY	744	743	uS/cm	0.1	0-45	DUP	
I080528A									
	15147	CHLORIDE	31	31	mg/L	0.0	0-45	DUP	
	15169	CHLORIDE	26	26	mg/L	0.0	0-45	DUP	
NO3NO2-080528									
	15050	NITRATE-N	0.54	0.54	mg/L	0.0	0-20	DUP	
	15060	NITRATE-N	0.04	0.04	mg/L	0.0	0-20	DUP	
	15133	NITRATE-N	1.11	1.10	mg/L	0.9	0-20	DUP	
OPHOS-080528									
	15060	ORTHO-PHOSPHATE	0.32	0.33	mg/L	3.1	0-50	DUP	
	15128	ORTHO-PHOSPHATE	0.12	0.12	mg/L	0.0	0-50	DUP	
	15133	ORTHO-PHOSPHATE	0.23	0.23	mg/L	0.0	0-50	DUP	
PH_080528									
	15131	HYDROGEN ION (pH)	6.75	6.70	pH Units	0.7	0-45	DUP	
	15169	HYDROGEN ION (pH)	8.10	8.08	pH Units	0.2	0-45	DUP	
TDS_080602									
	15133	TOTAL DISSOLVED SOLIDS	120	117	mg/L	2.5	0-45	DUP	
	15509	TOTAL DISSOLVED SOLIDS	50	53	mg/L	5.8	0-45	DUP	
TURB_080528									
	15133	TURBIDITY	8.45	8.22	NTU	2.8	0-50	DUP	
	15147	TURBIDITY	4.74	5.15	NTU	8.3	0-50	DUP	

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Reference Number: 08-07095
Report Date: 7/9/2008

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Comments
200.7-080530A														
	15125	HARDNESS	156	220	221	69.5	mg CaCO3/L	**92**	**94**	80-120	**1.6**	0-60		LFM
	15169	HARDNESS	79.8	146	146	69.5	mg CaCO3/L	**95**	**95**	80-120	**0.0**	0-60		LFM
317_080606A														
	14879	BROMATE	ND	9.3		10.0	ug/L	**93**	**NA**	70-130	**NA**	0-50		LFM
317_080611A														
	15130	BROMATE	ND	7.6		10	ug/L	**76**	**NA**	70-130	**NA**	0-50		LFM
317_080612A														
	15036	BROMATE	6.5	18		10	ug/L	**115**	**NA**	70-130	**NA**	0-50		LFM
	15512	BROMATE	ND	10.9		10	ug/L	**109**	**NA**	70-130	**NA**	0-50		LFM
515_080602														
	14221	2,4 - D	ND	2.16		2	ug/L	**108**	**NA**	65-135	**NA**	0-60		LFM
	14221	2,4,5 - TP (SILVEX)	ND	1.19		1	ug/L	**119**	**NA**	65-135	**NA**	0-60		LFM
	14221	PENTACHLOROPHENOL	ND	1.06		1	ug/L	**106**	**NA**	65-135	**NA**	0-60		LFM
	14221	DALAPON	ND	12.1		13	ug/L	**93**	**NA**	65-135	**NA**	0-60		LFM
	14221	DINOSEB	ND	2.81		2	ug/L	**141**	**NA**	65-135	**NA**	0-60	AH	LFM
	14221	PICLORAM	ND	0.96		1	ug/L	**96**	**NA**	65-135	**NA**	0-60		LFM
	14221	DICAMBA	ND	1.05		1	ug/L	**105**	**NA**	65-135	**NA**	0-60		LFM
	14221	TOTAL (DCPA & Metabolites)	ND	1.19		1	ug/L	**119**	**NA**	65-135	**NA**	0-60		LFM
	14221	2,4 DB	ND	10.6		8	ug/L	**133**	**NA**	65-135	**NA**	0-60		LFM
	14221	2,4,5 T	ND	1.06		1	ug/L	**106**	**NA**	65-135	**NA**	0-60		LFM
	14221	BENTAZON	ND	2.26		2	ug/L	**113**	**NA**	65-135	**NA**	0-60		LFM
	14221	DICHLORPROP	ND	2.89		3	ug/L	**96**	**NA**	65-135	**NA**	0-60		LFM
	14221	ACIFLUORFEN	ND	1.29		1	ug/L	**129**	**NA**	65-135	**NA**	0-60		LFM
	14221	CHLORAMBEN	ND	0.76		1	ug/L	**76**	**NA**	65-135	**NA**	0-50		LFM
	14221	2,4 - DCAA (SURR)	108	116			%		**NA**	70-130	**NA**	0-60		LFM
525_080609														
	15133	ENDRIN	ND	0.99		1	ug/L	**99**	**NA**	70-130	**NA**	0-60		LFM
	15133	LINDANE (BHC - GAMMA)	ND	1		1	ug/L	**100**	**NA**	70-130	**NA**	0-60		LFM
	15133	METHOXYCHLOR	ND	1.14		1	ug/L	**114**	**NA**	70-130	**NA**	0-60		LFM
	15133	ALACHLOR	ND	2.08		2	ug/L	**104**	**NA**	70-130	**NA**	0-60		LFM
	15133	ATRAZINE	ND	2.25		2	ug/L	**113**	**NA**	70-130	**NA**	0-60		LFM
	15133	BENZO(A)PYRENE	ND	0.75		1	ug/L	**75**	**NA**	70-130	**NA**	0-60		LFM
	15133	CHLORDANE, TECHNICAL	ND	1.02		1	ug/L	**102**	**NA**	70-130	**NA**	0-60		LFM
	15133	DI(ETHYLHEXYL)-ADIPATE	ND	1.09		1	ug/L	**109**	**NA**	70-130	**NA**	0-60		LFM

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EDGE ANALYTICAL LABORATORIES

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier		Comments
	15133	DI(ETHYLHEXYL)-PHTHALATE	ND	1.33		1	ug/L	133	NA	70-130	NA	0-60	BQ	LFM	
	15133	HEPTACHLOR	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM	
	15133	HEPTACHLOR EPOXIDE	ND	0.98		1	ug/L	98	NA	70-130	NA	0-50		LFM	
	15133	HEXACHLOROBENZENE	ND	1.05		1	ug/L	105	NA	70-130	NA	0-60		LFM	
	15133	HEXACHLOROCYCLO-PENTADIENE	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		LFM	
	15133	SIMAZINE	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM	
	15133	PENTACHLOROPHENOL	ND	5.3		4	ug/L	133	NA	70-130	NA	0-50		LFM	
	15133	ALDRIN	ND	0.96		1	ug/L	96	NA	70-130	NA	0-60		LFM	
	15133	BUTACHLOR	ND	1.08		1	ug/L	108	NA	70-130	NA	0-60		LFM	
	15133	DIELDRIN	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM	
	15133	METOLACHLOR	ND	1.06		1	ug/L	106	NA	70-130	NA	0-60		LFM	
	15133	METRIBUZIN	ND	0.93		1	ug/L	93	NA	70-130	NA	0-60		LFM	
	15133	PROPACHLOR	ND	1.11		1	ug/L	111	NA	70-130	NA	0-60		LFM	
	15133	BROMACIL	ND	1.12		1	ug/L	112	NA	70-130	NA	0-60		LFM	
	15133	TERBACIL	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		LFM	
	15133	DIAZINON	ND	1.07		1	ug/L	107	NA	70-130	NA	0-60		LFM	
	15133	SIMAZINE	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM	
	15133	EPTC	ND	1.01		1	ug/L	101	NA	70-130	NA	0-60		LFM	
	15133	DIAZINON	ND	1.07		1	ug/L	107	NA	70-130	NA	0-60		LFM	
	15133	4,4-DDD	ND	1.06		1	ug/L	106	NA	70-130	NA	0-60		LFM	
	15133	4,4-DDE	ND	1.04		1	ug/L	104	NA	70-130	NA	0-60		LFM	
	15133	LINDANE (BHC - GAMMA)	ND	1		1	ug/L	100	NA	70-130	NA	0-60		LFM	
	15133	4,4-DDT	ND	1.08		1	ug/L	108	NA	70-130	NA	0-60		LFM	
	15133	CYANAZINE	ND	0.89		1	ug/L	89	NA	70-130	NA	0-60		LFM	
	15133	MALATHION	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		LFM	
	15133	PARATHION	ND	0.98		1	ug/L	98	NA	70-130	NA	0-60		LFM	
	15133	TRIFLURALIN	ND	1.06		1	ug/L	106	NA	70-130	NA	0-60		LFM	
	15133	4,4-DDD	ND	1.06		1	ug/L	106	NA	70-130	NA	0-60		LFM	
	15133	4,4-DDE	ND	1.04		1	ug/L	104	NA	70-130	NA	0-60		LFM	
	15133	4,4-DDT	ND	1.08		1	ug/L	108	NA	70-130	NA	0-60		LFM	
	15133	MALATHION	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		LFM	
	15133	PARATHION-ETHYL	ND	0.98		1	ug/L	98	NA	70-130	NA	0-60		LFM	
	15133	FLUORENE	ND	1.11		1	ug/L	111	NA	70-130	NA	0-60		LFM	
	15133	ACENAPHTHYLENE	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM	
	15133	ANTHRACENE	ND	0.48		1	ug/L	48	NA	70-130	NA	0-60	CC	LFM	
	15133	BENZ(A)ANTHRACENE	ND	0.91		1	ug/L	91	NA	70-130	NA	0-60		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

ANALYTICAL LABORATORIES

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Comments
	15133	BENZO(B)FLUORANTHENE	ND	0.96		1	ug/L	96	NA	70-130	NA	0-60		LFM
	15133	BENZO(G,H,I)PERYLENE	ND	1		1	ug/L	100	NA	70-130	NA	0-60		LFM
	15133	BENZO(K)FLUORANTHENE	ND	1.02		1	ug/L	102	NA	70-130	NA	0-60		LFM
	15133	CHRYSENE	ND	1.07		1	ug/L	107	NA	70-130	NA	0-60		LFM
	15133	DIBENZO(A,H)ANTHRACENE	ND	1.01		1	ug/L	101	NA	70-130	NA	0-60		LFM
	15133	INDENO(1,2,3-CD)PYRENE	ND	1.04		1	ug/L	104	NA	70-130	NA	0-60		LFM
	15133	PHENANTHRENE	ND	1.04		1	ug/L	104	NA	70-130	NA	0-60		LFM
	15133	PYRENE	ND	1.04		1	ug/L	104	NA	70-130	NA	0-60		LFM
	15133	BENZYL BUTYL PHTHALATE	ND	1.11		1	ug/L	111	NA	70-130	NA	0-60		LFM
	15133	DI-N-BUTYL PHTHALATE	ND	1.23		1	ug/L	123	NA	70-130	NA	0-60		LFM
	15133	DIETHYL PHTHALATE	ND	1.2		1	ug/L	120	NA	70-130	NA	0-60		LFM
	15133	DIMETHYL PHTHALATE	ND	1.1		1	ug/L	110	NA	70-130	NA	0-60		LFM
	15133	1,3-DIMETHYL-2-NITROBENZENE (Surr	98	98			%		NA	70-130	NA	0-60		LFM
	15133	PYRENE-D10 (Surr)	95	94			%		NA	70-130	NA	0-60		LFM
	15133	PERYLENE-D12 (Surr)	102	99			%		NA	70-130	NA	0-60		LFM
	15133	TRIPHENYLPHOSPHATE (Surr)	108	102			%		NA	70-130	NA	0-60		LFM
525X_080609														
	15133	PROPARGITE	ND	2.3		2	ug/L	115	NA	70-130	NA	0-50		LFM
	15133	METALAXYL	ND	2.06		2	ug/L	103	NA	70-130	NA	0-50		LFM
	15133	NAPROPAMIDE	ND	0.61		1	ug/L	61	NA	70-130	NA	0-50		LFM
	15133	1-NAPHTHALENEACETAMIDE	ND	2.64		2	ug/L	132	NA	70-130	NA	0-50		LFM
	15133	FENARIMOL	ND	0.99		1	ug/L	99	NA	70-130	NA	0-50		LFM
	15133	MEVINPHOS	ND	1.08		2	ug/L	54	NA	70-130	NA	0-50		LFM
	15133	CHLORPYRIFOS	ND	0.94		1	ug/L	94	NA	70-130	NA	0-50		LFM
	15133	DICOFOL	ND	2.24		2	ug/L	112	NA	70-130	NA	0-50		LFM
	15133	PHOSMET	ND	2.26		2	ug/L	113	NA	70-130	NA	0-50		LFM
	15133	TRIADIMEFON	ND	0.8		1	ug/L	80	NA	70-130	NA	0-50		LFM
	15133	TRIFLUMIZOLE	ND	1.81		2	ug/L	91	NA	70-130	NA	0-50		LFM
	15133	METHIDATHINON	ND	2.32		2	ug/L	116	NA	70-130	NA	0-50		LFM
	15133	MYCLOBUTANIL	ND	2.65		2	ug/L	133	NA	70-130	NA	0-50		LFM
	15133	HEXAZINONE	ND	1.25		1	ug/L	125	NA	70-130	NA	0-50		LFM
531_080611														
	13899	OXYMAL	ND	8.7		10	ug/L	87	NA	70-130	NA	0-50		LFM
	13899	CARBOFURAN	ND	8.8		10	ug/L	88	NA	70-130	NA	0-50		LFM
	13899	ALDICARB SULFOXIDE	ND	7.8		10	ug/L	78	NA	70-130	NA	0-50		LFM
	13899	ALDICARB SULFONE	ND	8.5		10	ug/L	85	NA	70-130	NA	0-50		LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 08-07095
Report Date: 7/9/2008

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Comments
	13899	METHOMYL	ND	9.4		10	ug/L	94	NA	70-130	NA	0-50	LFM	
	13899	3-HYDROXYCARBOFURAN	ND	8.9		10	ug/L	89	NA	70-130	NA	0-50	LFM	
	13899	ALDICARB	ND	8		10	ug/L	80	NA	70-130	NA	0-50	LFM	
	13899	CARBARYL	ND	8.8		10	ug/L	88	NA	70-130	NA	0-50	LFM	
	13899	PROPOXUR (BAYGON)	ND	9		10	ug/L	90	NA	70-130	NA	0-50	LFM	
	13899	METHIOCARB	ND	8.1		10	ug/L	81	NA	70-130	NA	0-50	LFM	
	15128	OXYMAL	ND	8.5	7.6	10	ug/L	85	76	70-130	11.2	0-50	LFM	
	15128	CARBOFURAN	ND	8.8	7.9	10	ug/L	88	79	70-130	10.8	0-50	LFM	
	15128	ALDICARB SULFOXIDE	ND	7.8	7	10	ug/L	78	70	70-130	10.8	0-50	LFM	
	15128	ALDICARB SULFONE	ND	8.7	7.2	10	ug/L	87	72	70-130	18.9	0-50	LFM	
	15128	METHOMYL	ND	8.8	8.2	10	ug/L	88	82	70-130	7.1	0-50	LFM	
	15128	3-HYDROXYCARBOFURAN	ND	9.6	8.6	10	ug/L	96	86	70-130	11.0	0-50	LFM	
	15128	ALDICARB	ND	8.3	7	10	ug/L	83	70	70-130	17.0	0-50	LFM	
	15128	CARBARYL	ND	8.8	7.6	10	ug/L	88	76	70-130	14.6	0-50	LFM	
	15128	PROPOXUR (BAYGON)	ND	9.3	7.9	10	ug/L	93	79	70-130	16.3	0-50	LFM	
	15128	METHIOCARB	ND	8.6	7.4	10	ug/L	86	74	70-130	15.0	0-50	LFM	
COD_080604														
	15131	CHEMICAL OXYGEN DEMAND	ND	57	57	50	mg/L	114	114	80-120	0.0	0-60	LFM	
	15260	CHEMICAL OXYGEN DEMAND	8900	11300	11300	2500	mg/L	96	96	80-120	0.0	0-60	LFM	
I080528A														
	15147	CHLORIDE	31	32		1.00	mg/L	100	NA	80-120	NA	0-60	LFM	
	15169	CHLORIDE	26	47		20.00	mg/L	105	NA	80-120	NA	0-60	LFM	
NO3NO2-080528														
	15050	NITRATE-N	0.54	1.56	1.54	1.00	mg/L	102	100	90-110	2.0	0-50	LFM	
	15060	NITRATE-N	0.04	1.07	1.05	1.00	mg/L	103	101	90-110	2.0	0-50	LFM	
	15061	NITRATE-N	0.56	1.59	1.56	1.00	mg/L	103	100	90-110	3.0	0-50	LFM	
	15133	NITRATE-N	1.11	2.11	2.09	1.00	mg/L	100	98	90-110	2.0	0-50	LFM	
OPHOS-080528														
	15050	ORTHO-PHOSPHATE	ND	1.09	1.06	1.00	mg/L	109	106	70-130	2.8	0-50	LFM	
	15060	ORTHO-PHOSPHATE	0.32	1.39	1.36	1.00	mg/L	107	104	70-130	2.8	0-50	LFM	
	15128	ORTHO-PHOSPHATE	0.12	1.17	1.16	1.00	mg/L	105	104	70-130	1.0	0-50	LFM	
	15133	ORTHO-PHOSPHATE	0.23	1.27	1.30	1.00	mg/L	104	107	70-130	2.8	0-50	LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 08-07095
Report Date: 07/09/08

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
515_080602						
15124	2,4 - DCAA (SURR)	108		%	515.1	Acceptance Range is 70 - 130%
508_080609						
15124	TETRACHLORO-M-XYLENE (SURR)	86		%	508.1	Acceptance Limits 70%-130%
525_080609						
15124	1,3-DIMETHYL-2-NITROBENZENE (Surr)	100		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	96		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	106		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	108		%		Acceptance Range is 70% to 130%
515_080602						
15125	2,4 - DCAA (SURR)	112		%	515.1	Acceptance Range is 70 - 130%
515_080602						
15126	2,4 - DCAA (SURR)	107		%	515.1	Acceptance Range is 70 - 130%
515_080602						
15127	2,4 - DCAA (SURR)	109		%	515.1	Acceptance Range is 70 - 130%
515_080602						
15128	2,4 - DCAA (SURR)	108		%	515.1	Acceptance Range is 70 - 130%
515_080602						
15129	2,4 - DCAA (SURR)	105		%	515.1	Acceptance Range is 70 - 130%
515_080602						
15130	2,4 - DCAA (SURR)	117		%	515.1	Acceptance Range is 70 - 130%
515_080602						
15131	2,4 - DCAA (SURR)	117		%	515.1	Acceptance Range is 70 - 130%
508_080609						
15131	TETRACHLORO-M-XYLENE (SURR)	80		%	508.1	Acceptance Limits 70%-130%
525_080609						
15131	1,3-DIMETHYL-2-NITROBENZENE (Surr)	99		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	93		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	103		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	110		%		Acceptance Range is 70% to 130%
515_080602						
15132	2,4 - DCAA (SURR)	107		%	515.1	Acceptance Range is 70 - 130%
508_080609						
15132	TETRACHLORO-M-XYLENE (SURR)	82		%	508.1	Acceptance Limits 70%-130%
525_080609						
15132	1,3-DIMETHYL-2-NITROBENZENE (Surr)	98		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	96		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	103		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	108		%		Acceptance Range is 70% to 130%
515_080602						
15133	2,4 - DCAA (SURR)	112		%	515.1	Acceptance Range is 70 - 130%
508_080609						
15133	TETRACHLORO-M-XYLENE (SURR)	80		%	508.1	Acceptance Limits 70%-130%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 08-07095
Report Date: 07/09/08

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
525_080609						
15133	1,3-DIMETHYL-2-NITROBENZENE (Surr)	98		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	95		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	102		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	108		%		Acceptance Range is 70% to 130%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Qualifier Definitions

Reference Number: 08-07095
Report Date: 07/09/08

Qualifier	Definition
AH	Result was high for this analyte in the end standard, indicating an increase in detector response. No detection of this analyte was found in samples, therefore no further action taken.
BQ	Indicates that an analyte has been detected in the laboratory method blank. This flag denotes possible contribution of laboratory background.
CC	Continuing calibration check standard was within acceptance limits. Low recovery for a PAH may possibly be a result of photo-degradation.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

5214

Report to:	Walla Walla Basin Watershed Cour	Bill to:	Walla Walla Basin Watershed Counc
Ship Address:	810 S Main Street	Address:	810 S Main Street
City:	Milton-Freewat St: OR Zip: 97862	City:	Milton-Freewate St: OR Zip: 97862
Attn:	Bob Bower	Phone:	FAX:
Phone:	541.938-2170 FAX:	P.O.#:	Attn:
Email:		☐ Visa ☐ M/C ☐ A/E	Expires /
Project	Locher / Hall Wetland / HBDIC	Card#:	

For Lab Use Only
Ref #

Check Regulatory Program
- ☐ Safe Drinking Water Act
- ☐ Clean Water Act
- ☐ RCRA / CERCLA
- ☒ Other

ANALYTICAL LABORATORIES
1620 S. Walnut St.
Burlington, WA 98233
1.800.755.9295

805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

Instructions
1. Use one line per sample.
2. Be specific in analysis requests.
3. Check off analyses to be performed for each sample.
4. Enter number of containers.

Turn Around Time Required
- ☒ Standard
- ☐ Half-time (50% surcharge)
- ☐ Quickest (100% surcharge)
- ☐ Other

Analyses Requested

	Field ID	Location	Grab/ Comp.	Matrix	Date	Time	531	Bromate	Hardness	NO3, COD	SOC Package	TDS, Cl, O-Phos,pH,Turb,Ec	525		Number of Containers
1	HBDIC ORS 1	HBDIC	\	\	5/27/08	7:30	☒	☒	☒	☒	☒	☒	☒	☐	9
2	L-1	Locher Rd				8:15	☒	☒	☒	☒	☐	☒	☒	☐	6
3	L-2	Locher Rd				8:45	☒	☒	☒	☒	☐	☒	☒	☐	6
4	L-3	Locher Rd				9:25	☒	☒	☒	☒	☐	☒	☒	☐	6
5	L-Intake	Locher Rd				9:45	☒	☒	☒	☒	☐	☒	☒	☐	6
6	L-S1	mud Creek				10:00	☒	☒	☒	☒	☐	☒	☒	☐	6
7	L-S2	mud Creek				10:30	☒	☒	☒	☒	☐	☒	☒	☐	6
8	HW #1	Hall Wetland				11:18	☒	☒	☒	☒	☒	☒	☒	☐	9
9	HW #2	Hall Wetland				11:40	☒	☒	☒	☒	☒	☒	☒	☐	9
10	HW #3	Hall Wetland				10:45	☒	☒	☒	☒	☒	☒	☒	☐	9

CO005214

Special Instructions Conditions on Receipt

Total Containers ✓

Sampled by: T. Baker Phone: (541) 938-2170 FAX: Email: tom.baker@wwbsdc.org

Sample Receipt Request (Must include FAX or Email) ☐

08-07095
15124 - 15133

Relinquished by	Date	Time	Received by	Date	Time
			L. Kennaugh	5-28-08	

	Yes	No	N/A
Custody seals intact	☐	☐	☐
Sample temp 3 C satisfactory	☐	☐	☐
Samples received intact	☐	☐	
Chain of custody & labels agree	☐	☐	

C.O

525's NOT preserved with HCL - okay per

Appendices I-F

HBDIC Recharge Water Quality Testing:

Lab Results, Notes and Records

2008-2009 Recharge Season

EDGE ANALYTICAL LABORATORIES

Burlington WA | 1620 S Walnut St - 98233
Corporate Office | 800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA | 805 Orchard Dr Suite 4 - 98225
Microbiology | 360.671.0688 • 360.671.1577fax

July 14, 2009

Mr. Bob Bower
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

RE: 09-07724 - HBDIC Recharge Project

Dear Mr. Bob Bower,

Your project: HBDIC Recharge Project, was received on Friday May 29, 2009.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone me at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report
QC Reports
Chain of Custody

EDGE ANALYTICAL LABORATORIES

Burlington WA
Corporate Office
1620 S Walnut St - 98233
800.755.9295 • 360.757.1400 • 360.757.1402fax

Bellingham WA
Microbiology
805 Orchard Dr Suite 4 - 98225
360.671.0688 • 360.671.1577fax

Data Report

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **09-07724**
Project: HBDIC Recharge Project
Report Date: 7/14/09
Date Received: 5/29/09
Peer Review: JM

Sample Description: HBDIC OBS #1 - Observation Well #1
Lab Number: 16045
Sample Date: 5/27/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
14797-55-8	**NITRATE-N**	0.12	0.100	0.015	mg/L	1	300.0	5/29/09	BJ	I090529A	
E-10173	**TOTAL DISSOLVED SOLIDS**	59	10		mg/L	1	SM2540 C	6/3/09	CCN	TDS_090603	
14265-44-2	**ORTHO-PHOSPHATE**	0.18	0.01	0.002	mg/L	1	SM4500-P F	5/29/09	SO	OPHOS-090529B	
16887-00-6	**CHLORIDE**	0.4	0.1	0.012	mg/L	1	300.0	5/29/09	BJ	I090529A	
E-10264	**TOTAL KJELDAHL NITROGEN**	0.34	0.30	0.0486	mg/L	1	SM4500-Norg C	6/3/09	SO	TKN-090603	
E-10162	**TOTAL SUSPENDED SOLIDS**	ND	4	1.68	mg/L	1	SM2540 D	5/29/09	MAK	TSS_090529	
E-10195	**TOTAL ORGANIC CARBON**	1.14	0.50	0.07	mg/L	1	SM5310 B	6/2/09	BJ	TOC_090602	
E-10117	**CHEMICAL OXYGEN DEMAND**	ND	8.0	2.47	mg/L	1	SM5220 D	6/2/09	MAK	COD_090602	

Sample Description: HBDIC OBS #1 - Duplicated
Lab Number: 16046
Sample Date: 5/27/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
14797-55-8	**NITRATE-N**	0.13	0.100	0.015	mg/L	1	300.0	5/29/09	BJ	I090529A	
E-10173	**TOTAL DISSOLVED SOLIDS**	60	10		mg/L	1	SM2540 C	6/3/09	CCN	TDS_090603	
14265-44-2	**ORTHO-PHOSPHATE**	0.18	0.01	0.002	mg/L	1	SM4500-P F	5/29/09	SO	OPHOS-090529B	
16887-00-6	**CHLORIDE**	0.4	0.1	0.012	mg/L	1	300.0	5/29/09	BJ	I090529A	
E-10264	**TOTAL KJELDAHL NITROGEN**	0.38	0.30	0.0486	mg/L	1	SM4500-Norg C	6/3/09	SO	TKN-090603	
E-10162	**TOTAL SUSPENDED SOLIDS**	ND	4	1.68	mg/L	1	SM2540 D	5/29/09	MAK	TSS_090529	
E-10195	**TOTAL ORGANIC CARBON**	1.18	0.50	0.07	mg/L	1	SM5310 B	6/2/09	BJ	TOC_090602	
E-10117	**CHEMICAL OXYGEN DEMAND**	ND	8.0	2.47	mg/L	1	SM5220 D	6/2/09	MAK	COD_090602	

Notes:
ND - Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Form: cRslt_2.rpt

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CARBAMATES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Project::
Field ID: HBDIC OBS #1
Sample Description: Observation Well #1
Sampled By:
Sample Date: 5/27/09
Source Type:
Sampler Phone:

Reference Number: 09-07724
Project: HBDIC Recharge Project

Lab Number: 16045
Report Date: 6/4/09
Date Analyzed: 06/03/09
Date Extracted: 531_090603
Analyst: CO
Peer Review:
Analytical Method: 531.2
Carbamates

CAS	COMPOUND	RESULTS	UNITS	PQL	MDL	MCL	COMMENT
EPA Regulated							
23135-22-0	OXYMAL	**ND**	ug/L	1.0	0.3	200	
1563-66-2	CARBOFURAN	**ND**	ug/L	1.0	0.2	40	
EPA Unregulated							
1646-87-3	ALDICARB SULFOXIDE	**ND**	ug/L	1.0	0.3		
1646-88-4	ALDICARB SULFONE	**ND**	ug/L	1.0	0.3		
16752-77-5	METHOMYL	**ND**	ug/L	1.0	0.3		
16655-82-6	3-HYDROXYCARBOFURAN	**ND**	ug/L	1.0	0.3		
116-06-3	ALDICARB	**ND**	ug/L	1.0	0.3		
63-25-2	CARBARYL	**ND**	ug/L	1.0	0.2		
State Unregulated - Other							
114-26-1	PROPOXUR (BAYGON)	**ND**	ug/L	1.0	0.4		
2032-65-7	METHIOCARB	**ND**	ug/L	1.0	0.3		

NOTE: If a compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA; Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.
Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.
ND (Not Detected): indicates that the parameter was not detected above the State Reporting Limit (SRL).

If you have any questions concerning this report contact at the above phone number.

FORM: SOC_gen.rpt

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CARBAMATES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Project::
Field ID: HBDIC OBS #1
Sample Description: Duplicated
Sampled By:
Sample Date: 5/27/09
Source Type:
Sampler Phone:

Reference Number: 09-07724
Project: HBDIC Recharge Project

Lab Number: 16046
Report Date: 6/4/09
Date Analyzed: 06/03/09
Date Extracted: 531_090603
Analyst: CO
Peer Review:
Analytical Method: 531.2
Carbamates

CAS	COMPOUND	RESULTS	UNITS	PQL	MDL	MCL	COMMENT
EPA Regulated							
23135-22-0	OXYMAL	**ND**	ug/L	1.0	0.3	200	
1563-66-2	CARBOFURAN	**ND**	ug/L	1.0	0.2	40	
EPA Unregulated							
1646-87-3	ALDICARB SULFOXIDE	**ND**	ug/L	1.0	0.3		
1646-88-4	ALDICARB SULFONE	**ND**	ug/L	1.0	0.3		
16752-77-5	METHOMYL	**ND**	ug/L	1.0	0.3		
16655-82-6	3-HYDROXYCARBOFURAN	**ND**	ug/L	1.0	0.3		
116-06-3	ALDICARB	**ND**	ug/L	1.0	0.3		
63-25-2	CARBARYL	**ND**	ug/L	1.0	0.2		
State Unregulated - Other							
114-26-1	PROPOXUR (BAYGON)	**ND**	ug/L	1.0	0.4		
2032-65-7	METHIOCARB	**ND**	ug/L	1.0	0.3		

NOTE:
If found is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA; Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.
Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.
ND (Not Detected): indicates that the parameter was not detected above the State Reporting Limit (SRL).

If you have any questions concerning this report contact at the above phone number.

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HERBICIDES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Project::
Field ID: HBDIC OBS #1
Sample Description: Observation Well #1
Sampled By:
Sample Date: 5/27/09
Source Type:
Sampler Phone:

Reference Number: 09-07724
Project: HBDIC Recharge Project

Lab Number: 16045
Report Date: 6/10/09
Date Analyzed: 06/04/09
Date Extracted: 515.4_090603
Analyst: CO
Peer Review:
Analytical Method: 515.4
Herbicides in Drinking Water

CAS	COMPOUND	RESULTS	UNITS	PQL	MDL	MCL	COMMENT
EPA Regulated							
94-75-7	2,4 - D	ND	ug/L	0.5	0.2	70	
93-72-1	2,4,5 - TP (SILVEX)	ND	ug/L	0.25	0.04	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.25	0.05	1	
7 0	DALAPON	ND	ug/L	3.25	0.9	200	
88-85-7	DINOSEB	ND	ug/L	0.5	0.2	7	
1918-02-1	PICLORAM	ND	ug/L	0.25	0.07	500	
Other							
E-14028	DCPA (ACID METABOLITES)	ND	ug/L	0.25	0.1		
1918-00-9	DICAMBA	ND	ug/L	0.25	0.05		
94-82-6	2,4 DB	ND	ug/L	2	2		
93-76-5	2,4,5 T	ND	ug/L	0.25	0.04		
25057-89-0	BENTAZON	ND	ug/L	0.5	0.2		
120-36-5	DICHLORPROP	ND	ug/L	0.75	0.5		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.25	0.1		
133-90-4	CHLORAMBEN	ND	ug/L		0.3		qualitiative analysis
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.25	0.2		

NOTES:
If [illegible]ound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
M[illegible]aximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA; Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.
Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.
ND (Not Detected): indicates that the parameter was not detected above the State Reporting Limit (SRL).

If you have any questions concerning this report contact at the above phone number.

FORM: SOC_gen.rpt

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HERBICIDES IN DRINKING WATER

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Project::
Field ID: HBDIC OBS #1
Sample Description: Duplicated
Sampled By:
Sample Date: 5/27/09
Source Type:
Sampler Phone:

Reference Number: 09-07724
Project: HBDIC Recharge Project

Lab Number: 16046
Report Date: 6/10/09
Date Analyzed: 06/04/09
Date Extracted: 515.4_090603
Analyst: CO
Peer Review: pm
Analytical Method: 515.4
Herbicides in Drinking Water

CAS	COMPOUND	RESULTS	UNITS	PQL	MDL	MCL	COMMENT
EPA Regulated							
94-75-7	2,4 - D	ND	ug/L	0.5	0.2	70	
93-72-1	2,4,5 - TP (SILVEX)	ND	ug/L	0.25	0.04	50	
87-86-5	PENTACHLOROPHENOL	ND	ug/L	0.25	0.05	1	
7[illegible]-0	DALAPON	ND	ug/L	3.25	0.9	200	
88-85-7	DINOSEB	ND	ug/L	0.5	0.2	7	
1918-02-1	PICLORAM	ND	ug/L	0.25	0.07	500	
Other							
E-14028	DCPA (ACID METABOLITES)	ND	ug/L	0.25	0.1		
1918-00-9	DICAMBA	ND	ug/L	0.25	0.05		
94-82-6	2,4 DB	ND	ug/L	2	2		
93-76-5	2,4,5 T	ND	ug/L	0.25	0.04		
25057-89-0	BENTAZON	ND	ug/L	0.5	0.2		
120-36-5	DICHLORPROP	ND	ug/L	0.75	0.5		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.25	0.1		
133-90-4	CHLORAMBEN	ND	ug/L		0.3		qualitiative analysis
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.25	0.2		

NOTES:
If [illegible]ound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
M[illegible]ximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA; Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blan[illegible]CL value indicates a level is not currently established.
Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.
ND (Not Detected): indicates that the parameter was not detected above the State Reporting Limit (SRL).

If you have any questions concerning this report contact at the above phone number.

FORM: SOC_gen.rpt

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WSDOE Lab C1251

DATA REPORT

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **09-07724**
Project: HBDIC Recharge Project

Lab Number: 16045
Field ID: HBDIC OBS #1
Sample Description: Observation Well #1
Matrix: Water
Sample Date: 5/27/09
Extraction Date: 6/9/09
Extraction Method: 3535

Report Date: 7/14/09
Date Analyzed: 7/6/09
Analyst: CO
Peer Review:
Analytical Method: 525.2
Batch: 525X_090609

CAS	Compound	RESULT	Flag	UNITS	PQL	MDL	D.F.	COMMENT
80-05-7	BISPHENOL-A	3.2		ug/L	1		1.00	
60-51-5	DIMETHOATE	ND		ug/L	0.5	0.03	1.00	
37-19-	METALAXYL	ND		ug/L	0.1	-	1.00	
15299-99-	NAPROPAMIDE	ND		ug/L	0.1	0.05	1.00	
122-34-9	SIMAZINE	ND		ug/L	0.1	0.03	1.00	
86-86-2	1-NAPHTHALENEACETAMIDE	ND		ug/L	0.5	-	1.00	
333-41-5	DIAZINON	ND		ug/L	0.1	0.04	1.00	
60168-88-	FENARIMOL	ND		ug/L	0.1	0.03	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.1	0.03	1.00	
7786-34-7	MEVINPHOS	ND		ug/l	0.1	0.03	1.00	
86-50-0	AZINPHOS-METHYL	ND		ug/L	0.5	0.12	1.00	
2921-88-2	CHLORPYRIFOS	ND		ug/L	0.1	0.04	1.00	
72-54-8	4,4-DDD	ND		ug/L	0.1	0.02	1.00	
72-55-9	4,4-DDE	ND		ug/L	0.1	0.02	1.00	
50-29-3	4,4-DDT	ND		ug/L	0.1	0.03	1.00	
115-32-2	DICOFOL	ND		ug/L	1	-	1.00	
121-75-5	MALATHION	ND		ug/L	0.1	0.05	1.00	
298-00-0	METHYL PARATHION	ND		ug/L	0.5	0.1	1.00	
56-38-2	PARATHION-ETHYL	ND		ug/L	0.1	0.05	1.00	
732-11-6	PHOSMET	ND		ug/L	0.5	-	1.00	
43121-43-	TRIADIMEFON	ND		ug/L	0.1	0.07	1.00	
68694-11-	TRIFLUMIZOLE	ND		ug/L	1.0	1.0	1.00	
950-37-8	METHIDATHINON	ND		ug/L	0.5	0.5	1.00	
88671-89-	MYCLOBUTANIL	ND		ug/L	0.5	0.5	1.00	

es:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.
PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

If you have any questions concerning this report contact at the above phone number.

Form: c608.rpt

CAS	Compound	RESULT	Flag	UNITS	PQL	MDL	D.F.	COMMENT
51235-04-	HEXAZINONE	**ND**		ug/L	0.1	0.05	1.00	
2312-35-8	PROPARGITE	**ND**		ug/L		-	1.00	Qualitative analysis

ES:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.
PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

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WSDOE Lab C1251

DATA REPORT

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **09-07724**
Project: HBDIC Recharge Project

Lab Number: 16046
Field ID: HBDIC OBS #1
Sample Description: Duplicated
Matrix: Water
Sample Date: 5/27/09
Extraction Date: 6/9/09
Extraction Method: 3535

Report Date: 7/14/09
Date Analyzed: 7/6/09
Analyst: CO
Peer Review:
Analytical Method: 525.2
Batch: 525X_090609

CAS	Compound	RESULT	Flag	UNITS	PQL	MDL	D.F.	COMMENT
80-05-7	BISPHENOL-A	**1.5**		ug/L	1		1.00	
60-51-5	DIMETHOATE	**ND**		ug/L	0.5	0.03	1.00	
57837-19-	METALAXYL	**ND**		ug/L	0.1	-	1.00	
1299-99-	NAPROPAMIDE	**ND**		ug/L	0.1	0.05	1.00	
122-34-9	SIMAZINE	**ND**		ug/L	0.1	0.03	1.00	
86-86-2	1-NAPHTHALENEACETAMIDE	**ND**		ug/L	0.5	-	1.00	
333-41-5	DIAZINON	**ND**		ug/L	0.1	0.04	1.00	
60168-88-	FENARIMOL	**ND**		ug/L	0.1	0.03	1.00	
58-89-9	LINDANE (BHC - GAMMA)	**ND**		ug/L	0.1	0.03	1.00	
7786-34-7	MEVINPHOS	**ND**		ug/l	0.1	0.03	1.00	
86-50-0	AZINPHOS-METHYL	**ND**		ug/L	0.5	0.12	1.00	
2921-88-2	CHLORPYRIFOS	**ND**		ug/L	0.1	0.04	1.00	
72-54-8	4,4-DDD	**ND**		ug/L	0.1	0.02	1.00	
72-55-9	4,4-DDE	**ND**		ug/L	0.1	0.02	1.00	
50-29-3	4,4-DDT	**ND**		ug/L	0.1	0.03	1.00	
115-32-2	DICOFOL	**ND**		ug/L	1	-	1.00	
121-75-5	MALATHION	**ND**		ug/L	0.1	0.05	1.00	
298-00-0	METHYL PARATHION	**ND**		ug/L	0.5	0.1	1.00	
56-38-2	PARATHION-ETHYL	**ND**		ug/L	0.1	0.05	1.00	
732-11-6	PHOSMET	**ND**		ug/L	0.5	-	1.00	
43121-43-	TRIADIMEFON	**ND**		ug/L	0.1	0.07	1.00	
68694-11-	TRIFLUMIZOLE	**ND**		ug/L	1.0	1.0	1.00	
950-37-8	METHIDATHINON	**ND**		ug/L	0.5	0.5	1.00	
88671-89-	MYCLOBUTANIL	**ND**		ug/L	0.5	0.5	1.00	

tes:
gs are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.
PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

If you have any questions concerning this report contact at the above phone number.

Form: c608.rpt

CAS	Compound	RESULT	Flag	UNITS	PQL	MDL	D.F.	COMMENT
51235-04-	HEXAZINONE	**ND**		ug/L	0.1	0.05	1.00	
2312-35-8	PROPARGITE	**ND**		ug/L		-	1.00	Qualitative analysis

.es:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.
PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 09-07724
Report Date: 07/14/09

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
515.4_090603	2,4 - D	8.9	10	ug/L	515.4	89	70-130		LFB	
	2,4 - DCAA (SURR)	93		%	515.4		70-130			
	2,4 DB	33.9	40	ug/L	515.4	85	70-130			
	2,4,5 - TP (SILVEX)	5.17	5	ug/L	515.4	103	70-130			
	2,4,5 T	5.35	5	ug/L	515.4	107	70-130			
	ACIFLUORFEN	5.1	5	ug/L	515.4	102	70-130			
	BENTAZON	10.6	10	ug/L	515.4	106	70-130			
	CHLORAMBEN	0.17	0.25	ug/L	515.4	68	70-130	C1		
	DALAPON	59.3	65	ug/L	515.4	91	70-130			
	DCPA (ACID METABOLITES)	4.92	5	ug/L	515.4	98	70-130			
	DICAMBA	4.8	5	ug/L	515.4	96	70-130			
	DICHLORPROP	13.3	15	ug/L	515.4	89	70-130			
	DINOSEB	10.4	10	ug/L	515.4	104	70-130			
	PENTACHLOROPHENOL	4.92	5	ug/L	515.4	98	70-130			
	PICLORAM	5.55	5	ug/L	515.4	111	70-130			
525_090609	1,3-DIMETHYL-2-NITROBENZENE (Surr)	90		%	525.2		70-130		LFB	
	4,4-DDD	0.9	1	ug/L	525.2	90	70-130			
	4,4-DDE	0.95	1	ug/L	525.2	95	70-130			
	4,4-DDT	0.86	1	ug/L	525.2	86	70-130			
	LINDANE (BHC - GAMMA)	0.92	1	ug/L	525.2	92	70-130			
	PERYLENE-D12 (Surr)	96		%	525.2		70-130			
	PYRENE-D10 (Surr)	101		%	525.2		70-130			
	SIMAZINE	1.05	1	ug/L	525.2	105	70-130			
	TRIPHENYLPHOSPHATE (Surr)	102		%	525.2		70-130			
525X_090609	1-NAPHTHALENEACETAMIDE	1.5	2	ug/L	525.2	75	70-130		LFB	
	AZINPHOS-METHYL	1	1	ug/L	525.2	100	70-130			
	BISPHENOL-A	4.9	5	ug/L	525.2	98	85-115			
	CHLORPYRIFOS	2.7	3	ug/L	525.2	90	70-130			
	DICOFOL	1.6	2	ug/L	525.2	80	70-130			
	DIMETHOATE	0.2	1	ug/L	525.2	20	70-130	N1		
	FENARIMOL	0.8	1	ug/L	525.2	80	70-130			
	HEXAZINONE	0.9	1	ug/L	525.2	90	70-130			

*Notation:

Recovery = (Result of Analysis)/(True Value) * 100

. = Indicates % Recovery could not be calculated.

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EDGE ANALYTICAL LABORATORIES

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Microbiology | 360.671.0688 • 360.671.1577fax

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 09-07724
Report Date: 07/14/09

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
525X_090609	MALATHION	2.2	2	ug/L	525.2	110	70-130		LFB	
	METALAXYL	1.9	2	ug/L	525.2	95	70-130			
	METHIDATHINON	1.9	2	ug/L	525.2	95	85-115			
	METHYL PARATHION	0.85	1	ug/L	525.2	85	70-130			
	MEVINPHOS	1.6	2	ug/L	525.2	80	70-130			
	MYCLOBUTANIL	1.85	2	ug/L	525.2	93	85-115			
	NAPROPAMIDE	0.85	1	ug/L	525.2	85	70-130			
	PARATHION-ETHYL	1.8	2	ug/L	525.2	90	70-130			
	PHOSMET	1.8	2	ug/L	525.2	90	70-130			
	PROPARGITE	1.9	2	ug/L	525.2	95	85-115			
	TRIADIMEFON	0.7	1	ug/L	525.2	70	70-130			
	TRIFLUMIZOLE	1.6	2	ug/L	525.2	80	85-115			
525X_090609	1-NAPHTHALENEACETAMIDE	2.5	2	ug/L	525.2	125	70-130		LFB	
	AZINPHOS-METHYL	1.5	1	ug/L	525.2	150	70-130			
	CHLORPYRIFOS	3.7	3	ug/L	525.2	123	70-130			
	DICOFOL	3.5	3	ug/L	525.2	117	70-130			
	DIMETHOATE	0.8	1	ug/L	525.2	80	70-130			
	FENARIMOL	2.3	2	ug/L	525.2	115	70-130			
	HEXAZINONE	1.2	1	ug/L	525.2	120	70-130			
	MALATHION	4.3	4	ug/L	525.2	108	70-130			
	METALAXYL	2.3	2	ug/L	525.2	115	70-130			
	METHIDATHINON	3.8	2	ug/L	525.2	190	85-115			
	METHYL PARATHION	1.6	2	ug/L	525.2	80	70-130			
	MEVINPHOS	2.8	2	ug/L	525.2	140	70-130			
	MYCLOBUTANIL	2.7	2	ug/L	525.2	135	85-115			
	NAPROPAMIDE	1.1	1	ug/L	525.2	110	70-130			
	PARATHION-ETHYL	2.3	3	ug/L	525.2	77	70-130			
	PHOSMET	3.3	2	ug/L	525.2	165	70-130			
	PROPARGITE	3.5	2	ug/L	525.2	175	85-115			
	TRIADIMEFON	2.3	2	ug/L	525.2	115	70-130			
	TRIFLUMIZOLE	2.3	2	ug/L	525.2	115	85-115			
531_090603	3-HYDROXYCARBOFURAN	10.7	10	ug/L	531.2	107	70-130		LFB	
	ALDICARB	10.3	10	ug/L	531.2	103	70-130			
	ALDICARB SULFONE	11.5	10	ug/L	531.2	115	70-130			

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FORM: QC Independent

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 09-07724
Report Date: 07/14/09

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
531_090603	ALDICARB SULFOXIDE	10.3	10	ug/L	531.2	103	70-130		LFB	
	BDMC (SURR)	110		%	531.2		70-130			
	CARBARYL	10.4	10	ug/L	531.2	104	70-130			
	CARBOFURAN	10.5	10	ug/L	531.2	105	70-130			
	METHIOCARB	11.1	10	ug/L	531.2	111	70-130			
	METHOMYL	10.2	10	ug/L	531.2	102	70-130			
	OXYMAL	12.8	10	ug/L	531.2	128	70-130			
	PROPOXUR (BAYGON)	10.9	10	ug/L	531.2	109	70-130			
531_090603	3-HYDROXYCARBOFURAN	20	20	ug/L	531.2	100	70-130		LFB	
	ALDICARB	18.5	20	ug/L	531.2	93	70-130			
	ALDICARB SULFONE	21.6	20	ug/L	531.2	108	70-130			
	ALDICARB SULFOXIDE	19	20	ug/L	531.2	95	70-130			
	BDMC (SURR)	106		%	531.2		70-130			
	CARBARYL	18.7	20	ug/L	531.2	94	70-130			
	CARBOFURAN	19.5	20	ug/L	531.2	98	70-130			
	METHIOCARB	19.6	20	ug/L	531.2	98	70-130			
	METHOMYL	20.2	20	ug/L	531.2	101	70-130			
	OXYMAL	22.5	20	ug/L	531.2	113	70-130			
	PROPOXUR (BAYGON)	20.2	20	ug/L	531.2	101	70-130			
COD_090602	CHEMICAL OXYGEN DEMAND	47	50	mg/L	SM5220 D	94	80-120		LFB	
OPHOS-090529B	ORTHO-PHOSPHATE	0.96	1.00	mg/L	SM4500-P F	96	80-120		LFB	
tds_090603	TOTAL DISSOLVED SOLIDS	494	500	mg/L	SM2540 C	99	80-120		LFB	
tds_090603	TOTAL DISSOLVED SOLIDS	464	500	mg/L	SM2540 C	93	80-120		LFB	
TKN-090603	TOTAL KJELDAHL NITROGEN	3.20	3.00	mg/L	SM4500-Norg C	107	80-120		LFB	
TOC_090602	TOTAL ORGANIC CARBON	1.04	1.00	mg/L	SM5310 B	104	90-110		LFB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 09-07724
Report Date: 07/14/09

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
TSS_090529	TOTAL SUSPENDED SOLIDS	480	500	mg/L	SM2540 D	96	80-120		LFB	
TSS_090529	TOTAL SUSPENDED SOLIDS	480	500	mg/L	SM2540 D	96	80-120		LFB	
TSS_090529	TOTAL SUSPENDED SOLIDS	480	500	mg/L	SM2540 D	96	80-120		LFB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Low Level Laboratory Fortified Blank

Reference Number: 09-07724
Report Date: 07/14/09

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
515.4_090603	2,4 - D	0.34	0.25	ug/L	515.4	136	50-150		LFBD	
	2,4 - DCAA (SURR)	104		%	515.4		70-130			
	2,4 DB	1.6	2	ug/L	515.4	80	50-150			
	2,4,5 - TP (SILVEX)	0.12	0.125	ug/L	515.4	96	50-150			
	2,4,5 T	0.14	0.125	ug/L	515.4	112	50-150			
	ACIFLUORFEN	0.28	0.25	ug/L	515.4	112	50-150			
	BENTAZON	0.36	0.5	ug/L	515.4	72	50-150			
	DALAPON	1.59	1.6	ug/L	515.4	99	50-150			
	DCPA (ACID METABOLITES)	0.2	0.125	ug/L	515.4	160	50-150	C1		
	DICAMBA	0.13	0.125	ug/L	515.4	104	50-150			
	DICHLORPROP	0.47	0.375	ug/L	515.4	125	50-150			
	DINOSEB	0.24	0.25	ug/L	515.4	96	50-150			
	PENTACHLOROPHENOL	0.11	0.125	ug/L	515.4	88	50-150			
	PICLORAM	0.13	0.125	ug/L	515.4	104	50-150			
531_090603	3-HYDROXYCARBOFURAN	0.97	1	ug/L	531.2	97	50-150		LFBD	
	ALDICARB	0.95	1	ug/L	531.2	95	50-150			
	ALDICARB SULFONE	0.98	1	ug/L	531.2	98	50-150			
	ALDICARB SULFOXIDE	0.75	1	ug/L	531.2	75	50-150			
	BDMC (SURR)	105		%	531.2		50-150			
	CARBARYL	0.93	1	ug/L	531.2	93	50-150			
	CARBOFURAN	1	1	ug/L	531.2	100	50-150			
	METHIOCARB	0.98	1	ug/L	531.2	98	50-150			
	METHOMYL	1	1	ug/L	531.2	100	50-150			
	OXYMAL	1.2	1	ug/L	531.2	120	50-150			
	PROPOXUR (BAYGON)	1	1	ug/L	531.2	100	50-150			

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 09-07724
Report Date: 07/14/09

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
COD_090602	CHEMICAL OXYGEN DEMAND	ND		mg/L	SM5220 D		4.00000		LRB	
I090529A	CHLORIDE	ND		mg/L	300.0		0.10000		LRB	
	NITRATE-N	ND		mg/L	300.0		0.10000			
OPHOS-090529B	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0.10000		LRB	
TKN-090603	TOTAL KJELDAHL NITROGEN	ND		mg/L	SM4500-Norg C		1.00000		LRB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 09-07724
Report Date: 07/14/09

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
515.4_090603	2,4 - D	ND		ug/L	515.4		0.10000		MB	
	2,4 - DCAA (SURR)	87		%	515.4					
	2,4 DB	ND		ug/L	515.4		0.60000			
	2,4,5 - TP (SILVEX)	ND		ug/L	515.4		0.08000			
	2,4,5 T	ND		ug/L	515.4		0.08000			
	ACIFLUORFEN	ND		ug/L	515.4		0.08000			
	BENTAZON	ND		ug/L	515.4		0.10000			
	CHLORAMBEN	ND		ug/L	515.4		0.08000			
	DALAPON	ND		ug/L	515.4		1.00000			
	DCPA (ACID METABOLITES)	ND		ug/L	515.4		0.08000			
	DICAMBA	ND		ug/L	515.4		0.08000			
	DICHLORPROP	ND		ug/L	515.4		0.20000			
	DINOSEB	ND		ug/L	515.4		0.10000			
	PENTACHLOROPHENOL	ND		ug/L	515.4		0.08000			
	PICLORAM	ND		ug/L	515.4		0.08000			
525_090609	1,3-DIMETHYL-2-NITROBENZENE (Surr)	89		%	525.2				MB	
	4,4-DDD	ND		ug/L	525.2		0.05000			
	4,4-DDE	ND		ug/L	525.2		0.05000			
	4,4-DDT	ND		ug/L	525.2		0.05000			
	LINDANE (BHC - GAMMA)	ND		ug/L	525.2		0.02000			
	PERYLENE-D12 (Surr)	87		%	525.2					
	PYRENE-D10 (Surr)	100		%	525.2					
	SIMAZINE	ND		ug/L	525.2		0.02000			
	TRIPHENYLPHOSPHATE (Surr)	126		%	525.2					
525X_090609	1-NAPHTHALENEACETAMIDE	ND		ug/L	525.2		0.10000		MB	
	AZINPHOS-METHYL	ND		ug/L	525.2		0.00000			
	CHLORPYRIFOS	ND		ug/L	525.2		0.00000			
	DICOFOL	ND		ug/L	525.2		0.00000			
	DIMETHOATE	ND		ug/L	525.2		0.00000			
	FENARIMOL	ND		ug/L	525.2		0.00000			
	HEXAZINONE	ND		ug/L	525.2		0.00000			
	MALATHION	ND		ug/L	525.2		0.05000			

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 09-07724
Report Date: 07/14/09

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
525X_090609	METALAXYL	ND		ug/L	525.2		0.10000		MB	
	METHIDATHINON	ND		ug/L	525.2		0.50000			
	METHYL PARATHION	ND		ug/L	525.2		0.00000			
	MEVINPHOS	ND		ug/L	525.2		0.00000			
	MYCLOBUTANIL	ND		ug/L	525.2		0.50000			
	NAPROPAMIDE	ND		ug/L	525.2		0.00000			
	PARATHION-ETHYL	ND		ug/L	525.2		0.05000			
	PHOSMET	ND		ug/L	525.2		0.10000			
	PROPARGITE	ND		ug/L	525.2		0.00000			
	TRIADIMEFON	ND		ug/L	525.2		0.00000			
	TRIFLUMIZOLE	ND		ug/L	525.2		1.00000			
1_090603	3-HYDROXYCARBOFURAN	ND		ug/L	531.2		0.50000		MB	
	ALDICARB	ND		ug/L	531.2		0.25000			
	ALDICARB SULFONE	ND		ug/L	531.2		0.40000			
	ALDICARB SULFOXIDE	ND		ug/L	531.2		0.25000			
	CARBARYL	ND		ug/L	531.2		0.50000			
	CARBOFURAN	ND		ug/L	531.2		0.45000			
	METHIOCARB	ND		ug/L	531.2		1.00000			
	METHOMYL	ND		ug/L	531.2		0.25000			
	OXYMAL	ND		ug/L	531.2		1.00000			
	PROPOXUR (BAYGON)	ND		ug/L	531.2		0.25000			
OPHOS-090529B	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0.10000		MB	
tds_090603	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		2.50000		MB	
tds_090603	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		2.50000		MB	
TKN-090603	TOTAL KJELDAHL NITROGEN	ND		mg/L	SM4500-Norg C		0.12000		MB	
TOC_090602	TOTAL ORGANIC CARBON	ND		mg/L	SM5310 B		0.12000		MB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 09-07724
Report Date: 07/14/09

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
TSS_090529	TOTAL SUSPENDED SOLIDS	ND		mg/L	SM2540 D		1.00000		MB	
TSS_090529	TOTAL SUSPENDED SOLIDS	ND		mg/L	SM2540 D		1.00000		MB	
TSS_090529	TOTAL SUSPENDED SOLIDS	ND		mg/L	SM2540 D		1.00000		MB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 09-07724
Report Date: 07/14/09

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
531_090603	3-HYDROXYCARBOFURAN	54.5	46.9	ug/L	531.2	116	70-130		QCS	
	ALDICARB	29.8	29.5	ug/L	531.2	101	70-130			
	ALDICARB SULFONE	26.9	25.5	ug/L	531.2	105	70-130			
	ALDICARB SULFOXIDE	45.8	40	ug/L	531.2	115	70-130			
	BDMC (SURR)	113		%	531.2		70-130			
	CARBARYL	59.8	57.8	ug/L	531.2	103	70-130			
	CARBOFURAN	84.6	81.2	ug/L	531.2	104	70-130			
	METHIOCARB	64.9	58.1	ug/L	531.2	112	70-130			
	METHOMYL	57.7	53.7	ug/L	531.2	107	70-130			
	OXYMAL	52.5	51.2	ug/L	531.2	103	70-130			
	PROPOXUR (BAYGON)	96.9	91.2	ug/L	531.2	106	70-130			
D_090602	CHEMICAL OXYGEN DEMAND	92	92	mg/L	SM5220 D	100	80-120		QCS	
I090529A	CHLORIDE	30.3	30.0	mg/L	300.0	101	80-120		QCS	
	NITRATE-N	2.39	2.50	mg/L	300.0	96	80-120			
OPHOS-090529B	ORTHO-PHOSPHATE	0.46	0.49	mg/L	SM4500-P F	94	80-120		QCS	
TKN-090603	TOTAL KJELDAHL NITROGEN	3.08	3.00	mg/L	SM4500-Norg C	103	80-120		QCS	
TOC_090602	TOTAL ORGANIC CARBON	4.62	4.50	mg/L	SM5310 B	103	90-110		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100
= Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

FORM: QC Independent

ANALYTICAL LABORATORIES

Burlington WA | 1620 S Walnut St - 98233
Corporate Office | 800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA | 805 Orchard Dr Suite 4 - 98225
Microbiology | 360.671.0688 • 360.671.1577fax

QUALITY CONTROL REPORT

Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Reference Number: 09-07724
Report Date: 7/14/2009

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
525_090609									
	16046	1,3-DIMETHYL-2-NITROBENZENE (Surr	90	90	%	**0.0**	0-45	DUP	
	16046	PYRENE-D10 (Surr)	98	101	%	**3.0**	0-45	DUP	
	16046	PERYLENE-D12 (Surr)	89	98	%	**9.6**	0-45	DUP	
	16046	TRIPHENYLPHOSPHATE (Surr)	112	108	%	**3.6**	0-45	DUP	
525X_090609									
	16046	BISPHENOL-A	1.5	1.2	ug/L	**22.2**	0-20	DUP	
	16046	1,3-DIMETHYL-2-NITROBENZENE (Surr	90	90	%	**0.0**	0-45	DUP	
	16046	PYRENE-D10 (Surr)	98	94	%	**4.2**	0-45	DUP	
	16046	PERYLENE-D12 (Surr)	89	92	%	**3.3**	0-45	DUP	
	16046	TRIPHENYLPHOSPHATE (Surr)	112	107	%	**4.6**	0-45	DUP	
COD_090602									
I090529A									
	16045	NITRATE-N	0.12	0.12	mg/L	**0.0**	0-45	DUP	
	16045	CHLORIDE	0.4	0.4	mg/L	**0.0**	0-45	DUP	
	16095	NITRATE-N	7.07	7.06	mg/L	**0.1**	0-45	DUP	
	16095	CHLORIDE	7.26	7.25	mg/L	**0.1**	0-45	DUP	
	16104	NITRATE-N	1.33	1.33	mg/L	**0.0**	0-45	DUP	
	16104	CHLORIDE	110	110	mg/L	**0.0**	0-45	DUP	
OPHOS-090529B									
	16102	ORTHO-PHOSPHATE	0.24	0.22	mg/L	**8.7**	0-50	DUP	
	16103	ORTHO-PHOSPHATE	0.24	0.23	mg/L	**4.3**	0-50	DUP	
TDS_090603									
	16530	TOTAL DISSOLVED SOLIDS	155	144	mg/L	**7.4**	0-45	DUP	
TKN-090603									
	15417	TOTAL KJELDAHL NITROGEN	40.6	40.8	mg/L	**0.5**	0-45	DUP	
	15714	TOTAL KJELDAHL NITROGEN	0.68	0.62	mg/L	**9.2**	0-45	DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
	15999	TOTAL KJELDAHL NITROGEN	31.0	29.0	mg/L	**6.7**	0-45	DUP	
TOC_090602									
	15883	TOTAL ORGANIC CARBON	0.95	0.94	mg/L	**1.1**	0-50	DUP	
	16085	TOTAL ORGANIC CARBON	2.16	2.13	mg/L	**1.4**	0-50	DUP	
	16124	TOTAL ORGANIC CARBON	4.27	4.29	mg/L	**0.5**	0-50	DUP	
	16209	TOTAL ORGANIC CARBON	1.68	1.67	mg/L	**0.6**	0-50	DUP	
TSS_090529									

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Comments
515.4_090603														
	15704	2,4 - D	ND	4.27	4.34	5	ug/L	**85**	**87**	70-130	**1.6**	0-50	LFM	
	15704	2,4,5 - TP (SILVEX)	ND	2.42	2.51	2.5	ug/L	**97**	**100**	70-130	**3.7**	0-50	LFM	
	15704	PENTACHLOROPHENOL	ND	2.45	2.44	2.5	ug/L	**98**	**98**	70-130	**0.4**	0-50	LFM	
	15704	DALAPON	ND	26.6	27.4	32.5	ug/L	**82**	**84**	70-130	**3.0**	0-50	LFM	
	15704	DINOSEB	ND	4.89	5.02	5	ug/L	**98**	**100**	70-130	**2.6**	0-50	LFM	
	15704	PICLORAM	ND	2.79	2.9	2.5	ug/L	**112**	**116**	70-130	**3.9**	0-50	LFM	
	15704	DICAMBA	ND	2.52	2.39	2.5	ug/L	**101**	**96**	70-130	**5.3**	0-50	LFM	
	15704	DCPA (ACID METABOLITES)	ND	2.44	2.52	2.5	ug/L	**98**	**101**	70-130	**3.2**	0-50	LFM	
	15704	2,4 DB	ND	19.9	20.8	20	ug/L	**100**	**104**	70-130	**4.4**	0-50	LFM	
	15704	2,4,5 T	ND	2.45	2.52	2.5	ug/L	**98**	**101**	70-130	**2.8**	0-50	LFM	
	15704	BENTAZON	ND	4.96	4.89	5	ug/L	**99**	**98**	70-130	**1.4**	0-50	LFM	
	15704	DICHLORPROP	ND	6.48	6.61	7.2	ug/L	**90**	**92**	70-130	**2.0**	0-50	LFM	
	15704	ACIFLUORFEN	ND	2.79	2.9	2.5	ug/L	**112**	**116**	70-130	**3.9**	0-50	LFM	
	15704	CHLORAMBEN	ND	2.14	1.98	2.5	ug/L	**86**	**79**	70-130	**7.8**	0-50	LFM	
	15704	2,4 - DCAA (SURR)	97	87	95		%		**NA**	70-130	**NA**	0-50	LFM	
525_090609														
	16530	SIMAZINE	ND	1.12		1	mg/L	**112**	**NA**	70-130	**NA**	0-60	LFM	
	16530	LINDANE (BHC - GAMMA)	ND	0.92		1	ug/L	**92**	**NA**	70-130	**NA**	0-60	LFM	
	16530	4,4-DDD	ND	0.91		1	ug/L	**91**	**NA**	70-130	**NA**	0-60	LFM	
	16530	4,4-DDE	ND	0.94		1	ug/L	**94**	**NA**	70-130	**NA**	0-60	LFM	
	16530	4,4-DDT	ND	0.86		1	ug/L	**86**	**NA**	70-130	**NA**	0-60	LFM	
	16530	MALATHION	ND	2.28		2	ug/L	**114**	**NA**	70-130	**NA**	0-60	LFM	
	16530	PARATHION-ETHYL	ND	1.89		2	ug/L	**95**	**NA**	70-130	**NA**	0-60	LFM	
	16530	1,3-DIMETHYL-2-NITROBENZENE (Surr	91	91			%		**NA**	70-130	**NA**	0-60	LFM	
	16530	PYRENE-D10 (Surr)	99	95			%		**NA**	70-130	**NA**	0-60	LFM	
	16530	PERYLENE-D12 (Surr)	86	92			%		**NA**	70-130	**NA**	0-60	LFM	
	16530	TRIPHENYLPHOSPHATE (Surr)	130	104			%		**NA**	70-130	**NA**	0-60	LFM	
531_090603														
	13727	OXYMAL	ND	9	10.3	10	ug/L	**90**	**103**	70-130	**13.5**	0-50	LFM	
	13727	CARBOFURAN	ND	9.3	9.9	10	ug/L	**93**	**99**	70-130	**6.3**	0-50	LFM	
	13727	ALDICARB SULFOXIDE	ND	8.3	8.9	10	ug/L	**83**	**89**	70-130	**7.0**	0-50	LFM	
	13727	ALDICARB SULFONE	ND	9	10.4	10	ug/L	**90**	**104**	70-130	**14.4**	0-50	LFM	
	13727	METHOMYL	ND	9	9	10	ug/L	**90**	**90**	70-130	**0.0**	0-50	LFM	
	13727	3-HYDROXYCARBOFURAN	ND	9.1	9.7	10	ug/L	**91**	**97**	70-130	**6.4**	0-50	LFM	
	13727	ALDICARB	ND	8.7	9.4	10	ug/L	**87**	**94**	70-130	**7.7**	0-50	LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier		Comments
	13727	CARBARYL	ND	8.95	9.3	10	ug/L	**90**	**93**	70-130	**3.8**	0-50		LFM	
	13727	PROPOXUR (BAYGON)	ND	9.6	10.1	10	ug/L	**96**	**101**	70-130	**5.1**	0-50		LFM	
	13727	METHIOCARB	ND	9.4	9.4	10	ug/L	**94**	**94**	70-130	**0.0**	0-50		LFM	
	13727	BDMC (SURR)	105	109	114		%		**NA**	70-130	**NA**	0-50		LFM	
	16045	OXYMAL	ND	2.2		2	ug/L	**110**	**NA**	70-130	**NA**	0-50		LFM	
	16045	CARBOFURAN	ND	2		2	ug/L	**100**	**NA**	70-130	**NA**	0-50		LFM	
	16045	ALDICARB SULFOXIDE	ND	1.9		2	ug/L	**95**	**NA**	70-130	**NA**	0-50		LFM	
	16045	ALDICARB SULFONE	ND	2.4		2	ug/L	**120**	**NA**	70-130	**NA**	0-50		LFM	
	16045	METHOMYL	ND	1.8		2	ug/L	**90**	**NA**	70-130	**NA**	0-50		LFM	
	16045	3-HYDROXYCARBOFURAN	ND	2.1		2	ug/L	**105**	**NA**	70-130	**NA**	0-50		LFM	
	16045	ALDICARB	ND	1.9		2	ug/L	**95**	**NA**	70-130	**NA**	0-50		LFM	
	16045	CARBARYL	ND	2		2	ug/L	**100**	**NA**	70-130	**NA**	0-50		LFM	
	16045	PROPOXUR (BAYGON)	ND	2		2	ug/L	**100**	**NA**	70-130	**NA**	0-50		LFM	
	16045	METHIOCARB	ND	2		2	ug/L	**100**	**NA**	70-130	**NA**	0-50		LFM	
	16045	BDMC (SURR)	113	95			%		**NA**	70-130	**NA**	0-50		LFM	
COD_090602															
	16096	CHEMICAL OXYGEN DEMAND	ND	49	45	50	mg/L	**98**	**90**	80-120	**8.5**	0-60		LFM	
	16103	CHEMICAL OXYGEN DEMAND	ND	46	45	50	mg/L	**92**	**90**	80-120	**2.2**	0-60		LFM	
I090529A															
	16045	NITRATE-N	0.12	1.1		1.00	mg/L	**98**	**NA**	80-120	**NA**	0-60		LFM	
	16045	CHLORIDE	0.4	1.4		1.00	mg/L	**100**	**NA**	80-120	**NA**	0-60		LFM	
	16095	NITRATE-N	7.07	8		1.00	mg/L	**93**	**NA**	80-120	**NA**	0-60		LFM	
	16095	CHLORIDE	7.26	8.12		1.00	mg/L	**86**	**NA**	80-120	**NA**	0-60	M	LFM	
	16104	NITRATE-N	1.33	20.8		20.00	mg/L	**97**	**NA**	80-120	**NA**	0-60		LFM	
	16104	CHLORIDE	110	128		20.00	mg/L	**90**	**NA**	80-120	**NA**	0-60		LFM	
OPHOS-090529B															
	16102	ORTHO-PHOSPHATE	0.24	1.21	1.20	1.00	mg/L	**97**	**96**	70-130	**1.0**	0-50		LFM	
	16103	ORTHO-PHOSPHATE	0.24	1.19	1.19	1.00	mg/L	**95**	**95**	70-130	**0.0**	0-50		LFM	
TKN-090603															
	15736	TOTAL KJELDAHL NITROGEN	118	170		40.0	mg/L	**130**		70-130	**NA**	0-60		LFM	
	15737	TOTAL KJELDAHL NITROGEN	20.0	41.0		20.0	mg/L	**105**		70-130	**NA**	0-60		LFM	
	15862	TOTAL KJELDAHL NITROGEN	0.42	2.54		2.00	mg/L	**106**		70-130	**NA**	0-60		LFM	
TOC_090602															
	16085	TOTAL ORGANIC CARBON	2.16	6.13	6.14	4.00	mg/L	**99**	**100**	65-135	**0.3**	0-70		LFM	
	16209	TOTAL ORGANIC CARBON	1.68	5.63	5.76	4.00	mg/L	**99**	**102**	65-135	**3.2**	0-70		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Qualifier Definitions

Reference Number: 09-07724
Report Date: 07/14/09

Qualifier	Definition
B1	The source of the contamination has been identified as a contaminate in the lab purified water. Data for this compound is suspect if reported.
C1	The compound is co-eluting and increases the amount of error with quantitation.
M	Matrix induced bias assumed.
ME	Matrix spike shows a possible matrix induced bias. The LFB was within acceptance limits, results for this compound are suspect.
N1	Acceptance limits have not been established, the limits listed are for guidance only.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 09-07724
Report Date: 07/14/09

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
515.4_090603						
16045	2,4 - DCAA (SURR)	99		%	515.4	Acceptance Range is 70 - 130%
525_090609						
16045	1,3-DIMETHYL-2-NITROBENZENE (Surr)	91		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	98		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	86		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	102		%		Acceptance Range is 70% to 130%
531_090603						
16045	BDMC (SURR)	113		%	531.2	
515.4_090603						
16046	2,4 - DCAA (SURR)	96		%	515.4	Acceptance Range is 70 - 130%
525_090609						
16046	1,3-DIMETHYL-2-NITROBENZENE (Surr)	90		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	98		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	89		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	112		%		Acceptance Range is 70% to 130%
531_090603						
16046	BDMC (SURR)	109		%	531.2	

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Page 1 of 1

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

6558

Report to:	Walla Walla Basin Watershed Cour	Bill to:	Same ←
Ship Address:	810 S Main Street	Address:	
City:	Milton-Freewa St: OR Zip: 97862	City: St: Zip:	
Attn:	Bob Bower	Phone: FAX:	
Phone:	541.938-2170 FAX:	P.O.#: Attn:	
Email:	bob.bower@wwbwc.org	☐ Visa ☐ M/C ☐ A/E Expires /	
Project	HBDIC Recharge Project	Card#:	

For Lab Use Only
Ref #

Check Regulatory Program
- ☐ Safe Drinking Water Act
- ☐ Clean Water Act
- ☐ RCRA / CERCLA
- ☒ Other Recharge Project

ENCO ANALYTICAL LABORATORIES
1620 S. Walnut St.
Burlington, WA 98233
1.800.755.9295
805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

Analyses Requested

Instructions
- Use one line per sample Location.
- Be specific in analysis requests.
- Check off analyses to be performed for each sample Loaction.
- Enter number of containers.

Turn Around Time Required
- ☒ Standard
- ☐ Half-time (50% surcharge)
- ☐ Quickest (100% surcharge)
- ☐ Other

CO006558

	Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	NO3/Cl/TDS/O-Phos	SOC Package	TKN/COD	TOC	TSS				Number of Containers	Special Instructions Conditions on Receipt
1	HBDIC OBS #1	Observation well #1	C		5-27-9	5:35	☑	☑	☑	☒	☒	☐	☐	☐		none
2	" "	" — Duplicated	C		5-27-9	5:45	☑	☑	☑	☒	☒	☐	☐	☐		
3							☐	☐	☐	☐	☐	☐	☐	☐		
4							☐	☐	☐	☐						
5							☐	☐	☐	☐						
6							☐	☐	☐	☐						
7							☐	☐	☐	☐						
8							☐	☐	☐	☐						
9							☐	☐	☐	☐						
10							☐	☐	☐	☐						

09-07724
16045 - 16046

B/ Dell 509-528-3534

One TOC vial = duplicated broken upon arrival

+515-2 = duplicated

Sampled by: Phone: FAX: Email: Total Containers

Sample Receipt Request (Must include FAX or Email) ☐

* **W** - water **DW** - drinking water **GW** - Ground water **SW** - surface water **S** - soil **WW** - waste water **OL** - oil Other_____

Relinquished by	Date	Time	Received by	Date	Time
B-1 Bower	5-27-9	8:00pm			
				5-28-09	8:30

	Yes	No	N/A
Custody seals intact	☐	☐	☒
Sample temp 4 C satisfactory	☒	☐	☐
Samples received intact	☒	☐	
Chain of custody & labels agree	☒	☐	

ups

NO 77721

CITY OF WALLA WALLA

MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road • Walla Walla, WA 99362
Phone 509/522-3775 • Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected (Month Day Year)	Time Sample Collected	County
11 / 19 / 08	10 : 45 ☒ AM ☐ PM	

Type of Water System (check only one box)
☐ Group A Public ☐ Private Household
☐ Group B Public ☒ Other ASR

Group A and Group B Systems – Provide from Water Facilities Inventory (WFI):
ID# ___ ___ ___ ___ ___ ___
System Name: WWBWC
Contact Person: BOB BOWER
Day Phone: (541) 938-2170 Cell Phone: (509) 520-3534
Eve. Phone: ( ) FAX: ( )

Send results to: (Print full name, address and zip code)
WALLA WALLA BASIN WATERSHED COUNCIL
810 So. MAIN P.O. BOX 68
MILTON-FREEWATER, OR. 97862

SAMPLE INFORMATION

Sample collected by (name):
BOB BOWER

Specific location where sample collected (address or sample site, and type of faucet):
INTAKE

Special instructions or comments:

Type of Sample (must check only **one** box of #1 through #4 listed below)

1. ☐ **Routine Distribution Sample**
Provide information below.
Chlorinated: Yes_____ No_____
Chlorine Residual: Total_____ Free_____

2. ☐ **Repeat Sample (follow-up to an unsatisfactory sample)**
Provide information below.
Unsatisfactory routine lab number:
___ ___ ___ ___ ___ ___ ___ ___
Unsatisfactory routine collect date:
_____/_____/_____
Chlorinated: Yes_____ No_____
Chlorine Residual: Total_____ Free_____

3. ☒ **Raw Water Source Sample**
Required for Surface Water, GWI, and some Spring Sources)
S | | | | ☐ Total Coliform ☐ Fecal Coliform
Public Systems must provide Source Number from (WFI)

4. ☐ **Sample Collected for Information Only**
Construction_____ Repairs_____ Private Residence_____ Other_____

LAB USE ONLY — DRINKING WATER RESULTS — LAB USE ONLY

☐ **Satisfactory**
Total Coliform Absent

☐ **Unsatisfactory**
Total Coliform Present **and**
☐ E.coli present ☐ E.coli absent
☐ Fecal coliform present ☐ Fecal coliform absent

☐ **Replacement Sample Required**

Sample not tested because:
☐ Sample too old (>30 hours)
☐ Improper container
☐ _____

Test unsuitable because:
☐ TNTC
☐ Turbid culture
☐ _____

Bacterial Density Results: Plate Count_____/ml. E.coli_____/100ml.
Total Coliform_____/100ml. Fecal Coliform 19.0 /100ml.

MICR Method Code:	Date and Time Received:
☒ 1140 ☐ 1340 ☐ 2720	11/19/08 @ 1:40 PM
Date Analyzed: 11/19/08 CS	Date Reported: 11/20/08
Lab/Sample Number: 143- 06246	Lab Use:

DOH Form #331-319 (revised 5/06) SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS
DP CENTER COPY

CITY OF WALLA WALLA

MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road • Walla Walla, WA 99362
Phone 509/522-3775 • Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected (Month Day Year)	Time Sample Collected	County
11 / 19 / 08	11 : 00 ☒ AM ☐ PM	

Type of Water System (check only one box)
- ☐ Group A Public
- ☐ Group B Public
- ☐ Private Household
- ☒ Other ASR

Group A and Group B Systems – Provide from Water Facilities Inventory (WFI):
ID# ___ ___ ___ ___ ___ ___
System Name: WALLA WALLA BASIN WATERSHED COUNCIL
Contact Person: BOB BOWER

Day Phone: (541) 938-2170	Cell Phone: (509) 520-3435
Eve. Phone: ( )	FAX: ( )

Send results to: (Print full name, address and zip code)
WALLA WALLA BASIN WATERSHED COUNCIL
310 So MAIN P.O. BOX 68
MILTON-FREEWATER, OR 97862

SAMPLE INFORMATION

Sample collected by (name):
BOB BOWER

Specific location where sample collected (address or sample site, and type of faucet):
OBS #1B

Special instructions or comments:

Type of Sample (must check only **one** box of #1 through #4 listed below)

1. ☐ **Routine Distribution Sample**
Provide information below.
Chlorinated: Yes_____ No_____
Chlorine Residual: Total_____ Free_____

2. ☐ **Repeat Sample (follow-up to an unsatisfactory sample)**
Provide information below.
Unsatisfactory routine lab number:
___ ___ ___ ___ ___ ___ ___ ___
Unsatisfactory routine collect date:
_____/_____/_____
Chlorinated: Yes_____ No_____
Chlorine Residual: Total_____ Free_____

3. ☒ **Raw Water Source Sample**
Required for Surface Water, GWI, and some Spring Sources)
S | | |
☐ Total Coliform
☐ Fecal Coliform
Public Systems must provide Source Number from (WFI)

4. ☐ **Sample Collected for Information Only**
Construction_____ Repairs_____ Private Residence_____ Other_____

LAB USE ONLY — DRINKING WATER RESULTS — LAB USE ONLY

☐ **Satisfactory**
Total Coliform Absent

☐ **Unsatisfactory**
Total Coliform Present **and**
☐ E.coli present ☐ E.coli absent
☐ Fecal coliform present ☐ Fecal coliform absent

☐ **Replacement Sample Required**

Sample not tested because:
☐ Sample too old (>30 hours)
☐ Improper container
☐ _____

Test unsuitable because:
☐ TNTC
☐ Turbid culture
☐ _____

Bacterial Density Results: Plate Count_____/ml. E.coli_____/100ml.
Total Coliform_____/100ml. Fecal Coliform 1.0 /100ml.

MICR Method Code: ☒ 1140 ☐ 1340 ☐ 2720	Date and Time Received: 11/19/08 @ 1 to pm
Date Analyzed: 11/19/08 (BS)	Date Reported: 11/20/08
Lab/Sample Number: 143- 06248	Lab Use:

DOH Form #331-319 (revised 5/06) SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS

DP CENTER COPY

CITY OF
WALLA WALLA

MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road • Walla Walla, WA 99362
Phone 509/522-3775 • Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected	Time Sample Collected	County
11 / 19 / 08 (Month Day Year)	11 : 00 ☒ AM ☐ PM	

Type of Water System (check only one box)
☐ Group A Public ☐ Private Household
☐ Group B Public ☒ Other ASR

Group A and Group B Systems – Provide from Water Facilities Inventory (WFI):
ID# ___ ___ ___ ___ ___ ___
System Name: WALLA WALLA BASIN WATERSHED COUNCIL
Contact Person: BOB BOWER
Day Phone: (541) 938-2170 Cell Phone: (509) 520-3534
Eve. Phone: ( ) FAX: ( )

Send results to: (Print full name, address and zip code)
WALLA WALLA BASIN WATERSHED COUNCIL
810 S. MAIN P.O. BOX 68
MILTON-FREEWATER, OR, 97862

SAMPLE INFORMATION

Sample collected by (name):
BOB BOWER

Specific location where sample collected (address or sample site, and type of faucet):
OBS #1A

Special instructions or comments:

Type of Sample (must check only **one** box of #1 through #4 listed below)

1. ☐ Routine Distribution Sample
Provide information below.
Chlorinated: Yes______ No______
Chlorine Residual: Total______ Free______

2. ☐ Repeat Sample (follow-up to an unsatisfactory sample)
Provide information below.
Unsatisfactory routine lab number:
___ ___ ___ ___ ___ ___ ___ ___
Unsatisfactory routine collect date:
______/______/______
Chlorinated: Yes______ No______
Chlorine Residual: Total______ Free______

3. ☒ Raw Water Source Sample
Required for Surface Water, GWI, and some Spring Sources)
| S | | | ☐ Total Coliform ☐ Fecal Coliform
Public Systems must provide Source Number from (WFI)

4. ☐ Sample Collected for Information Only
Construction______ Repairs______ Private Residence______ Other______

LAB USE ONLY **DRINKING WATER RESULTS** LAB USE ONLY

☐ **Satisfactory**
Total Coliform Absent

☐ **Unsatisfactory**
Total Coliform Present and
☐ E.coli present ☐ E.coli absent
☐ Fecal coliform present ☐ Fecal coliform absent

☐ **Replacement Sample Required**

Sample not tested because:
☐ Sample too old (>30 hours)
☐ Improper container
☐ ______

Test unsuitable because:
☐ TNTC
☐ Turbid culture
☐ ______

Bacterial Density Results: Plate Count______/ml. E.coli______/100ml.
Total Coliform______/100ml. Fecal Coliform 2.0 /100ml.

MICR Method Code:
☒ 1140 ☐ 1340 ☐ 2720

Date and Time Received:
11/19/08 @ 1:40 PM

Date Analyzed: 11/19/08 (CS)

Date Reported: 11/20/08

Lab/Sample Number
143- 06247

Lab Use:

DOH Form #331-319 (revised 5/06) SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS

DP CENTER COPY

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Microbiology | 360.671.0688 • 360.671.1577fax

December 10, 2008

Mr. Bob Bower
Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

RE: 08-16537 - HBDIC Recharge Project

Dear Mr. Bob Bower,

Your project: HBDIC Recharge Project, was received on Thursday November 20, 2008.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone me at 800 755-9295.

Respectfully Submitted,

CO for LJH

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report
QC Reports
Chain of Custody

EDGE Analytical, Inc.

Burlington, WA 98233
(360) 757-1400 - FAX (360) 757-1402

08-16537
12/4/2008

Project Sheet

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Date: 11/20/2008
Reference Number: **08-16537**
Project: HBDIC Recharge Project

Date Received: 11/20/2008
QC Level: 0
Turnaround: Standard
Date Due: **12/4/2008**

Project Notes:

Lab Number	Sample Number	Sample Description	Lab Method	Matrix	Date Sampled	Status
34917.00	OBS #1	Observation Well #1	NO3-N	W	11/19/2008	Pending
34917.00	OBS #1	Observation Well #1	Cl	W	11/19/2008	Pending
34917.00	OBS #1	Observation Well #1	TDS	W	11/19/2008	Pending
34917.00	OBS #1	Observation Well #1	P04-P	W	11/19/2008	Pending
34917.00	OBS #1	Observation Well #1	525.Walla	W	11/19/2008	Pending
34917.10	OBS #1	Observation Well #1	531	W	11/19/2008	Pending
34917.10	OBS #1	Observation Well #1	515	W	11/19/2008	Pending
34917.10	OBS #1	Observation Well #1	TKN	W	11/19/2008	Pending
34917.10	OBS #1	Observation Well #1	COD	W	11/19/2008	Pending
34917.10	OBS #1	Observation Well #1	TOC	W	11/19/2008	Pending
34917.10	OBS #1	Observation Well #1	TSS	W	11/19/2008	Pending
34918.00	Intake	HBDIC Intake	NO3-N	W	11/19/2008	Pending
34918.00	Intake	HBDIC Intake	Cl	W	11/19/2008	Pending
34918.00	Intake	HBDIC Intake	TDS	W	11/19/2008	Pending
34918.00	Intake	HBDIC Intake	P04-P	W	11/19/2008	Pending
34918.00	Intake	HBDIC Intake	525.Walla	W	11/19/2008	Pending
34918.10	Intake	HBDIC Intake	531	W	11/19/2008	Pending
34918.10	Intake	HBDIC Intake	515	W	11/19/2008	Pending
34918.10	Intake	HBDIC Intake	TKN	W	11/19/2008	Pending
34918.10	Intake	HBDIC Intake	COD	W	11/19/2008	Pending
34918.10	Intake	HBDIC Intake	TOC	W	11/19/2008	Pending
34918.10	Intake	HBDIC Intake	TSS	W	11/19/2008	Pending
34918.10		Shipping Charge	SHIPPING	NA		Completed

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Microbiology | 360.671.0688 • 360.671.1577fax

Data Report

Client Name: Walla Walla Basin Watershed Council
810 S Main Street
Milton-Freewater, OR 97862

Reference Number: **08-16537**
Project: HBDIC Recharge Project
Report Date: 12/2/08
Date Received: 11/20/08
Peer Review:

Sample Description: OBS #1 - Observation Well #1
Lab Number: 34917
Sample Date: 11/19/08
Collected By: Unknown

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
14797-55-8	**NITRATE-N**	0.16	0.100	0.015	mg/L	1	300.0	11/20/08	BJ	I081120A	
16887-00-6	**CHLORIDE**	0.6	0.1	0.012	mg/L	1	300.0	11/20/08	BJ	I081120A	
E-10173	**TOTAL DISSOLVED SOLIDS**	61	10	6	mg/L	1	SM2540 C	11/25/08	CCN	TDS_081125	
14265-44-2	**ORTHO-PHOSPHATE**	0.13	0.01	0.002	mg/L	1	SM4500-P F	11/20/08	SO	OPHOS-081120	
E-10264	**TOTAL KJELDAHL NITROGEN**	0.22	0.2	0.0486	mg/L	1	SM4500-Norg C	11/21/08	SO	TKN-081121	
E-10162	**TOTAL SUSPENDED SOLIDS**	ND	4	1.55	mg/L	1	SM2540 D	11/24/08	MAK	TSS_081124	
E-10195	**TOTAL ORGANIC CARBON**	0.91	0.50	0.0981	mg/L	1	SM5310 B	11/25/08	BJ	TOC_081125	
-10117	**CHEMICAL OXYGEN DEMAND**	ND	8	2	mg/L	1	SM5220 D	11/26/08	MAK	COD_081126	

Sample Description: Intake - HBDIC Intake
Lab Number: 34918
Sample Date: 11/19/08
Collected By: Unknown

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
14797-55-8	**NITRATE-N**	ND	0.100	0.015	mg/L	1	300.0	11/20/08	BJ	I081120A	
16887-00-6	**CHLORIDE**	0.6	0.1	0.012	mg/L	1	300.0	11/20/08	BJ	I081120A	
E-10173	**TOTAL DISSOLVED SOLIDS**	56	10	6	mg/L	1	SM2540 C	11/25/08	CCN	TDS_081125	
14265-44-2	**ORTHO-PHOSPHATE**	0.11	0.01	0.002	mg/L	1	SM4500-P F	11/20/08	SO	OPHOS-081120	
E-10264	**TOTAL KJELDAHL NITROGEN**	0.24	0.2	0.0486	mg/L	1	SM4500-Norg C	11/21/08	SO	TKN-081121	
E-10162	**TOTAL SUSPENDED SOLIDS**	8	4	1.55	mg/L	1	SM2540 D	11/24/08	MAK	TSS_081124	
E-10195	**TOTAL ORGANIC CARBON**	0.90	0.50	0.0981	mg/L	1	SM5310 B	11/25/08	BJ	TOC_081125	
E-10117	**CHEMICAL OXYGEN DEMAND**	ND	8	2	mg/L	1	SM5220 D	11/26/08	MAK	COD_081126	

Notes:
ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Form: cRslt_2.rpt

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Microbiology | 360.671.0688 • 360.671.1577fax

HERBICIDES IN DRINKING WATER

Client Name: Walla Walla Basin Watershe
810 S Main Street
Milton-Freewater, OR 97862

Project::
Field ID: OBS #1
Sample Description: Observation Well #1
Sampled By: Unknown
Sample Date: 11/19/08
Source Type:
Sampler Phone:

Reference Number: 08-16537
Project: HBDIC Recharge Project

Lab Number: 046-34917
Report Date: 12/5/08
Date Analyzed: 12/04/08
Date Extracted: 515_081201
Analyst: CO
Peer Review: TM
Analytical Method: 515.1
Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	UNITS	PQL	MDL	MCL	COMMENT
EPA Regulated							
94-75-7	2,4 - D	**ND**	ug/L	0.2	0.11	70	HBDIC TARGET
93-72-1	2,4,5 - TP (SILVEX)	**ND**	ug/L	0.1	0.02	50	
[illegible]-5	PENTACHLOROPHENOL	**ND**	ug/L	0.1	0.044	1	
[illegible]-0	DALAPON	**ND**	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	**ND**	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	**ND**	ug/L	0.1	0.089	500	
EPA Unregulated							
1918-00-9	DICAMBA	**ND**	ug/L	0.1	0.045		
State Unregulated							
1861-32-1	TOTAL (DCPA & Metabolites)	**ND**	ug/L	0.1	0.089		
E-14028	DCPA (ACID METABOLITES)	**ND**	ug/L	0.1	0.1		
94-82-6	2,4 DB	**ND**	ug/L	0.8	0.10		
93-76-5	2,4,5 T	**ND**	ug/L	0.1	0.044		
25057-89-0	BENTAZON	**ND**	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	**ND**	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	**ND**	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	**ND**	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	**ND**	ug/L	0.1	0.044		

N[illegible]:
If a [illegible]pound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA; Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.
Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.
ND (Not Detected): indicates that the parameter was not detected above the State Reporting Limit (SRL).

If you have any questions concerning this report contact at the above phone number.

FORM: SOC_gen.rpt

EDGE ANALYTICAL LABORATORIES

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Bellingham WA | 805 Orchard Dr Suite 4 - 98225
Microbiology | 360.671.0688 • 360.671.1577fax

HERBICIDES IN DRINKING WATER

Client Name: Walla Walla Basin Watershe
810 S Main Street
Milton-Freewater, OR 97862

Project::
Field ID: Intake
Sample Description: HBDIC Intake
Sampled By: Unknown
Sample Date: 11/19/08
Source Type:
Sampler Phone:

Reference Number: 08-16537
Project: HBDIC Recharge Project

Lab Number: 046-34918
Report Date: 12/5/08
Date Analyzed: 12/04/08
Date Extracted: 515_081201
Analyst: CO
Peer Review:
Analytical Method: 515.1
Chlorophenoxy Herbicides

CAS	COMPOUND	RESULTS	UNITS	PQL	MDL	MCL	COMMENT
EPA Regulated							
94-75-7	2,4 - D	ND	ug/L	0.2	0.11	70	HBDIC TARGET
93-72-1	2,4,5 - TP (SILVEX)	ND	ug/L	0.1	0.02	50	
[illegible]-5	PENTACHLOROPHENOL	ND	ug/L	0.1	0.044	1	
[illegible]-0	DALAPON	ND	ug/L	1.3	0.80	200	
88-85-7	DINOSEB	ND	ug/L	0.2	0.16	7	
1918-02-1	PICLORAM	ND	ug/L	0.1	0.089	500	
EPA Unregulated							
1918-00-9	DICAMBA	ND	ug/L	0.1	0.045		
State Unregulated							
1861-32-1	TOTAL (DCPA & Metabolites)	ND	ug/L	0.1	0.089		
E-14028	DCPA (ACID METABOLITES)	ND	ug/L	0.1	0.1		
94-82-6	2,4 DB	ND	ug/L	0.8	0.10		
93-76-5	2,4,5 T	ND	ug/L	0.1	0.044		
25057-89-0	BENTAZON	ND	ug/L	0.2	0.067		
120-36-5	DICHLORPROP	ND	ug/L	0.3	0.089		
50594-66-6	ACIFLUORFEN	ND	ug/L	0.1	0.089		
133-90-4	CHLORAMBEN	ND	ug/L	0.2	0.2		
51-36-5	3,5 - DICHLOROBENZOIC ACID	ND	ug/L	0.1	0.044		

[illegible]:
If a [illegible]mpound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA; Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.
Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.
ND (Not Detected): indicates that the parameter was not detected above the State Reporting Limit (SRL).

If you have any questions concerning this report contact at the above phone number.

FORM: SOC_gen.rpt

EDGE ANALYTICAL LABORATORIES

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CARBAMATES IN DRINKING WATER

Client Name: Walla Walla Basin Watershe
810 S Main Street
Milton-Freewater, OR 97862

Project::
Field ID: OBS #1
Sample Description: Observation Well #1
Sampled By: Unknown
Sample Date: 11/19/08
Source Type:
Sampler Phone:

Reference Number: 08-16537
Project: HBDIC Recharge Project

Lab Number: 046-34917
Report Date: 11/25/08
Date Analyzed: 11/19/08
Date Extracted: 531_081119
Analyst: CO
Peer Review:
Analytical Method: 531.2
Carbamates

CAS	COMPOUND	RESULTS	UNITS	PQL	MDL	MCL	COMMENT
EPA Regulated							
23135-22-0	OXYMAL	**ND**	ug/L	1.0	0.3	200	
1563-66-2	CARBOFURAN	**ND**	ug/L	1.0	0.2	40	
EPA Unregulated							
1646-87-3	ALDICARB SULFOXIDE	**ND**	ug/L	1.0	0.3		
1646-88-4	ALDICARB SULFONE	**ND**	ug/L	1.0	0.3		
2-77-5	METHOMYL	**ND**	ug/L	1.0	0.3		
16655-82-6	3-HYDROXYCARBOFURAN	**ND**	ug/L	1.0	0.3		
116-06-3	ALDICARB	**ND**	ug/L	1.0	0.3		
63-25-2	CARBARYL	**ND**	ug/L	1.0	0.2		
State Unregulated - Other							
114-26-1	PROPOXUR (BAYGON)	**ND**	ug/L	1.0	0.4		
2032-65-7	METHIOCARB	**ND**	ug/L	1.0	0.3		

If compound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA; Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.
Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.
ND (Not Detected): indicates that the parameter was not detected above the State Reporting Limit (SRL).

If you have any questions concerning this report contact at the above phone number.

FORM: SOC_gen.rpt

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CARBAMATES IN DRINKING WATER

Client Name: Walla Walla Basin Watershe
810 S Main Street
Milton-Freewater, OR 97862

Project::
Field ID: Intake
Sample Description: HBDIC Intake
Sampled By: Unknown
Sample Date: 11/19/08
Source Type:
Sampler Phone:

Reference Number: 08-16537
Project: HBDIC Recharge Project

Lab Number: 046-34918
Report Date: 11/25/08
Date Analyzed: 11/19/08
Date Extracted: 531_081119
Analyst: CO
Peer Review: Dan
Analytical Method: 531.2
Carbamates

CAS	COMPOUND	RESULTS	UNITS	PQL	MDL	MCL	COMMENT
EPA Regulated							
23135-22-0	OXYMAL	**ND**	ug/L	1.0	0.3	200	
1563-66-2	CARBOFURAN	**ND**	ug/L	1.0	0.2	40	
EPA Unregulated							
1646-87-3	ALDICARB SULFOXIDE	**ND**	ug/L	1.0	0.3		
1646-88-4	ALDICARB SULFONE	**ND**	ug/L	1.0	0.3		
2-77-5	METHOMYL	**ND**	ug/L	1.0	0.3		
16655-82-6	3-HYDROXYCARBOFURAN	**ND**	ug/L	1.0	0.3		
116-06-3	ALDICARB	**ND**	ug/L	1.0	0.3		
63-25-2	CARBARYL	**ND**	ug/L	1.0	0.2		
State Unregulated - Other							
114-26-1	PROPOXUR (BAYGON)	**ND**	ug/L	1.0	0.4		
2032-65-7	METHIOCARB	**ND**	ug/L	1.0	0.3		

If [illegible]pound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
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If you have any questions concerning this report contact at the above phone number.

FORM: SOC_gen.rpt

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Bellingham WA | 805 Orchard Dr Suite 4 - 98225
Microbiology | 360.671.0688 • 360.671.1577fax

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: Walla Walla Basin Watershe
810 S Main Street
Milton-Freewater, OR 97862

Project::
Field ID: OBS #1
Sample Description: Observation Well #1
Sampled By: Unknown
Sample Date: 11/19/08
Source Type:
Sampler Phone:

Reference Number: 08-16537
Project: HBDIC Recharge Project

Lab Number: 046-34917
Report Date: 12/10/08
Date Analyzed: 12/01/08
Date Extracted: 525X_081125
Analyst: CO
Peer Review:
Analytical Method: 525.2
SOC for Walla Walla

CAS	COMPOUND	RESULTS	UNITS	PQL	MDL	MCL	COMMENT
2312-35-8	PROPARGITE	ND	ug/L	0.5	-		
[illegible]-7	BISPHENOL-A	ND	ug/L	1	-		
60-51-5	DIMETHOATE	ND	ug/L	0.5	0.03		
57837-19-1	METALAXYL	ND	ug/L	0.1	-		
15299-99-7	NAPROPAMIDE	ND	ug/L	0.1	0.05		
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
86-86-2	1-NAPHTHALENEACETAMIDE	ND	ug/L	0.5	-		
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		
60168-88-9	FENARIMOL	ND	ug/L	0.1	0.03		
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
7786-34-7	MEVINPHOS	ND	ug/l	0.1	0.03		
86-50-0	AZINPHOS-METHYL	ND	ug/L	0.5	0.12		
2921-88-2	CHLORPYRIFOS	ND	ug/L	0.1	0.04		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
115-32-2	DICOFOL	ND	ug/L	1	-		
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
298-00-0	METHYL PARATHION	ND	ug/L	0.5	0.1		
56-38-2	PARATHION-ETHYL	ND	ug/L	0.1	0.022		
732-11-6	PHOSMET	ND	ug/L	0.5	-		
43121-43-3	TRIADIMEFON	ND	ug/L	0.1	0.07		
68694-11-1	TRIFLUMIZOLE	ND	ug/L	1.0	1.0		
950-37-8	METHIDATHINON	ND	ug/L	0.5	0.5		

[illegible]:
If [illegible]ound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA; Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.
Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.
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If you have any questions concerning this report contact at the above phone number.

FORM: SOC_gen.rpt

ANALYTICAL LABORATORIES

Reference Number: 08-16537
Lab Number: 046-34917
Report Date: 12/10/08 11:01

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	UNITS	PQL	MDL	MCL	COMMENT
88671-89-0	MYCLOBUTANIL	**ND**	ug/L	0.5	0.5		
51235-04-2	HEXAZINONE	**ND**	ug/L	0.1	0.05		

If [illegible]ound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
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FORM: SOC_gen.rpt

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Microbiology | 360.671.0688 • 360.671.1577fax

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name: Walla Walla Basin Watershe
810 S Main Street
Milton-Freewater, OR 97862

Project::
Field ID: Intake
Sample Description: HBDIC Intake
Sampled By: Unknown
Sample Date: 11/19/08
Source Type:
Sampler Phone:

Reference Number: 08-16537
Project: HBDIC Recharge Project

Lab Number: 046-34918
Report Date: 12/10/08
Date Analyzed: 12/01/08
Date Extracted: 525X_081125
Analyst: CO
Peer Review:
Analytical Method: 525.2
SOC for Walla Walla

CAS	COMPOUND	RESULTS	UNITS	PQL	MDL	MCL	COMMENT
2312-35-8	PROPARGITE	ND	ug/L	0.5	-		
-7	BISPHENOL-A	ND	ug/L	1	-		
60-51-5	DIMETHOATE	ND	ug/L	0.5	0.03		
57837-19-1	METALAXYL	ND	ug/L	0.1	-		
15299-99-7	NAPROPAMIDE	ND	ug/L	0.1	0.05		
122-34-9	SIMAZINE	ND	ug/L	0.1	0.030	4	
86-86-2	1-NAPHTHALENEACETAMIDE	ND	ug/L	0.5	-		
333-41-5	DIAZINON	ND	ug/L	0.1	0.035		
60168-88-9	FENARIMOL	ND	ug/L	0.1	0.03		
58-89-9	LINDANE (BHC - GAMMA)	ND	ug/L	0.1	0.028	0.2	
7786-34-7	MEVINPHOS	ND	ug/l	0.1	0.03		
86-50-0	AZINPHOS-METHYL	ND	ug/L	0.5	0.12		
2921-88-2	CHLORPYRIFOS	ND	ug/L	0.1	0.04		
72-54-8	4,4-DDD	ND	ug/L	0.1	0.024		
72-55-9	4,4-DDE	ND	ug/L	0.1	0.024		
50-29-3	4,4-DDT	ND	ug/L	0.1	0.022		
115-32-2	DICOFOL	ND	ug/L	1	-		
121-75-5	MALATHION	ND	ug/L	0.1	0.015		
298-00-0	METHYL PARATHION	ND	ug/L	0.5	0.1		
56-38-2	PARATHION-ETHYL	ND	ug/L	0.1	0.022		
732-11-6	PHOSMET	ND	ug/L	0.5	-		
43121-43-3	TRIADIMEFON	ND	ug/L	0.1	0.07		
68694-11-1	TRIFLUMIZOLE	ND	ug/L	1.0	1.0		
950-37-8	METHIDATHINON	ND	ug/L	0.5	0.5		

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FORM: SOC_gen.rpt

SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

CAS	COMPOUND	RESULTS	UNITS	PQL	MDL	MCL	COMMENT
88671-89-0	MYCLOBUTANIL	**ND**	ug/L	0.5	0.5		
51235-04-2	HEXAZINONE	**ND**	ug/L	0.1	0.05		

!
If ound is detected > or = to the State Reporting Level, SRL, specified increased monitoring frequencies may occur per DOH.
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FORM: SOC_gen.rpt

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-16537
Report Date: 12/10/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
515_081201	2,4 - D	2.04	2	ug/L	515.1	102	70-130		LFB	
	2,4 - DCAA (SURR)	102		%	515.1		70-130			
	2,4 DB	6.1	8	ug/L	515.1	76	70-130			
	2,4,5 - TP (SILVEX)	1.08	1	ug/L	515.1	108	70-130			
	2,4,5 T	1.01	1	ug/L	515.1	101	70-130			
	ACIFLUORFEN	0.89	1	ug/L	515.1	89	70-130			
	BENTAZON	1.73	2	ug/L	515.1	87	70-130			
	CHLORAMBEN	0.88	1	ug/L	515.1	88	70-130			
	DALAPON	12.7	13	ug/L	515.1	98	70-130			
	DCPA (ACID METABOLITES)	1.39	1	ug/L	515.1	139	70-130	HQ		
	DICAMBA	1.12	1	ug/L	515.1	112	70-130			
	DICHLORPROP	3.27	3	ug/L	515.1	109	70-130			
	DINOSEB	2.08	2	ug/L	515.1	104	70-130			
	PENTACHLOROPHENOL	1.09	1	ug/L	515.1	109	70-130			
	PICLORAM	1.02	1	ug/L	515.1	102	70-130			
	TOTAL (DCPA & Metabolites)	1.39	1	ug/L	515.1	139	70-130	HQ		
525_081125	1,3-DIMETHYL-2-NITROBENZENE (Surr)	96		%	525.2		70-130		LFB	
	4,4-DDD	1.11	1	ug/L	525.2	111	70-130			
	4,4-DDE	1.13	1	ug/L	525.2	113	70-130			
	4,4-DDT	1.15	1	ug/L	525.2	115	70-130			
	BISPHENOL-A	4.3	5	ug/L	525.2	86	85-115			
	DIAZINON	1.91	2	ug/L	525.2	96	70-130			
	LINDANE (BHC - GAMMA)	0.81	1	ug/L	525.2	81	70-130			
	MALATHION	2.45	2	ug/L	525.2	123	70-130			
	PERYLENE-D12 (Surr)	95		%	525.2		70-130			
	PYRENE-D10 (Surr)	89		%	525.2		70-130			
	SIMAZINE	1.16	1	ug/L	525.2	116	70-130			
	TRIPHENYLPHOSPHATE (Surr)	112		%	525.2		70-130			
525X_081125	1-NAPHTHALENEACETAMIDE	1.95	2	ug/L	525.2	98	70-130		LFB	
	CHLORPYRIFOS	2.09	2	ug/L	525.2	105	70-130			
	DICOFOL	2.72	2	ug/L	525.2	136	70-130			
	DIMETHOATE	0.63	1	ug/L	525.2	63	70-130	N1		

*Notation:

Recovery = (Result of Analysis)/(True Value) * 100

= Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-16537
Report Date: 12/10/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
525X_081125	FENARIMOL	1.39	1	ug/L	525.2	139	70-130	HQ	LFB	
	HEXAZINONE	1.23	1	ug/L	525.2	123	70-130			
	MALATHION	2.94	3	ug/L	525.2	98	70-130			
	METALAXYL	2.06	2	ug/L	525.2	103	70-130			
	METHIDATHINON	3	2	ug/L	525.2	150	85-115	HR		
	MEVINPHOS	1.07	1	ug/L	525.2	107	70-130			
	MYCLOBUTANIL	2.27	2	ug/L	525.2	114	85-115			
	NAPROPAMIDE	1.12	1	ug/L	525.2	112	70-130			
	PARATHION-ETHYL	2.16	2	ug/L	525.2	108	70-130			
	PHOSMET	2.64	2	ug/L	525.2	132	70-130	HR		
	PROPARGITE	2.05	2	ug/L	525.2	103	85-115			
	TRIADIMEFON	1.14	1	ug/L	525.2	114	70-130			
	TRIFLUMIZOLE	1.91	2	ug/L	525.2	96	85-115			
531_081119	BDMC (SURR)	108		%	531.2		70-130		LFB	
531_081119	3-HYDROXYCARBOFURAN	50	50	ug/L	531.2	100	70-130		LFB	
	ALDICARB	50	50	ug/L	531.2	100	70-130			
	ALDICARB SULFONE	49.9	50	ug/L	531.2	100	70-130			
	ALDICARB SULFOXIDE	49.5	50	ug/L	531.2	99	70-130			
	BDMC (SURR)	100		%	531.2		70-130			
	CARBARYL	48.5	50	ug/L	531.2	97	70-130			
	CARBOFURAN	46.4	50	ug/L	531.2	93	70-130			
	METHIOCARB	46	50	ug/L	531.2	92	70-130			
	METHOMYL	50.3	50	ug/L	531.2	101	70-130			
	OXYMAL	50	50	ug/L	531.2	100	70-130			
	PROPOXUR (BAYGON)	50.2	50	ug/L	531.2	100	70-130			
531_081119	3-HYDROXYCARBOFURAN	10.5	10	ug/L	531.2	105	70-130		LFB	
	ALDICARB	10.6	10	ug/L	531.2	106	70-130			
	ALDICARB SULFONE	10.9	10	ug/L	531.2	109	70-130			
	ALDICARB SULFOXIDE	10.7	10	ug/L	531.2	107	70-130			
	BDMC (SURR)	101		%	531.2		70-130			
	CARBARYL	10.3	10	ug/L	531.2	103	70-130			
	CARBOFURAN	10.1	10	ug/L	531.2	101	70-130			
	METHIOCARB	10.2	10	ug/L	531.2	102	70-130			

*Notation:

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FORM: QC Independent

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 08-16537
Report Date: 12/10/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
531_081119	METHOMYL	11.2	10	ug/L	531.2	112	70-130		LFB	
	OXYMAL	10.6	10	ug/L	531.2	106	70-130			
	PROPOXUR (BAYGON)	10.5	10	ug/L	531.2	105	70-130			
COD_081126	CHEMICAL OXYGEN DEMAND	48	50	mg/L	SM5220 D	96	80-120		LFB	
OPHOS-081120	ORTHO-PHOSPHATE	1.02	1.00	mg/L	SM4500-P F	102	70-130		LFB	
tds_081125	TOTAL DISSOLVED SOLIDS	482	500	mg/L	SM2540 C	96	80-120		LFB	
tds_081125	TOTAL DISSOLVED SOLIDS	482	500	mg/L	SM2540 C	96	80-120		LFB	
TKN-081121	TOTAL KJELDAHL NITROGEN	4.20	4.00	mg/L	SM4500-Norg C	105	80-120		LFB	
TSS_081124	TOTAL SUSPENDED SOLIDS	480	500	mg/L	SM2540 D	96	80-120		LFB	
TSS_081124	TOTAL SUSPENDED SOLIDS	490	500	mg/L	SM2540 D	98	80-120		LFB	

*Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Low Level Laboratory Fortified Blank

Reference Number: 08-16537
Report Date: 12/10/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
531_081119	3-HYDROXYCARBOFURAN	0.96	1	ug/L	531.2	96	50-150		LFBD	
	ALDICARB	0.95	1	ug/L	531.2	95	50-150			
	ALDICARB SULFONE	1	1	ug/L	531.2	100	50-150			
	ALDICARB SULFOXIDE	0.99	1	ug/L	531.2	99	50-150			
	CARBARYL	1	1	ug/L	531.2	100	50-150			
	CARBOFURAN	1.2	1	ug/L	531.2	120	50-150			
	METHIOCARB	1.2	1	ug/L	531.2	120	50-150			
	METHOMYL	0.94	1	ug/L	531.2	94	50-150			
	OXYMAL	0.95	1	ug/L	531.2	95	50-150			
	PROPOXUR (BAYGON)	0.91	1	ug/L	531.2	91	50-150			

*Notation:

Recovery = (Result of Analysis)/(True Value) * 100

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 08-16537
Report Date: 12/10/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
COD_081126	CHEMICAL OXYGEN DEMAND	ND		mg/L	SM5220 D		4.00000		LRB	
I081120A	CHLORIDE	ND		mg/L	300.0		0.10000		LRB	
	NITRATE-N	ND		mg/L	300.0		0.10000			
OPHOS-081120	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0.10000		LRB	
TKN-081121	TOTAL KJELDAHL NITROGEN	ND		mg/L	SM4500-Norg C		1.00000		LRB	

*Notation:

Recovery = (Result of Analysis)/(True Value) * 100

N/A = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-16537
Report Date: 12/10/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
515_081201	2,4 - D	ND		ug/L	515.1		0.05000		MB	
	2,4 - DCAA (SURR)	99		%	515.1					
	2,4 DB	ND		ug/L	515.1		0.25000			
	2,4,5 - TP (SILVEX)	ND		ug/L	515.1		0.10000			
	2,4,5 T	ND		ug/L	515.1		0.10000			
	ACIFLUORFEN	ND		ug/L	515.1		0.50000			
	BENTAZON	ND		ug/L	515.1		0.12000			
	CHLORAMBEN	ND		ug/L	515.1		0.20000			
	DALAPON	ND		ug/L	515.1		0.50000			
	DCPA (ACID METABOLITES)	ND		ug/L	515.1		0.10000			
	DICAMBA	ND		ug/L	515.1		0.05000			
	DICHLORPROP	ND		ug/L	515.1		0.12000			
	DINOSEB	ND		ug/L	515.1		0.10000			
	PENTACHLOROPHENOL	ND		ug/L	515.1		0.02000			
	PICLORAM	ND		ug/L	515.1		0.05000			
	TOTAL (DCPA & Metabolites)	ND		ug/L	515.1		0.02000			
525_081125	1,3-DIMETHYL-2-NITROBENZENE (Surr)	96		%	525.2				MB	
	4,4-DDD	ND		ug/L	525.2		0.05000			
	4,4-DDE	ND		ug/L	525.2		0.05000			
	4,4-DDT	ND		ug/L	525.2		0.05000			
	BISPHENOL-A	ND		ug/L	525.2		1.00000			
	DIAZINON	ND		ug/L	525.2		0.05000			
	LINDANE (BHC - GAMMA)	ND		ug/L	525.2		0.02000			
	MALATHION	ND		ug/L	525.2		0.05000			
	PERYLENE-D12 (Surr)	97		%	525.2					
	PYRENE-D10 (Surr)	93		%	525.2					
	SIMAZINE	ND		ug/L	525.2		0.02000			
	TRIPHENYLPHOSPHATE (Surr)	109		%	525.2					
525X_081125	1-NAPHTHALENEACETAMIDE	ND		ug/L	525.2		0.10000		MB	
	AZINPHOS-METHYL	ND		ug/L	525.2		0.00000			
	CHLORPYRIFOS	ND		ug/L	525.2		0.00000			
	DICOFOL	ND		ug/L	525.2		0.00000			

*Notation:

Recovery = (Result of Analysis)/(True Value) * 100

, = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-16537
Report Date: 12/10/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
525X_081125	DIMETHOATE	ND		ug/L	525.2		0.00000		MB	
	FENARIMOL	ND		ug/L	525.2		0.00000			
	HEXAZINONE	ND		ug/L	525.2		0.00000			
	MALATHION	ND		ug/L	525.2		0.05000			
	METALAXYL	ND		ug/L	525.2		0.10000			
	METHIDATHINON	ND		ug/L	525.2		0.50000			
	METHYL PARATHION	ND		ug/L	525.2		0.00000			
	MEVINPHOS	ND		ug/L	525.2		0.00000			
	MYCLOBUTANIL	ND		ug/L	525.2		0.50000			
	NAPROPAMIDE	ND		ug/L	525.2		0.00000			
	PARATHION-ETHYL	ND		ug/L	525.2		0.05000			
	PHOSMET	ND		ug/L	525.2		0.10000			
	PROPARGITE	ND		ug/L	525.2		0.00000			
	TRIADIMEFON	ND		ug/L	525.2		0.00000			
	TRIFLUMIZOLE	ND		ug/L	525.2		1.00000			
531_081119	3-HYDROXYCARBOFURAN	ND		ug/L	531.2		0.50000		MB	
	ALDICARB	ND		ug/L	531.2		0.25000			
	ALDICARB SULFONE	ND		ug/L	531.2		0.40000			
	ALDICARB SULFOXIDE	ND		ug/L	531.2		0.25000			
	BDMC (SURR)	98		%	531.2		0.00000			
	CARBARYL	ND		ug/L	531.2		0.50000			
	CARBOFURAN	ND		ug/L	531.2		0.45000			
	METHIOCARB	ND		ug/L	531.2		1.00000			
	METHOMYL	ND		ug/L	531.2		0.25000			
	OXYMAL	ND		ug/L	531.2		1.00000			
	PROPOXUR (BAYGON)	ND		ug/L	531.2		0.25000			
OPHOS-081120	ORTHO-PHOSPHATE	ND		mg/L	SM4500-P F		0.10000		MB	
tds_081125	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		2.50000		MB	
tds_081125	TOTAL DISSOLVED SOLIDS	ND		mg/L	SM2540 C		2.50000		MB	

*Notation:

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FORM: QC Independent

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 08-16537
Report Date: 12/10/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
TKN-081121	TOTAL KJELDAHL NITROGEN	ND		mg/L	SM4500-Norg C		0.12000		MB	
TSS_081124	TOTAL SUSPENDED SOLIDS	ND		mg/L	SM2540 D		1.00000		MB	
TSS_081124	TOTAL SUSPENDED SOLIDS	ND		mg/L	SM2540 D		1.00000		MB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 08-16537
Report Date: 12/10/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
531_081119	3-HYDROXYCARBOFURAN	26.9	26.9	ug/L	531.2	100	70-130		QCS	
	ALDICARB	25.6	27.9	ug/L	531.2	92	70-130			
	ALDICARB SULFONE	37	38.5	ug/L	531.2	96	70-130			
	ALDICARB SULFOXIDE	21	28.8	ug/L	531.2	73	70-130			
	BDMC (SURR)	122		%	531.2		70-130			
	CARBARYL	83.9	90.1	ug/L	531.2	93	70-130			
	CARBOFURAN	123	136	ug/L	531.2	90	70-130			
	METHIOCARB	33.9	34.7	ug/L	531.2	98	70-130			
	METHOMYL	81.3	78.3	ug/L	531.2	104	70-130			
	OXYMAL	33.4	32.5	ug/L	531.2	103	70-130			
	PROPOXUR (BAYGON)	31.2	30.1	ug/L	531.2	104	70-130			
531_081119	3-HYDROXYCARBOFURAN	46.8	50	ug/L	531.2	94	70-130		QCS	
	ALDICARB	50.4	50	ug/L	531.2	101	70-130			
	ALDICARB SULFONE	50.2	50	ug/L	531.2	100	70-130			
	ALDICARB SULFOXIDE	53.2	50	ug/L	531.2	106	70-130			
	BDMC (SURR)	112		%	531.2		70-130			
	CARBARYL	46.5	50	ug/L	531.2	93	70-130			
	CARBOFURAN	48.7	50	ug/L	531.2	97	70-130			
	METHIOCARB	48.9	50	ug/L	531.2	98	70-130			
	METHOMYL	51.7	50	ug/L	531.2	103	70-130			
	OXYMAL	50	50	ug/L	531.2	100	70-130			
	PROPOXUR (BAYGON)	51	50	ug/L	531.2	102	70-130			
COD_081126	CHEMICAL OXYGEN DEMAND	91	92	mg/L	SM5220 D	99	80-120		QCS	
I081120A	CHLORIDE	28.3	30.0	mg/L	300.0	94	80-120		QCS	
	NITRATE-N	2.42	2.50	mg/L	300.0	97	80-120			
OPHOS-081120	ORTHO-PHOSPHATE	0.49	0.49	mg/L	SM4500-P F	100	70-130		QCS	
TKN-081121	TOTAL KJELDAHL NITROGEN	5.02	4.77	mg/L	SM4500-Norg C	105	80-120		QCS	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 08-16537
Report Date: 12/10/08

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment

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QUALITY CONTROL REPORT

Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Reference Number: 08-16537

Report Date: 12/10/2008

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
515_081201									
	34917	2,4 - DCAA (SURR)	103	105	%	**1.9**	0-45		DUP
525_081125									
	34807	1,3-DIMETHYL-2-NITROBENZENE (Surr	96	96	%	**0.0**	0-45		DUP
	34807	PYRENE-D10 (Surr)	93	92	%	**1.1**	0-45		DUP
	34807	PERYLENE-D12 (Surr)	99	96	%	**3.1**	0-45		DUP
	34807	TRIPHENYLPHOSPHATE (Surr)	106	108	%	**1.9**	0-45		DUP
531_081119									
	32550	OXYMAL	55.7	59.4	ug/L	**6.4**	0-45		DUP
	32550	CARBOFURAN	62.9	67.2	ug/L	**6.6**	0-45		DUP
	32550	ALDICARB SULFOXIDE	42.2	44.6	ug/L	**5.5**	0-45		DUP
	32550	ALDICARB SULFONE	40.3	43.2	ug/L	**6.9**	0-45		DUP
	32550	METHOMYL	61.7	65.8	ug/L	**6.4**	0-45		DUP
	32550	3-HYDROXYCARBOFURAN	41.9	42.6	ug/L	**1.7**	0-45		DUP
	32550	ALDICARB	37.7	40.2	ug/L	**6.4**	0-45		DUP
	32550	CARBARYL	44.8	48.4	ug/L	**7.7**	0-45		DUP
	32550	PROPOXUR (BAYGON)	101	107	ug/L	**5.8**	0-45		DUP
	32550	METHIOCARB	123	131	ug/L	**6.3**	0-45		DUP
	32550	BDMC (SURR)	95	103	Area	**8.1**	0-45		DUP
COD_081126									
	35364	CHEMICAL OXYGEN DEMAND	8200	8550	mg/L	**4.2**	0-45		DUP
I081120A									
	34897	NITRATE-N	2.5	2.5	mg/L	**0.0**	0-45		DUP
	34897	CHLORIDE	63	63	mg/L	**0.0**	0-45		DUP
	34918	CHLORIDE	0.6	0.5	mg/L	**18.2**	0-45		DUP
OPHOS-081120									
	34918	ORTHO-PHOSPHATE	0.11	0.11	mg/L	**0.0**	0-50		DUP

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
TDS_081125									
	35236	TOTAL DISSOLVED SOLIDS	382	379	mg/L	**0.8**	0-45	DUP	
TKN-081121									
	34471	TOTAL KJELDAHL NITROGEN	11.4	11.4	mg/L	**0.0**	0-45	DUP	
TSS_081124									
	35097	TOTAL SUSPENDED SOLIDS	19	23	mg/L	**19.0**	0-45	DUP	

%RPD = Relative Percent Difference

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Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Comments
515_081201														
	34807	2,4 - D	ND	1.87		2	ug/L	**94**	**NA**	65-135	**NA**	0-60		LFM
	34807	2,4,5 - TP (SILVEX)	ND	0.99		1	ug/L	**99**	**NA**	65-135	**NA**	0-60		LFM
	34807	PENTACHLOROPHENOL	ND	0.99		1	ug/L	**99**	**NA**	65-135	**NA**	0-60		LFM
	34807	DALAPON	ND	11.1		13	ug/L	**85**	**NA**	65-135	**NA**	0-60		LFM
	34807	DINOSEB	ND	1.99		2	ug/L	**100**	**NA**	65-135	**NA**	0-60		LFM
	34807	PICLORAM	ND	0.91		1	ug/L	**91**	**NA**	65-135	**NA**	0-60		LFM
	34807	DICAMBA	ND	1		1	ug/L	**100**	**NA**	65-135	**NA**	0-60		LFM
	34807	TOTAL (DCPA & Metabolites)	ND	1.28		1	ug/L	**128**	**NA**	65-135	**NA**	0-60		LFM
	34807	2,4 DB	ND	6.29		8	ug/L	**79**	**NA**	65-135	**NA**	0-60		LFM
	34807	2,4,5 T	ND	0.93		1	ug/L	**93**	**NA**	65-135	**NA**	0-60		LFM
	34807	BENTAZON	ND	1.57		2	ug/L	**79**	**NA**	65-135	**NA**	0-60		LFM
	34807	DICHLORPROP	ND	3.06		3	ug/L	**102**	**NA**	65-135	**NA**	0-60		LFM
	34807	ACIFLUORFEN	ND	0.84		1	ug/L	**84**	**NA**	65-135	**NA**	0-60		LFM
	34807	CHLORAMBEN	ND	0.85		1	ug/L	**85**	**NA**	65-135	**NA**	0-50		LFM
	34807	2,4 - DCAA (SURR)	96	93			%		**NA**	70-130	**NA**	0-60		LFM
525_081125														
	34405	BISPHENOL-A	ND	3.1		5	ug/L	**62**	**NA**	70-130	**NA**	0-50	ME	LFM
	34405	SIMAZINE	ND	0.94		1	ug/L	**94**	**NA**	70-130	**NA**	0-60		LFM
	34405	DIAZINON	ND	1.93		1	ug/L	**193**	**NA**	70-130	**NA**	0-60		LFM
	34405	LINDANE (BHC - GAMMA)	ND	0.91		1	ug/L	**91**	**NA**	70-130	**NA**	0-60		LFM
	34405	4,4-DDD	ND	0.95		1	ug/L	**95**	**NA**	70-130	**NA**	0-60		LFM
	34405	4,4-DDE	ND	0.87		1	ug/L	**87**	**NA**	70-130	**NA**	0-60		LFM
	34405	4,4-DDT	ND	0.93		1	ug/L	**93**	**NA**	70-130	**NA**	0-60		LFM
	34405	MALATHION	ND	2.09		2	ug/L	**105**	**NA**	70-130	**NA**	0-60		LFM
	34405	PARATHION-ETHYL	ND	1.96		2	ug/L	**98**	**NA**	70-130	**NA**	0-60		LFM
525X_081125														
	34405	PROPARGITE	ND	2.18		2	ug/L	**109**	**NA**	70-130	**NA**	0-50		LFM
	34405	DIMETHOATE	ND	0.62		1	ug/L	**62**	**NA**	70-130	**NA**	0-50	N1	LFM
	34405	METALAXYL	ND	1.93		2	ug/L	**97**	**NA**	70-130	**NA**	0-50		LFM
	34405	NAPROPAMIDE	ND	1.04		1	ug/L	**104**	**NA**	70-130	**NA**	0-50		LFM
	34405	1-NAPHTHALENEACETAMIDE	ND	1.86		2	ug/L	**93**	**NA**	70-130	**NA**	0-50		LFM
	34405	FENARIMOL	ND	1.16		1	ug/L	**116**	**NA**	70-130	**NA**	0-50		LFM
	34405	MEVINPHOS	ND	0.99		1	ug/L	**99**	**NA**	70-130	**NA**	0-50		LFM
	34405	CHLORPYRIFOS	ND	1.91		2	ug/L	**96**	**NA**	70-130	**NA**	0-50		LFM
	34405	DICOFOL	ND	2.62		2	ug/L	**131**	**NA**	70-130	**NA**	0-50	HR	LFM

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NA = Indicates %RPD could not be calculated

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Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Comments
	34405	MALATHION	ND	2.52		3	ug/L	**84**	**NA**	70-130	**NA**	0-60		LFM
	34405	PARATHION-ETHYL	ND	1.74		2	ug/L	**87**	**NA**	70-130	**NA**	0-60		LFM
	34405	PHOSMET	ND	2.26		2	ug/L	**113**	**NA**	70-130	**NA**	0-50		LFM
	34405	TRIADIMEFON	ND	0.96		1	ug/L	**96**	**NA**	70-130	**NA**	0-50		LFM
	34405	TRIFLUMIZOLE	ND	1.62		2	ug/L	**81**	**NA**	70-130	**NA**	0-50		LFM
	34405	METHIDATHINON	ND	2.62		2	ug/L	**131**	**NA**	70-130	**NA**	0-50	HR	LFM
	34405	MYCLOBUTANIL	ND	2.02		2	ug/L	**101**	**NA**	70-130	**NA**	0-50		LFM
	34405	HEXAZINONE	ND	1.09		1	ug/L	**109**	**NA**	70-130	**NA**	0-50		LFM
531_081119														
	33930	OXYMAL	ND	10.5	9.9	10	ug/L	**105**	**99**	70-130	**5.9**	0-50		LFM
	33930	CARBOFURAN	ND	10.2	10.1	10	ug/L	**102**	**101**	70-130	**1.0**	0-50		LFM
	33930	ALDICARB SULFOXIDE	ND	10.4	9.8	10	ug/L	**104**	**98**	70-130	**5.9**	0-50		LFM
	33930	ALDICARB SULFONE	ND	10.8	9.8	10	ug/L	**108**	**98**	70-130	**9.7**	0-50		LFM
	33930	METHOMYL	ND	11	10.1	10	ug/L	**110**	**101**	70-130	**8.5**	0-50		LFM
	33930	3-HYDROXYCARBOFURAN	ND	10.9	10.3	10	ug/L	**109**	**103**	70-130	**5.7**	0-50		LFM
	33930	ALDICARB	ND	10.7	10.3	10	ug/L	**107**	**103**	70-130	**3.8**	0-50		LFM
	33930	CARBARYL	ND	10.5	10.4	10	ug/L	**105**	**104**	70-130	**1.0**	0-50		LFM
	33930	PROPOXUR (BAYGON)	ND	10.9	10.7	10	ug/L	**109**	**107**	70-130	**1.9**	0-50		LFM
	33930	METHIOCARB	ND	10.5	9.3	10	ug/L	**105**	**93**	70-130	**12.1**	0-50		LFM
	33930	BDMC (SURR)	130	100	100		%		**NA**	70-130	**NA**	0-50		LFM
	34917	OXYMAL	ND	2	2.2	2	ug/L	**100**	**110**	70-130	**9.5**	0-50		LFM
	34917	CARBOFURAN	ND	2	2.1	2	ug/L	**100**	**105**	70-130	**4.9**	0-50		LFM
	34917	ALDICARB SULFOXIDE	ND	2.1	2	2	ug/L	**105**	**100**	70-130	**4.9**	0-50		LFM
	34917	ALDICARB SULFONE	ND	2	2.3	2	ug/L	**100**	**115**	70-130	**14.0**	0-50		LFM
	34917	METHOMYL	ND	2	2.2	2	ug/L	**100**	**110**	70-130	**9.5**	0-50		LFM
	34917	3-HYDROXYCARBOFURAN	ND	2	2.05	2	ug/L	**100**	**103**	70-130	**2.5**	0-50		LFM
	34917	ALDICARB	ND	2	2.1	2	ug/L	**100**	**105**	70-130	**4.9**	0-50		LFM
	34917	CARBARYL	ND	2.05	2.2	2	ug/L	**103**	**110**	70-130	**7.1**	0-50		LFM
	34917	PROPOXUR (BAYGON)	ND	2.1	2.2	2	ug/L	**105**	**110**	70-130	**4.7**	0-50		LFM
	34917	METHIOCARB	ND	2	2.5	2	ug/L	**100**	**125**	70-130	**22.2**	0-50		LFM
	34917	BDMC (SURR)	99	89	98		%		**NA**	70-130	**NA**	0-50		LFM
COD_081126														
	35364	CHEMICAL OXYGEN DEMAND	8200	10600	10550	2500	mg/L	**96**	**94**	80-120	**2.1**	0-60		LFM
I081120A														
	34897	NITRATE-N	2.5	3.51		1.00	mg/L	**101**	**NA**	80-120	**NA**	0-60		LFM
	34897	CHLORIDE	63	64		1.00	mg/L	**100**	**NA**	80-120	**NA**	0-60		LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 08-16537
Report Date: 12/10/2008

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Comments
	34918	NITRATE-N	ND	19.6		20.00	mg/L	**98**	**NA**	80-120	**NA**	0-60	LFM	
	34918	CHLORIDE	0.6	21		20.00	mg/L	**102**	**NA**	80-120	**NA**	0-60	LFM	
OPHOS-081120														
	34918	ORTHO-PHOSPHATE	0.11	1.18	1.18	1.00	mg/L	**107**	**107**	70-130	**0.0**	0-50	LFM	
TKN-081121														
	34919	TOTAL KJELDAHL NITROGEN	45.2	87.2		40.0	mg/L	**105**		80-120	**NA**	0-60	LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Qualifier Definitions

Reference Number: 08-16537
Report Date: 12/10/08

Qualifier	Definition
HQ	High QCS recovery due to increased detector response of the sample extract. The continuing calibration checks are within acceptance limits.
HR	High QCS recovery due to increased detector response No sample dectections, therefore, no further action taken for this analysis set.
ME	Matrix spike shows a possible matrix induced bias. The LFB was within acceptance limits, results for this compound are suspect.
N1	Acceptance limits have not been established, the limits listed are for guidance only.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

FORM: QualifierDefs

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 08-16537
Report Date: 12/10/08

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
525_081125						
34917	1,3-DIMETHYL-2-NITROBENZENE (Surr)	96		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	94		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	98		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	108		%		Acceptance Range is 70% to 130%
515_081201						
34917	2,4 - DCAA (SURR)	103		%	515.1	Acceptance Range is 70 - 130%
531_081119						
34917	BDMC (SURR)	99		%	531.2	
525_081125						
34918	1,3-DIMETHYL-2-NITROBENZENE (Surr)	96		%	525.2	Acceptance Range is 70% to 130%
	PYRENE-D10 (Surr)	91		%		Acceptance Range is 70% to 130%
	PERYLENE-D12 (Surr)	100		%		Acceptance Range is 70% to 130%
	TRIPHENYLPHOSPHATE (Surr)	112		%		Acceptance Range is 70% to 130%
515_081201						
34918	2,4 - DCAA (SURR)	100		%	515.1	Acceptance Range is 70 - 130%
531_081119						
[illegible]18	BDMC (SURR)	102		%	531.2	

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Chain of Custody / Analysis Request

(Please complete all applicable shaded sections)

6558

Report to:	Walla Walla Basin Watershed Cour	Bill to:	Same	**For Lab Use Only**	
Ship Address:	810 S Main Street	Address:		Ref #	
City:	Milton-Freewa St: OR Zip: 97862	City:	St: Zip:	**Check Regulatory Program**	
Attn:	Bob Bower	Phone:	FAX:	☐ Safe Drinking Water Act	
Phone:	541.938-2170 FAX:	P.O.#:	Attn:	☐ Clean Water Act	
Email:	bob.bower@wwbwc.org	☐ Visa ☐ M/C ☐ A/E	Expires /	☐ RCRA / CERCLA	
Project	HBDIC Recharge Project	Card#:		☑ Other Recharge	

EDGE ANALYTICAL LABORATORIES
1620 S. Walnut St.
Burlington, WA 98233
1.800.755.9295

805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

Instructions

1. Use one line per sample Location.
2. Be specific in analysis requests.
3. Check off analyses to be performed for each sample Loaction.
4. Enter number of containers.

Turn Around Time Required

☐ Standard
☐ Half-time (50% surcharge)
☐ Quickest (100% surcharge)
☐ Other

Analyses Requested

CO006558

	Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	NO3/Cl/TDS/O-Phos	SOC Package	TKN/COD	TOC	TSS				Number of Containers	Special Instructions Conditions on Receipt
1	OBS #1	Observation Well #1	1	W	11/19/8	11:00	☑	☑	☑	☑	☑	☐	☐	☐		None
2	Intake	HBDIC Intake	1		11/19/8	10:45	☑	☑	☑	☑	☑	☐	☐	☐		None
3							☐	☐	☐	☐	☐	☐	☐	☐		
4							☐	☐	☐	☐	☐	☐	☐	☐		
5							☐	☐	☐	☐	☐	☐	☐	☐		
6							☐	☐	☐	☐	☐	☐	☐	☐		
7							☐	☐	☐	☐	☐	☐	☐	☐		
8							☐	☐	☐	☐	☐	☐	☐	☐		
9							☐	☐	☐	☐	☐	☐	☐	☐		
10							☐	☐	☐	☐	☐	☐	☐	☐		

08-16537
34917 - 34918

Sampled by: Phone: FAX: Email: Total Containers

Sample Receipt Request (Must include FAX or Email) ☐

* **W** - water **SW** - surface water **WW** - waste water **OL** - oil
DW - drinking water **GW** - Ground water **S** - soil Other_____

Relinquished by	Date	Time	Received by	Date	Time
	11/19/8	1:30	UPS — Edge	11/19/8	1:30
			Heather N	11/20/08	8:50

UPS

	Yes	No	N/A
Custody seals intact	☐	☐	☐
Sample temp 3 C satisfactory	☐	☐	☐
Samples received intact	☐	☐	
Chain of custody & labels agree	☐	☐	

08-16537

Mill Creek Water Treatment Plant Laboratory

581 Mill Creek Road Walla Walla, WA 99362

Lab ID # : 143
Washington State ID : M1873
EPA ID # : WA 01177
Telephone : (509) 522-3775
Fax : (509) 529-9681
Date: 11/20/08

System ID / Name: Walla Walla Basin Watershed Council
Amount Due: $75.00

Sampler: Bob Bower
Invoice Number: 8007

Address: P.O. Box 68
Date Collected: 11/19/08

City: Milton-Freewater
Date Analyzed: 11/19/08

State: OR Zip Code: 97874
Lab Analyst: *Skifstad*

Test Methods Are Selected From The
Standard Methods For Examination Of Water and Wastewater ~ 20th Edition~

Test Method 9222D			
Sample ID #1	**Results**	**Units**	**Lab Number**
Intake	19.0	CFU's / 100 mL	143-06246
Sample ID #2	**Results**	**Units**	**Lab Number**
OBS-1A	2.0	CFU's / 100 mL	143-06247
Sample ID #3	**Results**	**Units**	**Lab Number**
OBS-1B	1.0	CFU's / 100 mL	143-06248

The City of Walla Walla's Mill Creek Water Treatment Laboratory will maintain records pertaining to reconstructing client's data for a minimum of five years from the date of issuance of the final report. Records may be destroyed after that .

Signature Lab Director : Tom Krebs 11-20-08 (date)

City Of Walla Walla
Water Plant Laboratory
581 Mill Creek Road
Walla Walla, WA 99362

EDGE ANALYTICAL LABORATORIES

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Bellingham WA | 805 Orchard Dr Suite 4 - 98225
Microbiology | 360.671.0688 • 360.671.1577fax

INVOICE

Client No: WAL06

Client: WALLA WALLA BASIN WATERSHED COUNCIL
810 SOUTH MAIN STREET
MILTON-FREEWATER, OR 97862

Attn: Bob Bower

Please include this number with payment

Reference: **09-03975**
Date: March 24, 2009
Project: HBDIC Recharge Project
Date Received: March 23, 2009
Purchase Order:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
1	8072.00	LWW-Intake/Head	LWW-Intake/Head	Total Suspended Solids	$19.00
2	8073.00	IG-Intake	IG-Intake 3-20-09	Total Suspended Solids	$19.00
3	8074.00	LWW-Head	LWW-Head 3-16-09	Total Suspended Solids	$19.00
4	8075.00	LWW-Head	LWW-Head 3-19-09	Total Suspended Solids	$19.00
5	8076.00	IG-Intake	IG-Intake 3-18-09	Total Suspended Solids	$19.00
6	8077.00	IG-Intake	IG-Intake 3-18-09 Dup	Total Suspended Solids	$19.00
7	8078.00	IG-Intake	IG-Intake 3-16-09 1350	Total Suspended Solids	$19.00
8	8079.00	LWW-Head	LWW-Head	Total Suspended Solids	$19.00
9	8080.00	IG-Intake	IG-Intake 3-16-09 1355	Total Suspended Solids	$19.00

Grand Total: $171.00
Amount Paid: $0.00
Amount Due: $171.00

Thank You for Your Business

Please pay by April 23, 2009 to avoid a 1.5% per month finance charge.

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March 23, 2009

Mr. Bob Bower
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

RE: 09-03975 - HBDIC Recharge Project

Dear Mr. Bob Bower,

Your project: HBDIC Recharge Project, was received on Monday March 23, 2009.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone me at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report
QC Reports
Chain of Custody

EDGE ANALYTICAL LABORATORIES

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Data Report

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **09-03975**
Project: HBDIC Recharge Project
Report Date: 3/23/09
Date Received: 3/23/09
Peer Review: [signature]

Sample Description: LWW-Intake/Head
Lab Number: 8072
Sample Date: 3/19/09
Collected By: Bower

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	8	4	1.68	mg/L	1	SM2540 D	3/23/09	MAK	TSS_090323	

Sample Description: IG-Intake - IG-Intake 3-20-09
Lab Number: 8073
Sample Date: 3/20/09
Collected By: Bower

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	9	4	1.68	mg/L	1	SM2540 D	3/23/09	MAK	TSS_090323	

Sample Description: LWW-Head - LWW-Head 3-16-09
Lab Number: 8074
Sample Date: 3/16/09
Collected By: Bower

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	37	4	1.68	mg/L	1	SM2540 D	3/23/09	MAK	TSS_090323	

Sample Description: LWW-Head - LWW-Head 3-19-09
Lab Number: 8075
Sample Date: 3/19/09
Collected By: Bower

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	8	4	1.68	mg/L	1	SM2540 D	3/23/09	MAK	TSS_090323	

Sample Description: IG-Intake - IG-Intake 3-18-09
Lab Number: 8076
Sample Date: 3/18/09
Collected By: Bower

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	8	4	1.68	mg/L	1	SM2540 D	3/23/09	MAK	TSS_090323	

Sample Description: IG-Intake - IG-Intake 3-18-09 Dup
Lab Number: 8077
Sample Date: 3/18/09
Collected By: Bower

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	8	4	1.68	mg/L	1	SM2540 D	3/23/09	MAK	TSS_090323	

Notes:
U = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Form: cRslt_2.rpt

Reference Number: **09-03975**
Report Date: 3/23/09

Data Report

Sample Description: IG-Intake - IG-Intake 3-16-09 1350 — Sample Date: 3/16/09
Lab Number: 8078 — Collected By: Bower

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	27	4	1.68	mg/L	1	SM2540 D	3/23/09	MAK	TSS_090323	

Sample Description: LWW-Head — Sample Date: 3/20/09
Lab Number: 8079 — Collected By: Bower

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	7	4	1.68	mg/L	1	SM2540 D	3/23/09	MAK	TSS_090323	

Sample Description: IG-Intake - IG-Intake 3-16-09 1355 — Sample Date: 3/16/09
Lab Number: 8080 — Collected By: Bower

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	15	4	1.68	mg/L	1	SM2540 D	3/23/09	MAK	TSS_090323	

tes:
U = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 09-03975
Report Date: 03/23/09

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
TSS_090323	TOTAL SUSPENDED SOLIDS	480	500	mg/L	SM2540 D	96	80-120		LFB	
TSS_090323	TOTAL SUSPENDED SOLIDS	500	500	mg/L	SM2540 D	100	80-120		LFB	
TSS_090323	TOTAL SUSPENDED SOLIDS	500	500	mg/L	SM2540 D	100	80-120		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100
= Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

FORM: QC Independent

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 09-03975
Report Date: 03/23/09

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
TSS_090323	TOTAL SUSPENDED SOLIDS	ND		mg/L	SM2540 D		1.00000		MB	
TSS_090323	TOTAL SUSPENDED SOLIDS	ND		mg/L	SM2540 D		1.00000		MB	
TSS_090323	TOTAL SUSPENDED SOLIDS	ND		mg/L	SM2540 D		1.00000		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

\ = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

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FORM: QC Independent

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QUALITY CONTROL REPORT

Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Reference Number: 09-03975
Report Date: 3/23/2009

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
TSS_090323									
	8078	TOTAL SUSPENDED SOLIDS	27	30	mg/L	**10.5**	0-45	DUP	
	8080	TOTAL SUSPENDED SOLIDS	15	18	mg/L	**18.2**	0-45	DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

09-03975
8072 - 8080

3/23/9

TO EDGE LAB,

This samples for Infiltration Galley testing project. I don't need chain of custody, etc. (All TSS samples)

Samples are:

All samples for HBDIC Recharge Project

Site	Date	Time	Sampler
LWW - Intake/Head	3/19/9	8:34	Bower
IG - Intake	3/20/9	11:50	
LWW - Head	3/16/9	13:34	
LWW - Head	3/19/9	8:50	
IG - Intake	3/18/9	8:30	
" "	3/18/9	8:30 Duplicate	
	3/16/9	13:50	
LWW Head	3/23/9	12:05	
(IG-Intake	3-16-09	1355) HH (not listed but have bottle.) HH	

I will use a better pen for bottles in future. Thanks.

Bob Bower

Called + left message for Bob about extra bottle. 3-23-09 @ 0936 HH

09-03975

4 04846
3-23-09
UPS 3

EDGE ANALYTICAL LABORATORIES

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Bellingham WA
Microbiology
805 Orchard Dr Suite 4 - 98225
360.671.0688 • 360.671.1577fax

INVOICE

Client No: WAL06

Please include this number with payment

Client: WALLA WALLA BASIN WATERSHED COUNCIL
810 SOUTH MAIN STREET
MILTON-FREEWATER, OR 97862

Attn: Bob Bower

Reference: **09-04307**
Date: April 3, 2009
Project: Recharge Project Monitoring
Date Received: March 30, 2009
Purchase Order:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
1	8827.00	IG-INTAKE	3/26/09	Total Suspended Solids	$19.00
2	8828.00	IG-INTAKE DUP	3/26/09	Total Suspended Solids	$19.00
3	8829.00	IG-INTAKE	3/27/09 @ 1435	Total Suspended Solids	$19.00
4	8830.00	IG-INTAKE	3/27/09 @ 1438	Total Suspended Solids	$19.00
5	8831.00	IG-INTAKE	3/24/09	Total Suspended Solids	$19.00
6	8832.00	LWW-HEAD	3/24/09	Total Suspended Solids	$19.00
7	8833.00	LWW-HEAD	3/26/09	Total Suspended Solids	$19.00
8	8834.00	LWW-HEAD DUP	3/26/09	Total Suspended Solids	$19.00
9	8835.00	LWW-HEAD	3/27/09 @ 1400	Total Suspended Solids	$19.00
10	8836.00	LWW-HEAD	3/27/09 @ 1433	Total Suspended Solids	$19.00

Grand Total:	$190.00
Amount Paid:	$0.00
Amount Due:	$190.00

Thank You for Your Business

Please pay by May 3, 2009 to avoid a 1.5% per month finance charge.

EDGE ANALYTICAL LABORATORIES

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Microbiology | 360.671.0688 • 360.671.1577fax

April 2, 2009

Mr. Bob Bower
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

RE: 09-04307 - Recharge Project Monitoring

Dear Mr. Bob Bower,

Your project: Recharge Project Monitoring, was received on Monday March 30, 2009.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone me at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report
QC Reports
Chain of Custody

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Data Report

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **09-04307**
Project: Recharge Project Monitoring
Report Date: 4/2/09
Date Received: 3/30/09
Peer Review: JM

Sample Description: IG-INTAKE - 3/26/09 | Sample Date: 3/26/09
Lab Number: 8827 | Collected By: Unknown

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	ND	4	1.68	mg/L	1	SM2540 D	3/31/09	MAK	TSS_090331	

Sample Description: IG-INTAKE DUP - 3/26/09 | Sample Date: 3/26/09
Lab Number: 8828 | Collected By: Unknown

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	7	4	1.68	mg/L	1	SM2540 D	3/31/09	MAK	TSS_090331	

Sample Description: IG-INTAKE - 3/27/09 @ 1435 | Sample Date: 3/27/09
Lab Number: 8829 | Collected By: Unknown

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	6	4	1.68	mg/L	1	SM2540 D	3/31/09	MAK	TSS_090331	

Sample Description: IG-INTAKE - 3/27/09 @ 1438 | Sample Date: 3/27/09
Lab Number: 8830 | Collected By: Unknown

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	6	4	1.68	mg/L	1	SM2540 D	3/31/09	MAK	TSS_090331	

Sample Description: IG-INTAKE - 3/24/09 | Sample Date: 3/24/09
Lab Number: 8831 | Collected By: Unknown

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	4	4	1.68	mg/L	1	SM2540 D	3/31/09	MAK	TSS_090331	

Sample Description: LWW-HEAD - 3/24/09 | Sample Date: 3/24/09
Lab Number: 8832 | Collected By: Unknown

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	24	4	1.68	mg/L	1	SM2540 D	3/31/09	MAK	TSS_090331	

Notes:
ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Form: cRslt_2.rpt

Reference Number: **09-04307**
Report Date: 4/2/09

Data Report

Sample Description: LWW-HEAD - 3/26/09 | Sample Date: 3/26/09
Lab Number: 8833 | Collected By: Unknown

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	10	4	1.68	mg/L	1	SM2540 D	3/31/09	MAK	TSS_090331	

Sample Description: LWW-HEAD DUP - 3/26/09 | Sample Date: 3/26/09
Lab Number: 8834 | Collected By: Unknown

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	5	4	1.68	mg/L	1	SM2540 D	3/31/09	MAK	TSS_090331	

Sample Description: LWW-HEAD - 3/27/09 @ 1400 | Sample Date: 3/27/09
Lab Number: 8835 | Collected By: Unknown

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	ND	4	1.68	mg/L	1	SM2540 D	3/31/09	MAK	TSS_090331	

Sample Description: LWW-HEAD - 3/27/09 @ 1433 | Sample Date: 3/27/09
Lab Number: 8836 | Collected By: Unknown

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	ND	4	1.68	mg/L	1	SM2540 D	3/31/09	MAK	TSS_090331	

Notes:
ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 09-04307
Report Date: 04/02/09

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
TSS_090331	TOTAL SUSPENDED SOLIDS	470	500	mg/L	SM2540 D	94	80-120		LFB	
TSS_090331	TOTAL SUSPENDED SOLIDS	490	500	mg/L	SM2540 D	98	80-120		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

\ = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 09-04307
Report Date: 04/02/09

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
TSS_090331	TOTAL SUSPENDED SOLIDS	ND		mg/L	SM2540 D		1.00000		MB	
TSS_090331	TOTAL SUSPENDED SOLIDS	ND		mg/L	SM2540 D		1.00000		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

A = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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QUALITY CONTROL REPORT

Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Reference Number: 09-04307

Report Date: 4/2/2009

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
TSS_090331									

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

To whom it may concern

Samples are for IG - Intake & LWW - Head, recharge propst monitoring. No chain of custody required.

509-520-3534

09-04307

3.30.09 9:45

UPS

NO COC Given

09-04307

Walla Walla

TSS

LWW - Head

3/24/09 2:35

3/26/09 11:00

Dup 3/26/09 11:00

3/27/09 14:00

3/27/09 14:33

IG Intake

3/26/09 10:41

Dup 3/26/09 10:41

3/27/09 14:35

3/27/09 14:38

3/24/09 14:45

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INVOICE

Client No: WAL06

Client: WALLA WALLA BASIN WATERSHED COUNCIL
810 SOUTH MAIN STREET
MILTON-FREEWATER, OR 97862

Attn: Bob Bower

Please include this number with payment

Reference: **09-01621**
Date: February 6, 2009
Project: TSS
Date Received: February 04, 2009
Purchase Order:

Item	Lab Sample Number	Client Sample Number	Client Sample Description	Type of Analysis	Extended Cost
1	3362.00	IG P2-2	IG P2-2	Total Suspended Solids	$19.00
2	3363.00	IG P2-5	IG P2-5	Total Suspended Solids	$19.00
3	3364.00	IG P2-5	IG P2-5	Total Suspended Solids	$19.00
4	3365.00	IG-INTAKE	IG-INTAKE	Total Suspended Solids	$19.00
5	3366.00	IG-P2-H	IG-P2-H	Total Suspended Solids	$19.00
6	3367.00	IG-P2-8	IG-P2-8	Total Suspended Solids	$19.00
7	3368.00	IG-P2-6	IG-P2-6	Total Suspended Solids	$19.00
8	3369.00	IG-P2-4	IG-P2-4	Total Suspended Solids	$19.00
9	3370.00	IG-INTAKE	IG-INTAKE	Total Suspended Solids	$19.00
10	3371.00	LWW-HEAD GATE	LWW-HEAD GATE	Total Suspended Solids	$19.00
11	3372.00	IG-P2-6	IG-P2-6	Total Suspended Solids	$19.00
12	3373.00	IG-INTAKE	IG-INTAKE	Total Suspended Solids	$19.00
13	3374.00	IG-P2-4	IG-P2-4	Total Suspended Solids	$19.00
14	3375.00	IG-INTAKE	IG-INTAKE	Total Suspended Solids	$19.00
15	3376.00	IG-P2-5	IG-P2-5	Total Suspended Solids	$19.00
16	3377.00	IG-INTAKE C	IG-INTAKE C	Total Suspended Solids	$19.00
17	3378.00	IG-P2-6	IG-P2-6	Total Suspended Solids	$19.00
18	3379.00	IG-INTAKE	IG-INTAKE	Total Suspended Solids	$19.00
19	3380.00	IG-P2-3	IG-P2-3	Total Suspended Solids	$19.00
20	3381.00	IG-P2-4	IG-P2-4	Total Suspended Solids	$19.00
21	3382.00	IG-P2-5	IG-P2-5	Total Suspended Solids	$19.00
22	3383.00	IG-P2-5	IG-P2-5	Total Suspended Solids	$19.00
23	3384.00	IG-P2-4	IG-P2-4	Total Suspended Solids	$19.00
24	3385.00	IG-P2-4	IG-P2-4	Total Suspended Solids	$19.00

Grand Total:	$456.00
Amount Paid:	$0.00
Amount Due:	$456.00

Thank You for Your Business

Please pay by March 8, 2009 to avoid a 1.5% per month finance charge.

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February 6, 2009

Bob Bower
Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

RE: 09-01621 - TSS

Dear Bob Bower,

Your project: TSS, was received on Wednesday February 04, 2009.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone me at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report
QC Reports
Chain of Custody

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Data Report

Client Name: Walla Walla Basin Watershed Council
810 South Main Street
Milton-Freewater, OR 97862

Reference Number: **09-01621**
Project: TSS
Report Date: 2/6/09
Date Received: 2/4/09
Peer Review:

Sample Description: IG P2-2
Lab Number: 3362
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	191	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG P2-5
Lab Number: 3363
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	496	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG P2-5
Lab Number: 3364
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	1670	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-INTAKE
Lab Number: 3365
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	9	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-P2-H
Lab Number: 3366
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	747	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-P2-8
Lab Number: 3367
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	2202	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Form: cRslt_2.rpt

Reference Number: **09-01621**
Report Date: 2/6/09

Data Report

Sample Description: IG-P2-6
Lab Number: 3368
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	954	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-P2-4
Lab Number: 3369
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	539	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-INTAKE
Lab Number: 3370
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	4	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: LWW-HEAD GATE
Lab Number: 3371
Sample Date: 2/2/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	ND	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-P2-6
Lab Number: 3372
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	732	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-INTAKE
Lab Number: 3373
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	7	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-P2-4
Lab Number: 3374
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	564	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Notes:
ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

Reference Number: **09-01621**
Report Date: 2/6/09

Data Report

Sample Description: IG-INTAKE
Lab Number: 3375
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	8	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-P2-5
Lab Number: 3376
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	1282	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-INTAKE C
Lab Number: 3377
Sample Date: 2/2/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	5	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-P2-6
Lab Number: 3378
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	773	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-INTAKE
Lab Number: 3379
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	5	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-P2-3
Lab Number: 3380
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	4280	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-P2-4
Lab Number: 3381
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	880	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

Reference Number: **09-01621**
Report Date: 2/6/09

Data Report

Sample Description: IG-P2-5
Lab Number: 3382
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	8420	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-P2-5
Lab Number: 3383
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	1346	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-P2-4
Lab Number: 3384
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	7110	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Sample Description: IG-P2-4
Lab Number: 3385
Sample Date: 1/29/09
Collected By:

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10162	**TOTAL SUSPENDED SOLIDS**	610	4	1.68	mg/L	1	SM2540 D	2/5/09	MAK	TSS_090205	

Notes:
ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

EDGE ANALYTICAL LABORATORIES

Burlington WA | 1620 S Walnut St - 98233
Corporate Office | 800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA | 805 Orchard Dr Suite 4 - 98225
Microbiology | 360.671.0688 • 360.671.1577fax

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 09-01621
Report Date: 02/06/09

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
TSS_090205	TOTAL SUSPENDED SOLIDS	480	500	mg/L	SM2540 D	96	80-120		LFB	
TSS_090205	TOTAL SUSPENDED SOLIDS	500	500	mg/L	SM2540 D	100	80-120		LFB	
TSS_090205	TOTAL SUSPENDED SOLIDS	470	500	mg/L	SM2540 D	94	80-120		LFB	
TSS_090205	TOTAL SUSPENDED SOLIDS	480	500	mg/L	SM2540 D	96	80-120		LFB	

*Notation:

%Recovery = (Result of Analysis)/(True Value) * 100

N/A = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

EDGE ANALYTICAL LABORATORIES

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800.755.9295 • 360.757.1400 • 360.757.1402fax

Bellingham WA
Microbiology
805 Orchard Dr Suite 4 - 98225
360.671.0688 • 360.671.1577fax

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 09-01621
Report Date: 02/06/09

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
TSS_090205	TOTAL SUSPENDED SOLIDS	ND		mg/L	SM2540 D		1.00000		MB	
TSS_090205	TOTAL SUSPENDED SOLIDS	ND		mg/L	SM2540 D		1.00000		MB	
TSS_090205	TOTAL SUSPENDED SOLIDS	ND		mg/L	SM2540 D		1.00000		MB	
TSS_090205	TOTAL SUSPENDED SOLIDS	ND		mg/L	SM2540 D		1.00000		MB	

*Notation:

%Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

FORM: QC Independent

EDGE ANALYTICAL LABORATORIES

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Corporate Office | 800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA | 805 Orchard Dr Suite 4 - 98225
Microbiology | 360.671.0688 • 360.671.1577fax

QUALITY CONTROL REPORT

Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Reference Number: 09-01621

Report Date: 2/6/2009

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
TSS_090205									
	3370	TOTAL SUSPENDED SOLIDS	4	4	mg/L	**0.0**	0-45		DUP
	3380	TOTAL SUSPENDED SOLIDS	4280	3916	mg/L	**8.9**	0-45		DUP
	3385	TOTAL SUSPENDED SOLIDS	610	633	mg/L	**3.7**	0-45		DUP

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

2,680

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

Report to:	Walla Walla Basin Watershed Cour	Bill to:	Walla Walla Basin Watershed Counc	**For Lab Use Only**	
Ship Address:	810 S Main Street	Address:	810 S Main Street	Ref #	
City:	Milton-Freewa St: OR Zip: 97862	City:	Milton-Freewa St: OR Zip: 97862	**Check Regulatory Program**	
Attn:	Bob Bower	Phone:	FAX:	☐ Safe Drinking Water Act	
Phone:	541.938-2170 FAX:	P.O.#:	Attn:	☐ Clean Water Act	
Email:	bob.bower@wwwbwc.org	☐ Visa ☐ M/C ☐ A/E	Expires /	☐ RCRA / CERCLA	
Project		Card#:		☐ Other	

ANALYTICAL
"The lab you can trust"
1620 S. Walnut St.
Burlington, WA 98233
1.800.755.9295

805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

Instructions
1. Use one line per sample.
2. Be specific in analysis requests.
3. Check off analyses to be performed for each sample.
4. Enter number of containers.

Turn Around Time Required
- ☒ Standard
- ☐ Half-time (50% surcharge)
- ☐ Quickest (100% surcharge)
- ☐ Other

Analyses Requested

CO002680

Field ID	Location	Grab/ Comp.	Matrix	Date	Time	SOC Package	TKN, COD	NO3, o-PO4, Cl, TDS	1 Set HCL Green caps only.	TSS				Number of Containers	Special Instructions Conditions on Receipt
X IG-#s	Infiltration Galley	24				☐	☐	☐	☐	☑	☐	☐	☐	1	24 sample, for, Inf. Hration galley testing.
1 Ig p2-2				1.29	11:15	☐	☐	☐	☐	☐	☐	☐	☐		
2 Ig p2-5				1.29	10:52	☐	☐	☐	☐	☐	☐	☐	☐		
3 Ig p2-5				1.29	13:58	☐	☐	☐	☐	☐	☐	☐	☐		
4 Ig-Intake				1.29	13:57 (13:57)	☐	☐	☐	☐	☐	☐	☐	☐		
5 Ig-p2-4				1.29	13:57	☐	☐	☐							
6 Ig-p2-8				1.29	11:45	☐	☐	☐							
7 Ig-p2-6				129	11:59	☐	☐	☐							
8 Ig-p2-4				1.29	12:57	☐	☐	☐	☐	☐	☐	☐	☐		
10						☐	☐	☐	☐	☐	☐	☐	☐		

09-01621
3362 - 3385

Sampled by: Bower Phone: 541-938-2170 FAX: Email: bob.bower@wwbwc.org Total Containers

Sample Receipt Request (Must include FAX or Email) ☐

2.4.09 No info on COC - okay, to take info off bottles + time/date - Cindy O'Toole will talk to client regarding info that needs to be filled out on CoC. OK - fran

Relinquished by	Date	Time	Received by	Date	Time
				2.4.09	10:15

	Yes	No	N/A
Custody seals intact	☐	☐	☐
Sample temp 3 C satisfactory	☐	☐	☐
Samples received intact	☐	☐	
Chain of custody & labels agree	☐	☐	

UPS

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)

REPORT TO:	BILL TO:	FOR LAB USE ONLY
ADDRESS:	ADDRESS:	REF#
CITY: STATE: ZIP:	CITY: STATE: ZIP:	CHECK REGULATORY PROGRAM
ATTN:	PHONE: FAX:	☐ SAFE DRINKING WATER ACT
PHONE: FAX:	P.O.#: ATTN:	☐ CLEAN WATER ACT
EMAIL:	☐ VISA ☐ M/C ☐ A/E EXPIRES /	☐ RCRA / CERCLA
PROJECT NAME:	CARD#	☐ OTHER

EDGE ANALYTICAL LABORATORIES

Corporate
1620 S Walnut St
Burlington, WA 98233
1.800.755.9295

Microbiology
805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

INSTRUCTIONS
1. USE ONE LINE PER SAMPLE **LOCATION**.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION.
4. ENTER NUMBER OF CONTAINERS.

TURN AROUND TIME REQUIRED
- ☐ STANDARD
- ☐ HALF-TIME (50% SURCHARGE)
- ☐ QUICKEST (100% SURCHARGE) PHONE CALL REQ.
- ☐ EMERGENCY (PHONE CALL REQUIRED)

ANALYSIS REQUESTED

	SAMPLE ID	LOCATION	GRAB/ COMP.	MATRIX	DATE	TIME								NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT
11	Ig-Intake				1.29	14:55	☐	☐	☐	☐	☐	☐	☐		
12	Lww-Head gate				2.2	9:43	☐	☐	☐	☐	☐	☐	☐		
13	Ig-p2-6				1.29	13:59	☐	☐	☐	☐	☐	☐	☐		
14	Ig-Intake				1.29	10:00	☐	☐	☐	☐	☐	☐	☐		
15	Ig-p2-4				1.29	14:59	☐	☐	☐	☐	☐	☐	☐		
16	Ig-Intake				1.29	10:32	☐	☐	☐	☐	☐	☐	☐		
17	Ig-p2-5				1.29	14:59	☐	☐	☐	☐	☐	☐	☐		
18	Ig Intake C				2.2.09	9:30	☐	☐	☐	☐	☐	☐	☐		
19	Ig-p2-6				1.29	15:00	☐	☐	☐	☐	☐	☐	☐		
20	Ig-Intake				1.29	11:14	☐	☐	☐	☐	☐	☐	☐		

SAMPLED BY: PHONE: FAX: EMAIL: ◀TOTAL CONTAINERS

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) ☐

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME

	YES	NO	N/A
CUSTODY SEALS INTACT	☐	☐	☐
SAMPLE TEMP_____°C SATISFACTORY	☐	☐	☐
SAMPLES RECEIVED INTACT	☐	☐	
CHAIN OF CUSTODY & LABELS AGREE	☐	☐	

FORM: COC 10-02-2007

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)

REPORT TO:	BILL TO:	FOR LAB USE ONLY
ADDRESS:	ADDRESS:	REF#
CITY: STATE: ZIP:	CITY: STATE: ZIP:	CHECK REGULATORY PROGRAM
ATTN:	PHONE: FAX:	☐ SAFE DRINKING WATER ACT
PHONE: FAX:	P.O.#: ATTN:	☐ CLEAN WATER ACT
EMAIL:	☐ VISA ☐ M/C ☐ A/E EXPIRES /	☐ RCRA / CERCLA
PROJECT NAME:	CARD#	☐ OTHER

EDGE ANALYTICAL LABORATORIES

Corporate
1620 S Walnut St
Burlington, WA 98233
1.800.755.9295

Microbiology
805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

INSTRUCTIONS
1. USE ONE LINE PER SAMPLE LOCATION.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION.
4. ENTER NUMBER OF CONTAINERS.

TURN AROUND TIME REQUIRED
- ☐ STANDARD
- ☐ HALF-TIME (50% SURCHARGE)
- ☐ QUICKEST (100% SURCHARGE) PHONE CALL REQ.
- ☐ EMERGENCY (PHONE CALL REQUIRED)

ANALYSIS REQUESTED

	SAMPLE ID	LOCATION	GRAB/ COMP.	MATRIX	DATE	TIME								NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT
20	Ig-p2-3				1.29	10:54	☐	☐	☐	☐	☐	☐	☐		
21	Ig-p2-4				1.29	11:15	☐	☐	☐	☐	☐	☐	☐		
22	Ig-p2-5				1.29	11:17	☐	☐	☐	☐	☐	☐	☐		
23	Ig-p2-3				1.29	12:58	☐	☐	☐	☐	☐	☐	☐		
24	Ig-p2-4				1.29	11:46	☐	☐	☐	☐	☐	☐	☐		
25	Ig-p2-4				1.29	11:45	☐	☐	☐	☐	☐	☐	☐		
7							☐	☐	☐	☐	☐	☐	☐		
8							☐	☐	☐	☐	☐	☐	☐		
9							☐	☐	☐	☐	☐	☐	☐		
10							☐	☐	☐	☐	☐	☐	☐		

SAMPLED BY: PHONE: FAX: EMAIL: ◀TOTAL CONTAINERS

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) ☐

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME

	YES	NO	N/A
CUSTODY SEALS INTACT	☐	☐	☐
SAMPLE TEMP_____°C SATISFACTORY	☐	☐	☐
SAMPLES RECEIVED INTACT	☐	☐	
CHAIN OF CUSTODY & LABELS AGREE	☐	☐	

CITY OF WALLA WALLA

MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road • Walla Walla, WA 99362
Phone 509/522-3775 • Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected (Month Day Year)	Time Sample Collected	County
5 / 28 / 09	5 : 30 ☒ AM ☐ PM	Walla Walla

Type of Water System (check only one box)
☐ Group A Public ☐ Private Household
☐ Group B Public ☒ Other ASR

Group A and Group B Systems – Provide from Water Facilities Inventory (WFI):
ID# ___ ___ ___ ___ ___ ___
System Name: WWBWC
Contact Person: BOB BOWER
Day Phone: (541) 938-2170 Cell Phone: (509) 520-3534
Eve. Phone: ( ) FAX: ( )
Send results to: (Print full name, address and zip code)
WALLA WALLA BASIN WATERSHED COUNCIL
810. So. MAIN P.O BOX 68
MILTON-FREEWATER, OR. 97862

SAMPLE INFORMATION

Sample collected by (name): BOB BOWER
Specific location where sample collected (address or sample site, and type of faucet): HBDIC (OBS1) * DUPLICATE
Special instructions or comments:

Type of Sample (must check only **one** box of #1 through #4 listed below)

1. ☐ **Routine Distribution Sample**
Provide information below.
Chlorinated: Yes_____ No_____
Chlorine Residual: Total_____ Free_____

2. ☐ **Repeat Sample (follow-up to an unsatisfactory sample)**
Provide information below.
Unsatisfactory routine lab number:
___ ___ ___ ___ ___ ___ ___
Unsatisfactory routine collect date:
_____/_____/_____
Chlorinated: Yes_____ No_____
Chlorine Residual: Total_____ Free_____

3. ☐ **Raw Water Source Sample**
Required for Surface Water, GWI, and some Spring Sources)
☐ Total Coliform
☐ Fecal Coliform
|___|___|___|___|
Public Systems must provide Source Number from (WFI)

4. ☒ **Sample Collected for Information Only**
Construction_____ Repairs_____ Private Residence_____ Other MFC

LAB USE ONLY — DRINKING WATER RESULTS — LAB USE ONLY

☐ **Unsatisfactory**
Total Coliform Present **and**
☐ E.coli present ☐ E.coli absent
☐ Fecal coliform present ☐ Fecal coliform absent

☐ **Satisfactory**
Total Coliform Absent

☐ **Replacement Sample Required**

Sample not tested because:
☐ Sample too old (>30 hours)
☐ Improper container
☐ _____

Test unsuitable because:
☐ TNTC
☐ Turbid culture
☐ _____

Bacterial Density Results: Plate Count_____/ml. E.coli_____/100ml.
Total Coliform_____/100ml. Fecal Coliform 0.0 /100ml.

MICR Method Code: ☒ 1140 ☐ 1340 ☐ 2720
Date and Time Received: 5/28/09 @ 10:00 AM
Date Analyzed: 5/28/09 (CS)
Date Reported: 5/29/09
Lab/Sample Number: 143- 06951
Lab Use:

DOH Form #331-319 (revised 5/06) SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS

WATER SUPPLIER COPY

CITY OF WALLA WALLA

MILL CREEK WATER TREATMENT PLANT
581 Mill Creek Road • Walla Walla, WA 99362
Phone 509/522-3775 • Fax 509/529-9681

COLIFORM BACTERIA ANALYSIS

SAMPLE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN ROD COPY
If instructions are not followed, sample will be rejected.

Date Sample Collected (Month Day Year)	Time Sample Collected	County
5 / 28 / 09	5 : 30 ☒ AM ☐ PM	Walla Walla

Type of Water System (check only one box)
☐ Group A Public ☐ Private Household
☐ Group B Public ☒ Other ASR

Group A and Group B Systems – Provide from Water Facilities Inventory (WFI):
ID# ___ ___ ___ ___ ___ ___
System Name: WWBWC
Contact Person: BOB BOWER
Day Phone: (541) 938-2170 Cell Phone: (509) 520-3534
Eve. Phone: ( ) FAX: ( )
Send results to: (Print full name, address and zip code)
WALLA WALLA BASIN WATERSHED COUNCIL
810 SO. MAIN P.O BOX 68
MILTON-FREEWATER, OR 97862

SAMPLE INFORMATION

Sample collected by (name): BOB BOWER
Specific location where sample collected (address or sample site, and type of faucet): HBDIC (OBS1)
Special instructions or comments:

Type of Sample (must check only one box of #1 through #4 listed below)

1. ☐ Routine Distribution Sample
Provide information below.
Chlorinated: Yes_____ No_____
Chlorine Residual: Total_____ Free_____

2. ☐ Repeat Sample (follow-up to an unsatisfactory sample)
Provide information below.
Unsatisfactory routine lab number:
___ ___ ___ ___ ___ ___ ___
Unsatisfactory routine collect date:
_____/_____/_____
Chlorinated: Yes_____ No_____
Chlorine Residual: Total_____ Free_____

3. ☐ Raw Water Source Sample
Required for Surface Water, GWI, and some Spring Sources)
☐ Total Coliform
☐ Fecal Coliform
|___|___|___|___|
Public Systems must provide Source Number from (WFI)

4. ☒ Sample Collected for Information Only
Construction_____ Repairs_____ Private Residence_____ Other MFC

LAB USE ONLY — DRINKING WATER RESULTS — LAB USE ONLY

☐ Unsatisfactory
Total Coliform Present and
☐ E.coli present ☐ E.coli absent
☐ Fecal coliform present ☐ Fecal coliform absent

☐ Satisfactory
Total Coliform Absent

☐ Replacement Sample Required

Sample not tested because:
☐ Sample too old (>30 hours)
☐ Improper container
☐ _____

Test unsuitable because:
☐ TNTC
☐ Turbid culture
☐ _____

Bacterial Density Results: Plate Count_____/ml. E.coli_____/100ml.
Total Coliform_____/100ml. Fecal Coliform 0.0 /100ml.

MICR Method Code: ☒ 1140 ☐ 1340 ☐ 2720
Date and Time Received: 5/28/09 @ 10:00 AM
Date Analyzed: 5/28/09 (CS)
Date Reported: 5/29/09
Lab/Sample Number: 143- 06950
Lab Use:

DOH Form #331-319 (revised 5/06) SEE REVERSE OF GREEN COPY FOR EXPLANATION OF RESULTS

WATER SUPPLIER COPY