

Date: October 11, 2012

To: Steve Teel, Dept. of Ecology, Toxics Cleanup Program/SW Region

From: John Felder, Dept. of Natural Resources/Engineering Division - Environmental Services

Ref: August 13 - 15, 2012 DNR Webster Nursery Groundwater Sampling Event Former pesticide storage warehouse UST site, Thurston Co. Agreed Order No. DE00TCP-SR295

This memorandum summarizes all pertinent information related to the reference sampling event. If questions arise, feel free to contact me at 360-902-1158, john.felder@dnr.wa.gov.

#### <u>Summary</u>

For the six wells sampled for pesticides (methods 525.2/508.1), locations SW-10 & -11 exceeded both MTCA and MCL standards for heptachlor epoxide, at concentrations of 0.41 & 1.43 ug/L respectively. The MTCA cleanup standard for heptachlor epoxide is 0.00962 ug/L. The drinking water MCL standard is 0.20 ug/L. A blind field duplicate sample for SW-11 was found to be 1.39 ug/L, agreeing closely with the paired sample. The results of this sampling event show an increase from the previous sampling event, but consistent with past results since 2001.

#### <u>Methodology</u>

All monitoring and sampling methods used, were in accordance with the Agreed Order. Groundwater elevations were measured with an electronic liquid level sensing meter. During groundwater purging, water quality parameters were measured using a Horiba water quality meter and inline flow-through cell. A Master Flex peristaltic pump was used for groundwater purging/sampling, as per EPA low flow sampling procedures (EPA/540/S-95/504, April 1996). Low flow sampling varied from 125 to 333 ml/minute for this event. Water samples were collected and preserved for shipping, following stabilization of water quality parameters. Pesticide samples were delivered to Edge Analytical Laboratories and Natural Attenuation Parameter (NAP) samples delivered to Water Management Laboratory. All samples were properly received by the labs under chain-of-custody. Other in-field water quality measurements were collected and are shown in attached tables. A change to previous sampling events was that Ferrous Iron analysis was conducted onsite, using a Hach brand field test kit.

#### Groundwater sampling results

Summarized sampling results, a combined well sampling location plan/groundwater elevation map, and laboratory analytical data sheets are attached.

For this event, detected pesticides were heptachlor epoxide @ SW-10 & 11 with concentrations of **0.41 & 1.43** ug/L respectively (**MTCA = 0.00962** ug/L), chlordane @ SW-10 & 11 with concentrations



of 0.06 & 0.05 ug/L respectively (MTCA = 0.25 ug/L), simazine @ SW-10 with a concentration of 0.32 ug/l (MTCA = 0.729 ug/l) and atrazine @ SW-15 with a concentration of 0.10 ug/L (MTCA = 0.398 ug/L).

For quality control purposes, SW-BFD (blind field duplicate for SW-11) exhibited a heptachlor epoxide concentration of 1.39 ug/L, a close correlation to the 1.43 ug/l paired split sample result.

Of the above detections, the SW-10 & 11 heptachlor epoxide concentrations were greater than the associated groundwater cleanup standard.

This is the second sampling event where natural attenuation monitoring parameters (Nitrate, TOC, sulfate, sulfide, ferrous iron) were collected. Additional data may need to be collected to draw any meaningful conclusions.

Review of field measured water quality parameters does show differences between groundwater samples from site non-compliant wells (SW-10 & -11) vs. compliant wells (SW-9, -14, -15 & -16). The non-compliant wells show higher conductivity, substantially lower DO & ORP, and somewhat lower pH values than the compliant wells. This appears to indicate anaerobic subsurface conditions and possible environmental limitations may exist, as related to bioremediation, in the area around the non-compliant wells. However, considering "normal" readings at SW-9 (about 25' to 35' separation from SW-10 & -11), this seems to be a very small area.

#### **Conclusions**

- Heptachlor epoxide continues to be the only contaminant exceeding MTCA groundwater cleanup standards and is only detected within 10 feet of the former UST site cleanup excavation perimeter. Concentrations over time are variable, ranging between about 0.3 and 1.5 ug/L, from 2001 to the present. Initial year 2000 concentrations were 2.0 to 2.5 ug/L. The lowest heptachlor epoxide concentration of 0.33 ug/L is still well above the MTCA cleanup standard of 0.00962 ug/L of the Agreed Order. If pesticide remediation is naturally occurring, the rate of reduction appears very slow and erratic. It is possible that residual concentrations of heptachlor epoxide exist in soil immediately adjacent to the former UST excavation. It is also possible that the heptachlor epoxide detections are colloidal in nature and not dissolved in groundwater.
- Chlordane and heptachlor related pesticide concentrations remain consistently below MTCA cleanup standards from February 2007 to the present. This confirms reduction of those analytes by natural processes (see Appendix A, Figures 8 & 9 and recent sample summary tables).
- After 13 years of groundwater monitoring at perimeter well locations SW-14, -15 and -16, there is no evidence of offsite pesticide migration from the release area. It is DNR's contention that this site does not represent a concern to offsite public water supply users or the environment.

Semi-annual groundwater monitoring will continue as required under the Agreed Order. No ground disturbing activity is allowed at the release site as per the Agreed Order restrictive covenant.



# August 13, 2012 Webster Nursery Groundwater Elevations & Flow Direction

# Appendix A – 2000 to 2009 pesticide data trends







# Appendix B – Post 2009 ground water quality data

#### Webster Nursery Groundwater Chlordane and Heptachlor Results

Date	<u>SW-9</u>	<u>SW-10</u>	<u>SW-11</u>	<u>SW-14</u>	<u>SW-15</u>	<u>SW-16</u>
1/13/2010	ND	nr	0.02/0.05*	ND	ND	ND
7/20/2010	ND	nr	0.03/0.17*	ND	ND	ND
1/24/2011	ND	nr	ND	ND	ND	ND
8/8/2011	ND	nr	ND	ND	ND	ND
2/28/2012	ND	0.08/0.04*	ND	ND	ND	ND
8/13/2012	ND	0.06	ND/0.05*	ND	ND	ND

#### Alpha/Gamma Chlordane (ug/L) MTCA = 0.25

#### Heptachlor (ug/L) MTCA = 0.0194

<u>SW-9</u>	<u>SW-10</u>	<u>SW-11</u>	<u>SW-14</u>	<u>SW-15</u>	<u>SW-16</u>
ND	nr	ND	ND	ND	ND
ND	nr	ND	ND	ND	ND
ND	nr	ND	ND	ND	ND
ND	nr	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND
	<u>SW-9</u> ND ND ND ND ND ND	SW-9SW-10NDnrNDnrNDnrNDnrNDNDNDNDNDNDNDND	SW-9SW-10SW-11NDnrNDNDnrNDNDnrNDNDnrNDNDNDNDNDNDNDNDNDND	SW-9SW-10SW-11SW-14NDnrNDNDNDnrNDNDNDnrNDNDNDnrNDNDNDNDNDNDNDNDNDNDNDNDNDNDNDNDNDND	SW-9SW-10SW-11SW-14SW-15NDnrNDNDNDNDnrNDNDNDNDnrNDNDNDNDnrND

#### Heptachlor Epoxide (ug/L) MTCA = 0.00962

Date	<u>SW-9</u>	<u>SW-10</u>	<u>SW-11</u>	<u>SW-14</u>	<u>SW-15</u>	<u>SW-16</u>
1/13/2010	ND	nr	1.14	ND	ND	ND
7/20/2010	ND	nr	1.76	ND	ND	ND
1/24/2011	ND	nr	0.7	ND	ND	ND
8/8/2011	ND	nr	1.27	ND	ND	ND
2/28/2012	ND	0.34/0.33*	0.45	ND	ND	ND
8/13/2012	ND	0.41	1.43/1.39*	ND	ND	ND

nr = not required ND = non-detect \* = Blind Field Duplicate result Bold values are above MTCA standards

		Nitrate	(I/lõm) (			TOC (	( <u> /bu</u>			Sulfate	( <u>I/bm)                                    </u>	
Date	SW-9	SW-10	SW-11	SW-16	SW-9	SW-10	SW-11	<u>SW-16</u>	SW-9	SW-10	SW-11	<u>SW-16</u>
2/28/12	0.5	<0.2	<0.2	<0.2	0.5	4.0	2.3	0.6	7.0	5.0	V	1.0
8/13/12	0.7	<0.2	0.3	0.4	0.5	3.8	0.7	0.40	10	ന	<del>~~</del>	V
		Sulfide	(mg/l)		Ľ	<u>errous Ir</u>	/bm) uo.					
Date	SW-9	SW-10	SW-11	SW-16	SW-9	SW-10	SW-11	<u>SW-16</u>				
2/28/12	<0.1	<0.1	<0.1	<0.1	<0.03	0.42	1.2	<0.03				
8/13/12	<0.1	<0.1	<0.1	<0.1	0	2.8		0				

# Notes:

The 2/28/12 sulfide and ferrous iron samples (in italics) were flagged for exceeding fixed analytical lab holding times. All ferrous iron samples, following the 2/28/12 sample event, are performed onsite via Hach field test kit. All sulfide sample results following the 2/28/12 sample event are preserved in the field.

Webster Nursery Groundwater Natural Attenuation Monitoring Parameters

#### Webster Nursery field-measured water quality parameters

		Temp	erature	e (degre	ees F)				Cor	nductiv	ity (uS/	<u>′cm)</u>	
Date	<u>SW-9</u>	<u>SW-</u> <u>10</u>	<u>sw-</u> <u>11</u>	<u>SW-</u> 14	<u>SW-</u> 15	<u>SW-</u> <u>16</u>		<u>SW-9</u>	<u>SW-</u> <u>10</u>	<u>SW-</u> <u>11</u>	<u>SW-</u> 14	<u>SW-</u> 15	<u>SW-</u> <u>16</u>
1/13/10	47.8	nm	50.4	52.0	48.2	51.8		nm	nm	nm	nm	nm	nm
7/20/10	52.0	nm	53.1	61.3	56.8	59.0		nm	nm	nm	nm	nm	nm
1/24/11	48.2	nm	49.5	49.3	49.6	50.9		nm	nm	nm	nm	nm	nm
8/8/11	52.9	nm	53.4	56.5	53.6	56.3	(	0.096	nm	0.249	0.062	0.069	0.052
2/28/12	45.2	47.6	47.5	45.8	45.0	46.6	(	0.075	0.152	0.149	0.033	0.045	0.040
8/13/12	53.1	53.1	54.1	53.8	52.7	54.9	(	0.085	0.159	0.166	0.048	0.064	0.048
											(m)		

			<u>ph</u>	(30)					<u>URP</u>	<u>(IIIV)</u>		
Date	<u>SW-9</u>	<u>SW-</u> <u>10</u>	<u>SW-</u> <u>11</u>	<u>SW-</u> 14	<u>SW-</u> 15	<u>SW-</u> <u>16</u>	<u>SW-9</u>	<u>SW-</u> <u>10</u>	<u>SW-</u> <u>11</u>	<u>SW-</u> 14	<u>SW-</u> 15	<u>SW-</u> <u>16</u>
1/13/10	5.65	nm	5.42	5.76	5.84	5.85	455	nm	407	444	449	429
7/20/10	5.25	nm	6.79	6.48	6.42	6.39	374	nm	778	482	466	427
1/24/11	6.24	nm	6.11	5.82	7.27	5.95	252	nm	221	275	231	230
8/8/11	5.95	nm	6.96	6.12	5.98	6.52	316	nm	393	327	325	250
2/28/12	5.35	5.29	5.31	5.56	5.59	5.55	235	90	32 (-)	235	241	252
8/13/12	5.23	4.93	4.64	5.46	4.97	5.04	212	35	144	251	261	226

#### <u>DO (mg/l)</u>

Turbidity (NTU)

		<u>SW-</u>	<u>SW-</u>	<u>SW-</u>	<u>SW-</u>	<u>SW-</u>		<u>SW-</u>	<u>SW-</u>	<u>SW-</u>	<u>SW-</u>	<u>SW-</u>
Date	<u>SW-9</u>	<u>10</u>	<u>11</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>SW-9</u>	<u>10</u>	<u>11</u>	<u>14</u>	<u>15</u>	<u>16</u>
1/13/10	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm
7/20/10	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm
1/24/11	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm
8/8/11	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm
2/28/12	4.60	0.00	0.00	4.54	9.74	3.60	10.6	14.3	12.7	nm	19.1	11.3
8/13/12	4.03	0.00	0.00	7.64	7.56	1.28	6.5	3.7	2.2	13.0	4.5	9.6

#### Notes:

All above measurments by Horiba water quality meter

nm = not measured

(-) = negative ORP value

# Appendix C - Laboratory data sheets



Burlington WA	Bellingham WA	Portland OR
Corporate Office	Microbiology	Microbiology/Chemistry
1620 S Walnut St - 98233	805 Orchard Dr Ste 4 - 98225	9150 SW Pioneer Ct Ste W- 97070
800.755.9295 • 360.757.1400	360.671.0688	503.682.7802

September 13, 2012

Page 1 of 1

John Felder WADNR Engineering Division 1111 Washington Street SE Olympia, WA 98504

RE: 12-14083 - Webster Nursery

Dear John Felder,

Your project: Webster Nursery, was received on Thursday August 16, 2012.

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 us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD Director of Laboratories

Enclosures Data Report



Burlington WA
Corporate Office

Bellingham WA Microbiology

1620 S Walnut St - 98233 800.755.9295 • 360.757.1400 360.671.0688

Portland OR Microbiology/Chemistry 805 Orchard Dr Ste 4 - 98225 9150 SW Pioneer Ct Ste W- 97070

503.682.7802

Page 1 of 1

# SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Clier	nt Name: WADNR Enginee	ering Divisi	on			Ret	ference N	umber:	12-14083
	1111 Washington Olympia, WA 98	n Street SE 504	5				F	Project:	Webster Nursery
	Project::	SW/ 0					I ah N	umber	32153
	Sample Description:	Nurserv					Repo	t Date:	8/28/12
	Sampled By:	raicery					Date An	alyzed:	08/21/12
	Sample Date:	8/14/12					Date Ext	racted:	525_120821
	Source Type:						A	nalyst:	CO
	Sampler Phone:						Peer F	Review:	TWI
						A	nalytical N	lethod:	525.2
									Pesticides by 525 - Washington Sta
CAS	COMPOUND		RESULTS	UNITS	PQL	MDL	MCL	COM	MENT
EPA R	Regulated								
1912-24-9	ATRAZINE		ND	ug/L		0.03			-
122-34-9	SIMAZINE		ND	ug/L		0.03			



SIMAZINE

Burlington WA Corporate Office	Bellingham WA
1620 S Walnut St - 98233	805 Orchard Dr Ste 4 -
800,755,9295 • 360,757,1400	360.671.0688

Portland OR Microbiology/Chemistry

- 98225 9150 SW Pioneer Ct Ste W- 97070 503.682.7802

Page 1 of 1

# SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Clie	ent Name: WADNR Enginee	ring Divisio	on			Ret	ference N	umber:	12-14083
	1111 Washingtor Olympia, WA 98	n Street SE 504					F	Project:	Webster Nursery
	Project:: Field ID: Sample Description: Sampled By: Sample Date: Source Type: Sampler Phone:	SW-10 Nursery 8/13/12				Ar	Lab N Repor Date An Date Ext A Peer F nalytical M	umber: t Date: alyzed: racted: nalyst: Review: fethod:	32154 8/28/12 08/21/12 525_120821 CO 525.2 Resticides by 525 - Washington Sta
CAS	COMPOUND		RESULTS	UNITS	PQL	MDL	MCL	COMM	MENT
EPA	Regulated								
1912-24-9	ATRAZINE		ND N1	ug/L		0.03			
122-34-9	SIMAZINE		0.32	ug/L		0.03			



Burlington WA Corporate Office	Bellingham WA Microbiology				
1620 S Wainut St - 98233	805 Orchard Dr Ste 4 - 98225				
800.755.9295 • 360.757.1400	360.671.0688				

Portland OR ellingham WA robiology Microbiology/Chemistry

> 9150 SW Pioneer Ct Ste W- 97070 503.682.7802

> > Page 1 of 1

# SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Clie	ent Name: WAD	NR Enginee	ring Divisi	on			Re	ference N	umber: 12-14083	
	1111 Olym	Washington pia, WA 98	Street SE	Ē					Project: Webster Nursery	
	Samp	Project:: Field ID: le Description: Sampled By: Sample Date: Source Type: ampler Phone:	SW-11 Nursery 8/13/12				A	Lab N Repo Date An Date Ex Peer I nalytical N	umber: 32155 rt Date: 8/28/12 alyzed: 08/21/12 tracted: 525_120821 Analyst: CO Review: 111 Method: 525.2	
1.00					. <u>.</u>				Pesticides by 525 - Washingtor	Sta
CAS	COMPOUND			RESULTS	UNITS	PQL	MDL.	MCL	COMMENT	
EPA	Regulated									
1912-24-9	ATRAZINE			ND	ug/L		0.03			
122-34-9	SIMAZINE			ND	ug/L		0.03			



Burlington WA Corporate Office	Bellingham WA				
1620 S Walnut St - 98233	805 Orchard Dr Ste 4 -				
800.755.9295 • 360.757.1400	360.671.0688				

Portland OR Microbiology/Chemistry

4 - 98225 9150 SW Pioneer Ct Ste W- 97070 503.682.7802

Page 1 of 1

# SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Cli	ent Name:	: WADNR Engineering Division						ference N	umber:	12-14083	
		1111 Washington Olympia, WA 98	Street SE 504	=					Project:	Webster Nursery	
		Project::									
		Field ID:	SW-14					Lab N	umber:	32156	
		Sample Description:	Nursery					Repo	rt Date:	8/28/12	
		Sampled By:						Date An	alyzed:	08/21/12	
		Sample Date:	8/15/12		Date Extracted:		525_120821				
		Source Type:				7		ŀ	Analyst:	co	
		Sampler Phone:						Peer F	Review:	In	
							A	nalytical N	lethod:	525.2	
										Pesticides by 525 - Washington Sta	
CAS	COMPC	DUND	100	RESULTS	UNITS	PQL	MDL	MCL	COM	IENT	
EPA	Regulated										
1912-24-9	ATRAZI	NE		ND	ug/L		0.03				
122-34-9	SIMAZIN	IE III		ND	ug/L		0.03				



Burlington WA Corporate Office	Bellingha Microbiology
1620 S Walnut St - 98233	805 Orchard [
800.755.9295 • 360.757.1400	360.671.0688

lingham WA obiology

Orchard Dr Ste 4 - 98225 9150 SW Pioneer Ct Ste W- 97070 503.682.7802

Portland OR

Microbiology/Chemistry

Page 1 of 1

# SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name:		WADNR Enginee	ring Divisi	on			Reference N	umber:	12-14083
	1111 Washington Olympia, WA 98	Street SE 504				, F	Project:	Webster Nursery	
		Project::							00457
		Field ID:	SW-15				Lab N	umber:	32157
		Sample Description:	Nursery				Repor	t Date:	8/28/12
		Sampled By:					Date An	alyzed:	08/21/12
		Sample Date:	8/14/12				Date Ext	racted:	525_120821
		Source Type:					A	Analyst:	CO
		Sampler Phone:					Peer F	Review:	you
		1.1					Analytical M	lethod:	525.2
									Pesticides by 525 - Washington Sta
CAS	COMP	OUND		RESULTS	UNITS	PQL	MDL MCL	COM	MENT
EP/	A Regulate	d							
1912-24	-9 ATRAZ	INE		0.10	ug/L		0.03		
122-34-9	9 SIMAZI	INE		ND	ug/L		0.03		



Burling	gton WA
Corporat	e Office

Bellingham WA Microbiology

 1620 S Walnut St - 98233
 805 Orchard Dr Ste 4 - 98225

 800.755.9295 • 360.757.1400
 360.671.0688

Portland OR Microbiology/Chemistry

9150 SW Pioneer Ct Ste W- 97070 503.682.7802

Page 1 of 1

# SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Client Name	: WADNR Engineer	ring Division			Reference Number:	12-14083
	1111 Washington Olympia, WA 985	Street SE			Project:	Webster Nursery
	Project:: Field ID: Sample Description: Sampled By: Sample Date: Source Type: Sampler Phone:	SW-16 Nursery 8/14/12			Lab Number: Report Date: Date Analyzed: Date Extracted: Analyst: Peer Review; Analytical Method:	32158 8/28/12 08/21/12 525_120821 CO 525.2 Pesticides by 525 - Washington Sta
S COM	IPOUND	RESULTS	UNITS	PQL	MDL MCL COM	MENT

CAS	COMPOUND	RESULTS	UNITS	PQL	MDL	MCL	COMMENT	
EPA F	Regulated							
1912-24-9	ATRAZINE	ND	ug/L		0.03			
122-34-9	SIMAZINE	ND	ug/L		0.03			



Burlington WA
Corporate Office
1620 S Walnut St - 98233

800.755.9295 • 360.757.1400 360.671.0688

Bellingham WA Microbiology

Microbiology/Chemistry 805 Orchard Dr Ste 4 - 98225 9150 SW Pioneer Ct Ste W- 97070 503.682.7802

Portland OR

Page 1 of 1

# SYNTHETIC ORGANIC COMPOUNDS (SOC) REPORT

Clier	nt Name: WADNR Engineer	ina Division				Re	eference Nu	mber:	12-14083
	1111 Washington Olympia, WA 985	Street SE 04					Р	roject:	Webster Nursery
	Project::								
	Field ID:	SW-BFD					Lab Nu	Imber:	32159
	Sample Description:	Nursery					Report	Date:	8/28/12
	Sampled By:						Date Ana	lyzed:	08/21/12
	Sample Date:	8/14/12					Date Extr	acted:	525_120821
	Source Type:						A	nalyst:	CO
	Sampler Phone:						Peer R	eview:	VAL
						ŀ	Analytical M	ethod:	525.2
									Pesticides by 525 - Washington Sta
CAS	COMPOUND	R	ESULTS	UNITS	PQL	MDL	MCL	COMN	IENT
EPA R	legulated								
1912-24-9	ATRAZINE	N	ID	ug/L		0.03			
122-34-9	SIMAZINE	N	ID	ug/L		0.03			



 
 Burlington WA Corporate Office
 Bellingham WA Microbiology
 Portland OR Microbiology/Chemistry

 1620 S Walnut St - 98233 800.755.9295 • 360.757.1400
 805 Orchard Dr Ste 4 - 98225 360.671.0688
 9150 SW Pioneer Ct Ste W- 97070 503.682.7802

August 28, 2012

Page 1 of 1

# **Case Narrative**

Reference: 12-14083

Lab Sample ID	Sample Information	
32154	SW-10 - Nursery	
Analytical Method	Notes	Created by
525.2	A trace of atrazine is possibly present less than 0.03 ug/L.	со
	The sample was analyzed as the MS/MSD and verified the simazine reported in the sample.	



Client Name: WADNR Engineering Division

1111 Washington Street SE

Burlington WA	Bellingha
Corporate Office	Microbiology
1620 S Walnut St - 98233	805 Orchard E
800.755.9295 • 360.757.1400	360.671.0688

ngham WA iology

Portland OR Microbiology/Chemistry

9150 SW Pioneer Ct Ste W- 97070 rchard Dr Ste 4 - 98225 503.682.7802

WSDOE Lab C567

#### DATA REPORT

Page 1 of 1

Reference Number: 12-14083 Project: Webster Nursery

Report Date: 9/13/12 Date Analyzed: 8/21/12 Analyst: BCV Peer Review: Analytical Method: 508.1 Batch: PST\_120821

Olympia, WA 98504 Lab Number: 32159 Field ID: SW-BFD Sample Description: Nursery Matrix: Water Sample Date: 8/14/12 Extraction Date: 8/21/12 Extraction Method: 3535

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT	
 	an a									
72-54-8	4,4' - DDD	ND		ug/L	0.02	0.05	0.02	1.00		
72-55-9	4.4' - DDE	ND		ug/L	0.02	0.05	0.01	1.00		
50-29-3	4.4' - DDT	ND		ug/L	0.02	0.05	0.008	1.00		
309-00-2	ALDRIN	ND		ug/L	0.02	0.05	0.01	1.00		
319-84-6	BHC. ALPHA -	ND		ug/L	0.02	0.05	0.01	1.00		
319-85-7	BHC. BETA -	ND		ug/L	0.02	0.05	0.02	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.02	0.05	0.01	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.02	0.05	0.01	1.00		
5103-71-9	CHLORDANE, ALPHA	ND		ug/L	0.02	0.05	0.01	1.00		
5103-74-2	CHLORDANE, GAMMA	0.05		ug/L	0.02	0.05	0.009	1.00		
57-74-9	CHLORDANE (technical)	ND		ug/L	0.5	0.5	0.29	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.02	0.05	0.01	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.02	0.05	0.02	1.00		
33213-65-	ENDOSULFAN II	ND		ug/L	0.02	0.05	0.01	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.02	0.05	0.08	1.00		
72-20-8	ENDRIN	ND		ug/L	0.02	0.05	0.01	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.02	0.05	0.02	1.00		
53494-70-	ENDRIN KETONE	ND		ug/L	0.02	0.05	0.01	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.02	0.05	0.007	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	1.39		ug/L	0.02	0.05	0.02	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.02	0.05	0.04	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1.0	1.0	0.85	1.00		

#### Notes:

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 achieved 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: c608.rpt



Client Name: WADNR Engineering Division

1111 Washington Street SE

**Burlington WA** Corporate Office 1620 S Walnut St - 98233

800.755.9295 • 360.757.1400

Bellingham WA Microbiology

360.671.0688

Portland OR Microbiology/Chemistry

805 Orchard Dr Ste 4 - 98225 9150 SW Pioneer Ct Ste W- 97070 503.682.7802

WSDOE Lab C567

### DATA REPORT

Page 1 of 1

Reference Number: 12-14083 Project: Webster Nursery

Report Date: 9/13/12 Date Analyzed: 8/21/12 Analyst: BCV Peer Review: Analytical Method: 508.1 Batch: PST\_120821

Olympia, WA 98504 Lab Number: 32158 Field ID: SW-16 Sample Description: Nursery Matrix: Water Sample Date: 8/14/12 Extraction Date: 8/21/12 Extraction Method: 3535

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
					0.00	0.05	0.02	4.00	
72-54-8	4,4' - DDD	ND		ug/L	0.02	0.05	0.02	1.00	
72-55-9	4,4' - DDE	ND		ug/L	0.02	0.05	0.01	1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.02	0.05	0.008	1.00	
309-00-2	ALDRIN	ND		ug/L	0.02	0.05	0.01	1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.02	0.05	0.01	1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.02	0.05	0.02	1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.02	0.05	0.01	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.02	0.05	0.01	1.00	
5103-71-9	CHLORDANE, ALPHA	ND		ug/L	0.02	0.05	0.01	1.00	
5103-74-2	CHLORDANE, GAMMA	ND		ug/L	0.02	0.05	0.009	1.00	
57-74-9	CHLORDANE (technical)	ND		ug/L	0.5	0.5	0.29	1.00	
60-57-1	DIELDRIN	ND		ug/L	0.02	0.05	0.01	1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.02	0.05	0.02	1.00	
33213-65-	ENDOSULFAN II	ND		ug/L	0.02	0.05	0.01	1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.02	0.05	0.08	1.00	
72-20-8	ENDRIN	ND		ug/L	0.02	0.05	0.01	1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.02	0.05	0.02	1.00	
53494-70-	ENDRIN KETONE	ND		ug/L	0.02	0.05	0.01	1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.02	0.05	0.007	1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.02	0.05	0.02	1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.02	0.05	0.04	1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1.0	1.0	0.85	1.00	

#### Notes:

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 achieved 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: c608.rpt



Client Name: WADNR Engineering Division

Burlington WA Corporate Office	Be Micr
1620 S Walnut St - 98233	805

800.755.9295 • 360.757.1400 360.671.0688

ellingham WA

Portland OR Microbiology/Chemistry

Orchard Dr Ste 4 - 98225 9150 SW Pioneer Ct Ste W- 97070 671.0688 503.682.7802

WSDOE Lab C567

#### DATA REPORT

Page 1 of 1

Reference Number: 12-14083 Project: Webster Nursery

Report Date: 9/13/12 Date Analyzet: 8/21/12 Analyst: BCV Peer Review: Analytical Method: 508.1 Batch: PST\_120821

	1111 Washington Street SE Olympia, WA 98504
Lab Number:	32157
Field ID:	SW-15
Sample Description:	Nursery
Matrix:	Water
Sample Date:	8/14/12
Extraction Date:	8/21/12
Extraction Method:	3535

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
		and the second se							
72-54-8	4,4' - DDD	ND		ug/L	0.02	0.05	0.02	1.00	
72-55-9	4,4' - DDE	ND		ug/L.	0.02	0.05	0.01	1.00	
50-29-3	4,4' - DDT	ND		ug/L	0.02	0.05	0.008	1.00	
309-00-2	ALDRIN	ND		ug/L	0.02	0.05	0.01	1.00	
319-84-6	BHC, ALPHA -	ND		ug/L	0.02	0.05	0.01	1.00	
319-85-7	BHC, BETA -	ND		ug/L	0.02	0.05	0.02	1.00	
319-86-8	BHC, DELTA -	ND		ug/L	0.02	0.05	0.01	1.00	
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.02	0.05	0.01	1.00	
5103-71-9	CHLORDANE, ALPHA	ND		ug/L	0.02	0.05	0.01	1.00	
5103-74-2	CHLORDANE, GAMMA	ND		ug/L	0.02	0.05	0.009	1.00	
57-74-9	CHLORDANE (technical)	ND		ug/L	0.5	0.5	0.29	1.00	
60-57-1	DIELDRIN	ND		ug/L	0.02	0.05	0.01	1.00	
959-98-8	ENDOSULFAN I	ND		ug/L	0.02	0.05	0.02	1.00	
33213-65-	ENDOSULFAN II	ND		ug/L	0.02	0.05	0.01	1.00	
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.02	0.05	0.08	1.00	
72-20-8	ENDRIN	ND		ug/L	0.02	0.05	0.01	1.00	
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.02	0.05	0.02	1.00	
53494-70-	ENDRIN KETONE	ND		ug/L	0.02	0.05	0.01	1.00	
76-44-8	HEPTACHLOR	ND		ug/L	0.02	0.05	0.007	1.00	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.02	0.05	0.02	1.00	
72-43-5	METHOXYCHLOR	ND		ug/L	0.02	0.05	0.04	1.00	
8001-35-2	TOXAPHENE	ND		ug/L	1.0	1.0	0.85	1.00	

Notes:

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 achieved 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.



Burlington WA Corporate Office	Bellinghan Microbiology
1620 S Walnut St - 98233 800.755.9295 • 360.757.1400	805 Orchard Dr 360.671.0688

Portland OR m WA Microbiology/Chemistry

Ste 4 - 98225 9150 SW Pioneer Ct Ste W- 97070 503.682.7802

WSDOE Lab C567

		DATA REPORT		Page 1 of 1
Client Name:	WADNR Engineering Division 1111 Washington Street SE Olympia, WA 98504		Reference Number: Project:	12-14083 Webster Nursery
Lab Number:	32156		Report Date:	9/13/12
Field ID:	SW-14		Date Analyzed:	8/21/12
Sample Description:	Nurserv		Analyst:	BCV
Matrix:	Water		Peer Review:	
Sample Date:	8/15/12		Analytical Method:	508.1
Extraction Date:	8/21/12		Batch:	PST_120821
Extraction Method:	3535			

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT	<b>.</b>
72-54-8	4,4' - DDD	ND		ug/L	0.02	0.05	0.02	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.02	0.05	0.01	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.02	0.05	0.008	1.00		
309-00-2	ALDRIN	ND		ug/L	0.02	0.05	0.01	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.02	0.05	0.01	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.02	0.05	0.02	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.02	0.05	0.01	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.02	0.05	0.01	1.00		
5103-71-9	CHLORDANE, ALPHA	ND		ug/L	0.02	0.05	0.01	1.00		
5103-74-2	CHLORDANE, GAMMA	ND		ug/L	0.02	0.05	0.009	1.00		
57-74-9	CHLORDANE (technical)	ND		ug/L	0.5	0.5	0.29	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.02	0.05	0.01	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.02	0.05	0.02	1.00		
33213-65-	ENDOSULFAN II	ND		ug/L	0.02	0.05	0.01	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.02	0.05	0.08	1.00		
72-20-8	ENDRIN	ND		ug/L	0.02	0.05	0.01	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.02	0.05	0.02	1.00		
53494-70-	ENDRIN KETONE	ND		ug/L	0.02	0.05	0.01	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.02	0.05	0.007	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND		ug/L	0.02	0.05	0.02	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.02	0.05	0.04	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1.0	1.0	0.85	1.00		

Notes:

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 achieved 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: c608.rpt



Burlington WA Corporate Office	Bellinghal Microbiology
1620 S Walnut St - 98233 800 755 9295 • 360 757 1400	805 Orchard E 360 671 0688

Bellingham WA Microbiology

Portland OR Microbiology/Chemistry

805 Orchard Dr Ste 4 - 98225 9150 SW Pioneer Ct Ste W- 97070 503.682.7802

WSDOE Lab C567

#### DATA REPORT Page 1 of 1 Reference Number: 12-14083 Client Name: WADNR Engineering Division Project: Webster Nursery 1111 Washington Street SE Olympia, WA 98504 Report Date: 9/13/12 Lab Number: 32155 Date Analyzed: 8/21/12 Field ID: SW-11 Sample Description: Nursery Analyst: BCV Peer Review: Matrix: Water Analytical Method: 508.1 Sample Date: 8/13/12 Batch: PST\_120821 Extraction Date: 8/21/12 Extraction Method: 3535

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT	
72-54-8	4,4' - DDD	ND		ug/L	0.02	0.05	0.02	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.02	0.05	0.01	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.02	0.05	0.008	1.00		
309-00-2	ALDRIN	ND		ug/L	0.02	0.05	0.01	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.02	0.05	0.01	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.02	0.05	0.02	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.02	0.05	0.01	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.02	0.05	0.01	1.00		
5103-71-9	CHLORDANE, ALPHA	ND		ug/L	0.02	0.05	0.01	1.00		
5103-74-2	CHLORDANE, GAMMA	ND		ug/L	0.02	0.05	0.009	1.00		
57-74-9	CHLORDANE (technical)	ND		ug/L	0.5	0.5	0.29	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.02	0.05	0.01	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.02	0.05	0.02	1.00		
33213-65-	ENDOSULFAN II	ND		ug/L	0.02	0.05	0.01	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.02	0.05	0.08	1.00		
72-20-8	ENDRIN	ND		ug/L	0.02	0.05	0.01	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.02	0.05	0.02	1.00		
53494-70-	ENDRIN KETONE	ND		ug/L	0.02	0.05	0.01	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.02	0.05	0.007	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	1.43		ug/L	0.02	0.05	0.02	1.00	Field Dup: 1.44 ug/L	
72-43-5	METHOXYCHLOR	ND		ug/L	0.02	0.05	0.04	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1.0	1.0	0.85	1.00		

Notes:

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 achieved 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: c608.rpt



Extraction Method: 3535

Burlington WA Corporate Office	Bellingham WA
1620 S Walnut St - 98233 800.755.9295 • 360.757.1400	805 Orchard Dr Ste 4 - 360.671.0688

Portland OR Microbiology/Chemistry

98225 9150 SW Pioneer Ct Ste W- 97070 503.682.7802

WSDOE Lab C567

#### DATA REPORT Page 1 of 1 Reference Number: 12-14083 Client Name: WADNR Engineering Division Project: Webster Nursery 1111 Washington Street SE Olympia, WA 98504 Report Date: 9/13/12 Lab Number: 32154 Field ID: SW-10 Date Analyzed: 8/21/12 Analyst: BCV Sample Description: Nursery Peer Review: Matrix: Water Analytical Method: 508.1 Sample Date: 8/13/12 Batch: PST 120821 Extraction Date: 8/21/12

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT	
72-54-8	4,4' - DDD	ND		ug/L	0.02	0.05	0.02	1.00		
72-55-9	4,4' - DDE	ND		ug/L	0.02	0.05	0.01	1.00		
50-29-3	4,4' - DDT	ND		ug/L	0.02	0.05	0.008	1.00		
309-00-2	ALDRIN	ND		ug/L	0.02	0.05	0.01	1.00		
319-84-6	BHC, ALPHA -	ND		ug/L	0.02	0.05	0.01	1.00		
319-85-7	BHC, BETA -	ND		ug/L	0.02	0.05	0.02	1.00		
319-86-8	BHC, DELTA -	ND		ug/L	0.02	0.05	0.01	1.00		
58-89-9	LINDANE (BHC - GAMMA)	ND		ug/L	0.02	0.05	0.01	1.00		
5103-71-9	CHLORDANE, ALPHA	ND		ug/L	0.02	0.05	0.01	1.00		
5103-74-2	CHLORDANE, GAMMA	0.06		ug/L	0.02	0.05	0.009	1.00		
57-74-9	CHLORDANE (technical)	ND		ug/L	0.5	0.5	0.29	1.00		
60-57-1	DIELDRIN	ND		ug/L	0.02	0.05	0.01	1.00		
959-98-8	ENDOSULFAN I	ND		ug/L	0.02	0.05	0.02	1.00		
33213-65-	ENDOSULFAN II	ND		ug/L	0.02	0.05	0.01	1.00		
1031-07-8	ENDOSULFAN SULFATE	ND		ug/L	0.02	0.05	0.08	1.00		
72-20-8	ENDRIN	ND		ug/L	0.02	0.05	0.01	1.00		
7421-93-4	ENDRIN ALDEHYDE	ND		ug/L	0.02	0.05	0.02	1.00		
53494-70-	ENDRIN KETONE	ND		ug/L	0.02	0.05	0.01	1.00		
76-44-8	HEPTACHLOR	ND		ug/L	0.02	0.05	0.007	1.00		
1024-57-3	HEPTACHLOR EPOXIDE "B"	0.41		ug/L	0.02	0.05	0.02	1.00		
72-43-5	METHOXYCHLOR	ND		ug/L	0.02	0.05	0.04	1.00		
8001-35-2	TOXAPHENE	ND		ug/L	1.0	1.0	0.85	1.00		

#### Notes:

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 achieved 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.



Burlington WA Corporate Office	Bellingham WA Microbiology
1620 S Walnut St - 98233 800 755 9295 • 360 757 1400	805 Orchard Dr Ste 4 - 360.671.0688

Portland OR Microbiology/Chemistry

Dr Ste 4 - 98225 9150 SW Pioneer Ct Ste W- 97070 8 503.682.7802

WSDOE Lab C567

DATA REPORT Page 1 of 1 Reference Number: 12-14083 Client Name: WADNR Engineering Division 1111 Washington Street SE Project: Webster Nursery Olympia, WA 98504 Lab Number: 32153 Report Date: 9/13/12 Date Analyzed: 8/21/12 Field ID: SW-9 Analyst: BCV Sample Description: Nursery Peer Review: Matrix: Water Analytical Method: 508.1 Sample Date: 8/14/12 Batch: PST\_120821 Extraction Date: 8/21/12 Extraction Method: 3535

D.F. COMMENT PQL MRL MDL UNITS CAS Compound RESULT Flag 0.02 0.05 0.02 4,4' - DDD ND ug/L 1.00 72-54-8 ND 0.02 0.05 0.01 1.00 4,4' - DDE ug/L 72-55-9 0.02 0.05 0.008 1.00 4,4' - DDT ND ug/L 50-29-3 0.02 0.05 0.01 1.00 ND ALDRIN ug/L 309-00-2 0.02 0.05 0.01 1.00 ND 319-84-6 BHC, ALPHA ug/L 0.02 ND 0.02 0.05 1.00 BHC, BETA ug/L 319-85-7 0.01 0.02 0.05 1.00 BHC, DELTA -ND ug/L 319-86-8 0.02 0.05 0.01 LINDANE (BHC - GAMMA) ND ug/L 1.00 58-89-9 0.02 0.01 ND 0.05 1.00 5103-71-9 CHLORDANE, ALPHA ug/L 0.009 0.02 0.05 1.00 5103-74-2 CHLORDANE, GAMMA ND ug/L 0.5 0.5 0.29 1.00 CHLORDANE (technical) ND ug/L 57-74-9 0.02 0.05 0.01 1.00 DIELDRIN ND 60-57-1 ug/L 0.02 0.05 0.02 1.00 ND 959-98-8 ENDOSULFAN I ua/L ND 0.02 0.05 0.01 1.00 33213-65- ENDOSULFAN II ug/L ND 0.02 0.05 0.08 1.00 1031-07-8 ENDOSULFAN SULFATE uq/L 0.02 0.05 0.01 1.00 ND ENDRIN ug/L 72-20-8 0.02 **ENDRIN ALDEHYDE** ND 0.02 0.05 1.00 ug/L 7421-93-4 ND 0.02 0.05 0.01 1.00 ENDRIN KETONE 53494-70ug/L 0.02 0.05 0.007 HEPTACHLOR ND 1.00 ug/L 76-44-8 HEPTACHLOR EPOXIDE "B" 0.02 0.05 0.02 1.00 ND 1024-57-3 uo/L 0.02 0.05 0.04 1.00 ND 72-43-5 METHOXYCHLOR ug/L 8001-35-2 TOXAPHENE ND ug/L 1.0 1.0 0.85 1.00

Notes:

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 achieved 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.



	~		
-			1
		/-	
	X		-

## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Bellingham WA

805 Orchard Dr Ste 4 - 98225

Microbiology

360.671.0688

Portland OR Microbiology/Chemistry

9150 SW Pioneer Ct Ste W- 97070 503.682.7802

Burlington WA Corporate Office

1620 S Walnut St - 98233

800.755.9295 • 360.757.1400

Laboratory Fortified Blank

Reference Number: 12-14083 Report Date: 09/13/12

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits*	Qualifier Type*	Comment
525_120821	ATRAZINE	0.51	0.5	ug/L	525.2	102	70-130	LFB	
	SIMAZINE	0.49	0.5	ug/L	525.2	98	70-130		
PST_120821	4,4' - DDD	0.47	0.5	ug/L	508.1	94	70-130	LFB	
	4,4' - DDE	0.37	0.5	ug/L	508.1	74	70-130		
	4,4' - DDT	0.46	0.5	ug/L	508.1	92	70-130		
	ALDRIN	0.44	0.5	ug/L	508.1	88	70-130		
	BHC, ALPHA -	0.36	0.5	ug/L	508.1	72	70-130		
	BHC, BETA -	0.42	0.5	ug/L	508.1	84	70-130		
	BHC, DELTA -	0.47	0.5	ug/L	508.1	94	70-130		
	DIELDRIN	0.58	0.5	ug/L	508.1	116	70-130		
	ENDOSULFAN I	0.43	0.5	ug/L	508.1	86	70-130		
	ENDOSULFAN II	0.51	0.5	ug/L	508.1	102	70-130		
	ENDOSULFAN SULFATE	0.53	0.5	ug/L	508.1	106	70-130		
	ENDRIN	0.50	0.5	ug/L	508.1	100	70-130		
	ENDRIN ALDEHYDE	0.38	0.5	ug/L	508.1	76	70-130		
	HEPTACHLOR	0.53	0.5	ug/L	508.1	106	70-130		
	HEPTACHLOR EPOXIDE "B"	0.55	0.5	ug/L	508.1	110	70-130		
	LINDANE (BHC - GAMMA)	0.46	0.5	ug/L	508.1	92	70-130		
	METHOXYCHLOR	0.54	0.5	ug/L	508.1	108	70-130		

#### \*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.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

#### Page 1 of 4



Burlington WA Corporate Office	Bellingham WA	Portland OR Microbiology/Chemistry	
1620 S Walnut St - 98233 800.755.9295 • 360.757.1400	805 Orchard Dr Ste 4 - 98225 360.671.0688	9150 SW Pioneer Ct Ste W- 97070 503.682.7802	Page 2 of 4



## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Low Level Laboratory Fortified Blank

Reference Number: 12-14083 Report Date: 09/13/12

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits*	Qualifier Type*	Comment
525_120821	ATRAZINE	0.04	0.05	ug/L	525.2	80	50-150	LFBD	
	SIMAZINE	0.05	0.05	ug/L	525.2	100	50-150		

#### \*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.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



Burlington WA Corporate Office	Bellingham WA	Portland OR Microbiology/Chemistry
1620 S Walnut St - 98233 800.755.9295 • 360.757.1400	805 Orchard Dr Ste 4 - 98225 360.671.0688	9150 SW Pioneer Ct Ste W- 97070 503.682.7802

Page 3 of 4



## SAMPLE INDEPENDENT QUALITY CONTROL REPORT

#### Method Blank

Reference Number: 12-14083 Report Date: 09/13/12

			True			%		QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	Limits*	Qualifier Type*	Comment
525_120821	ATRAZINE	ND		ug/L	525.2		0.03000	MB	
	SIMAZINE	ND		ug/L	525.2		0.03000		
PST_120821	4,4' - DDD	ND		ug/L	508.1		0.00300	MB	
	4,4' - DDE	ND		ug/L	508.1		0.00300		
	4,4' - DDT	ND		ug/L	508.1		0.00300		
	ALDRIN	ND		ug/L	508.1		0.00300		
	BHC, ALPHA -	ND		ug/L	508.1		0.00300		
	BHC, BETA -	ND		ug/L	508.1		0.00300		
	BHC, DELTA -	ND		ug/L	508.1		0.00300		
	CHLORDANE (technical)	ND		ug/L	508.1		0.02000		
	DIELDRIN	ND		ug/L	508.1		0.00300		
	ENDOSULFAN I	ND		ug/L	508.1		0.00300	1	
	ENDOSULFAN II	ND		ug/L	508.1		0.00300		
	ENDOSULFAN SULFATE	ND		ug/L	508.1		0.00300	1	
	ENDRIN	ND		ug/L	508.1		0.00300	1	
	ENDRIN ALDEHYDE	ND		ug/L	508.1		0.00300		
	ENDRIN KETONE	ND		ug/L	508.1		0.00300	1	
	HEPTACHLOR	ND		ug/L	508.1		0.00300	)	
	HEPTACHLOR EPOXIDE "B"	ND		ug/L	508.1		0.00300		
	LINDANE (BHC - GAMMA)	ND		ug/L	508.1		0.00300	)	
	METHOXYCHLOR	ND		ug/L	508.1		0.00300	)	
	TOXAPHENE	ND		ug/L	508.1		0.05000	)	

#### \*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.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



A
-

# SAMPLE INDEPENDENT QUALITY CONTROL REPORT

**Quality Control Sample** 

Reference Number: 12-14083 Report Date: 09/13/12

			True			%		QC		
Batch	Analyte	Result	Value	Units	Method	Recove	ery Limits*	Qualifier Type*	Comment	
PST_120821	ALDRIN	1.81	2.01	ug/L	508.1	90	70-130	QCS		
	DIELDRIN	2.16	2.46	ug/L	508.1	88	70-130			
	ENDRIN	0.66	0.627	ug/L	508.1	105	70-130			
	HEPTACHLOR	1.99	1.92	ug/L	508.1	104	70-130			
	HEPTACHLOR EPOXIDE "B"	1.97	1.91	ug/L	508.1	103	70-130			
	LINDANE (BHC - GAMMA)	1.73	1.91	ug/L	508.1	91	70-130			
	METHOXYCHLOR	21.46	15.5	ug/L	508.1	138	70-130	E		

#### \*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.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

Page 4 of 4

Burlington WA Corporate Office Microbiology

 1620 S Walnut St - 98233
 805 Orchard Dr Ste 4 - 98225

 800.755.9295 • 360.757.1400
 360.671.0688

**Bellingham WA** 

9150 SW Pioneer Ct Ste W- 97070 503.682.7802

Portland OR

Microbiology/Chemistry

SAMPLE DEPENDENT Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report Resonance 37/3201       Resonance 37/3201         Duplicate       Duplicate       0	SAMPLE DEPENDENT       Sample Deplicate, Matrix Spike Duplicate and Confirmation Result Report       Reference Number: 32-100         Duplicate, Matrix Spike Duplicate and Confirmation Result Report       Report Deal: 01-200         Duplicate       Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report       Report Deal: 01-200         Duplicate       Duplicate       0<	SAMPLE DEPENDENT Duplicate, Matrix Spike/Matrix Spike/	SAMPLE DEPENDENT       Sample Renow Infimition Result Report       Reference Number: 12.         Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report       Report Des: 91.         Duplicate       000000000000000000000000000000000000	LABORATORIES					Page 1 of 2
DUDICACIE     Datase Datase     Datase Datase     Datase Datas     Datase Datas     Datase Datas     Datase Datas     Datase Datas     Datase Datas     Datase Datas     Datase Datas     Datase Datase     Datase Datase     Datase     Datase     Datase     Datase       R05 1 20021 1 1 1 1001     2015 BETACALOR EFOLDIDE 9     1,4     upl.     0,7     0,0     DUP       R05 1 20021     2015 BETACALOR EFOLDIDE 9     1,4     upl.     0,7     0,0     DUP       R05 1 20021     1,4     upl.     0,1     0,7     0,0     DUP       R05 1 20021     1,4     upl.     0,1     0,7     0,0     DUP       R05 1 20021     1,4     upl.     0,1     0,7     0,0     DUP       R05 1 20021     1,4     upl.     0,1     0,7     0,0     DUP       R05 1 20021     1,4     upl.     0,1     0,7     0,0     DUP       R05 1 20021     1,4     upl.     upl.     0,7     0,0     DUP       R05 1 20021     1,4     upl.     upl.     0,7     0,0     DUP       R05 1 20021     1,4     upl.     upl.     0,7     0,0     DUP       R05 1 20021     1,4     upl.     upl.     0,7     0,0	Unplicate     Date     Date <th>Underlicate       Define       Define<!--</th--><th>Until Cubic     Cubic<th>Duplicate, N</th><th>∕latrix Spike</th><th>SAMPLE QUALITY CC /Matrix Spike</th><th>DEPENDENT NTROL REPORT Duplicate and Confirmatio</th><th>in Result Report</th><th>Reference Number: 12-14083 Report Date: 9/13/201</th></th></th>	Underlicate       Define       Define </th <th>Until Cubic     Cubic<th>Duplicate, N</th><th>∕latrix Spike</th><th>SAMPLE QUALITY CC /Matrix Spike</th><th>DEPENDENT NTROL REPORT Duplicate and Confirmatio</th><th>in Result Report</th><th>Reference Number: 12-14083 Report Date: 9/13/201</th></th>	Until Cubic     Cubic <th>Duplicate, N</th> <th>∕latrix Spike</th> <th>SAMPLE QUALITY CC /Matrix Spike</th> <th>DEPENDENT NTROL REPORT Duplicate and Confirmatio</th> <th>in Result Report</th> <th>Reference Number: 12-14083 Report Date: 9/13/201</th>	Duplicate, N	∕latrix Spike	SAMPLE QUALITY CC /Matrix Spike	DEPENDENT NTROL REPORT Duplicate and Confirmatio	in Result Report	Reference Number: 12-14083 Report Date: 9/13/201
and         and who         out         part         up         oute         part         conce         part         par	att         made         deal         part         test         part         deal         deal         part         deal         part         deal         part         deal         part         deal         part         deal         part         deal         dea         deal         deal         d	atty         state Andra         teal         lead	using         many major         many	Duplicate		Duplicate		S	
25_170821 57_170821 3755 HEPTACHLOR EPOXDE 15 1.4 u.J. 0. D.D. 3756 HEPTACHLOR EPOXDE 15 1.4 u.J. 0. D.D. 3759 E atalite Parcent Difference 4X1 E forderes Parcent Difference	35.10021     315.6 HEPTACHLOR EPOXIDE '8'     1.4     upl.     0.7     0.30     DIP       315.6 HEPTACHLOR EPOXIDE '8'     1.4     upl.     upl.     0.7     0.30     DIP       2.0.1 Extended     1.40     upl.     1.4     upl.     upl.     upl.     upl.     upl.	35.120821     3136 HEPTACHOR EPOXIDE 19     1.4     upl.     0.7     0.0     DUP       37.120821     3156 HEPTACHOR EPOXIDE 19     1.4     1.4     upl.     0.7     0.0     DUP       37.120821     3159 HEPTACHOR EPOXIDE 19     1.4     1.4     upl.     0.7     0.0     DUP       40.1     0.0     1.4     upl.     0.1     0.1     0.0     DUP       40.1     0.0     1.4     upl.     0.1     0.1     0.0     DUP       40.1     0.0     1.4     upl.     0.1     0.1     0.0     DUP       40.1     0.0     1.4     upl.     0.0     0.0     DUP       40.1     0.0     1.4     upl.     0.0     0.0     DUP       40.1     0.0     0.0     0.0     0.0     DUP     DUP     0.0     DUP       40.1     0.0     0.0     0.0     0.0     DUP     0.0     DUP     DUP     0.0     DUP       40.1     0.0     0.0     0.0     0.0     DUP     DUP     0.0     DUP       40.1     0.0     0.0     0.0     0.0     DUP     DUP     DUP     DUP       40.1     0.0     0.0     0.0	35.10871     37.65     HEPTACHLOR EPOXOE 'B'     1,40     upl.     0.7     0.0     DIP       37.15     HEPTACHLOR EPOXOE 'B'     1,40     upl.     0.1     0.0     DIP       37.65     HEPTACHLOR EPOXOE 'B'     1,40     upl.     0.1     0.0     DIP       4.10     Table 'B'     1,40     upl.     0.0     0.0     DIP       4.10     Table 'B'     1,40     upl.     0.0     0.0     DIP       4.10     Table 'B'     1,40     upl.     0.0     0.0     DIP       4.10     Table 'B'     1,40     0.0     1,40     upl.     0.0       4.10     Table 'B'     1,40     0.0     1,40     1,40	atch Sample Analyte	Result	Result	Units	%RPD Limits Qualifier	Type Comments
SPD = Rative Peront Difference Art Ender SkiPP condit Difference Art Ender (MSM) analyses are used to determine the accuracy (MS) of a analytical method in a given sample metrix. Therefore, the usefulness of this report is funded to a metric SkiPP conditioned (MSD) analyses are used to determine the accuracy (MS) of a analytical method in a given sample metrix. Therefore, the usefulness of this report is funded to	GPD = Ratative Percent Difference der Endense Skycto and ond te 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 hithed to mits matrices accuracy dires and sections and the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix.	RPD = Relative Percent Difference 4.1 Enders SRPED conditions Served on the second of	KEDD = Ratative Percent Difference Ac = Indicates SREPD could not be calculated Ac = Indicates SREPD could not be calculated facts Sales (AREND sole of an extended and marking a subjects in the same availability into the subjects in (ARED) of a analytical method in a given sample marks. Therefore, the usefulness of the roport is fin and marking a subjects in the same availability.	25_120821 ST_120821 32155 HEPTACHLOR EPOXIDE "B"	1.43	1.44	ng/L	<b>0.7</b> 0-30	٩IJ
KED = Facilitie Percent Difference Me = Indeates KePD coud note calcusted Me = Indeates KePD coud note calcusted Me = Referent Difference Me = Reference (Me Sim KePD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample metrix. Therefore, the usefulness of this report is limited to a	KED = Reistre Percent Difference Main Schollen Schollensch Main Schollen Schollensch Main Schollenscher Schollensch Main Schollenscher Schollensch Main Schollenscher Schollensch Main Schollenscher Schollensch Main Schollenscher Schollensch	SRED = Relative Percent Note: The Indexes SRED could of the Could of the Station (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this and in transmission and included in a given sample matrix. Therefore, the usefulness of this contains and with containing the same set of the matrix.	SRPD = Relative Percent Difference Main Spire (MS) Maints Spire actoulated Maint Spire (MS) Maints Spire Dippiser (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefutness of this report is lim OV to Dividuate same with detections are listed in this report.						
RPD = Fatative Percent Difference Adris Spike (MSP) analyses are used to determine the accuracy (MS) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to t	6RPD = Relative Percent Differitos data Endicates %RPD ond indu be esticated data Splave (MSMatrix Splave Diplicate (MSD) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to the functions and und hother analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to built matrices and und hother and this some.	KPD = Ratitive Percent Difference data SkPD could not be calculated data SkPD could not be calculated data Skie Unsylvatur Soluke Duplicate (MSD) and yees are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulnees of this winits: matrices analyzed in the same analytical method.	KPD = Relative Percent Difference Are Indicates %RPD could not be calculated Matir Spire Depicted (RSD) 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 limi on to Distribute sample with elections are listed in this report.						
6RD = Relative Percent Difference 4A = Indicates %RPD could not be calculated 4A = Indicates %RPD could not be calculated faint Spike (MS)/Matrix Spike Dupicate (MSD) analyses are used to determine the accuracy (MS) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to a spike (MS)/Matrix Spike Dupicate (MSD) analyses are used to determine the accuracy (MS) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to a	GPD = Relative Percent Difference GRPD = Relative Percent Difference Ac = Indicates %RPD could not be calculated datix Shike (MS)Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to wind most on and that have one analytical in this non- wind muchan come out wind accome an index non-	6RD = Relative Percent Difference dA = Indicates %RPD could not be calculated datix Spike (MS)/Matrix Spike Duplicate (MSD) and yees are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this nullar matrices analyzed in the same analytical back.	6FPD = Relative Percent Difference dat = Indicates %RFPD could not be calculated dat = Indicates %RFPD could not be calculated indicative Solved for the same analytical bactor indicative Solved for the same analytical bactor. The protectes sample with referetors are and with a report is limit on the protectes sample with referetors are bactor.						
<ul> <li>KPD = Relative Percent Difference</li> <li>At = Indicates %RPD could not be calculated</li> <li>At = Indicates %RPD could not be calculated</li> <li>At 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 c</li> </ul>	&RPD = Relative Percent Difference A = Indicates %RPD could not be calculated dartix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to not number correct or and valencines are listed in this cont.	&RPD = Relative Percent Difference A = Indicates %RPD could not be calculated darix 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 such matrices conducted between an elevel to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this such matrices conducted between	KPD = Relative Percent Difference As Indicates %RPD could not be calculated dativ: Solike MSYMatrix Solike 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 limi similar matrices analyzed in the same analytical batch.			·			
<ul> <li>KRPD = Relative Percent Difference</li> <li>Val = Indicates %RPD could not be calculated</li> <li>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 s</li> </ul>	%PD = Relative Percent Difference VA = Indicates %RPD could not be calculated watrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to similar matrices analyzed in the same analytical bactu.	%RD = Relative Percent Difference Val = Indicates %RPD could not be calculated Vative Splice (MS)/Matrix Splice 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 similar matrices analyzed in the sample matrix.	%RD = Relative Percent Difference VA = 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 limit inflar matrices analyzed in the same analytical batch.						
<ul> <li>%RPD = Relative Percent Difference</li> <li>VA = Indicates %RPD could not be calculated</li> <li>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 s</li> </ul>	%RPD = Relative Percent Difference VA = Indicates %RPD could not be calculated VA = Indicates %RPD could not be calculated Varity 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 the invito draverynes and istand in this report.	%RPD = Relative Percent Difference Val = Indicates %RPD could not be calculated vatrix 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 and reactives are analytical batch.	%RPD = Relative Percent Difference VA = Indicates %RPD could not be calculated Matrix Spike (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 limi Dily Duplicate sample with detections are listed in this report.						
<ul> <li>KPD = Relative Percent Difference</li> <li>A = Indicates %RPD could not be calculated</li> <li>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 a labeled to a 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 a labeled matrix.</li> </ul>	&RPD = Relative Percent Difference Ad = Indicates &RPD could not be calculated Ad = Natrix 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 invincious normal with determine analytical in this report is limited to	&RPD = Relative Percent Difference A = 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 not no matrix of the sample matrix. Therefore, the usefulness of this not	KRPD = Relative Percent Difference A = 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 limit matrices analyzed in the same analytical to the usefulness of this report is limit on the case of the usefulness of this report is limit matrices analyzed in the tections are listed in this report.						
%RPD = Relative Percent Difference VA = 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 s	WHD = Relative Percent Unterence VA = Indicates %RPD could not be calculated 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 similar matrices analyzed in the same analytical batrix. Therefore, the usefulness of this report is limited to The invite the same analytical batrix.	KRPD = Relative Percent Difference VA = Indicates KRPD could not be calculated VA = Indicates KRPD could not be calculated Vatrix 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 similar matrices analyzed in the same analytical batch.	%RPD = Relative Percent Unterence VA = 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 limi matrices analyzed in the same analytical batch. Only Duplicate sample with detections are listed in this reported with sortice with control with an end of the active of the usefulness of this report is limit and the sample with detections are listed in this reported with control with control with control and the active of the usefulnes.						
NA = Indicates %RPD could not be carcurated 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 s	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 similar matrices analyzed in the same analytical batrix.	NA = Indicates %APD 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 I similar matrices analyzed in the same analytical batch.	NA = Indicates %RPD could not be carcutated 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 limit similar matrices analyzed in the same analytical batch.	%RPD = Relative Percent Difference					
	similar matrices analyzed in the same analytical batch. Anter mediacete commits with detertions are listed in this remort	similar matrices analyzed in the same analytical batch. Ant Durdicote commals with deterdine are listed in this remort	similar matrices analyzed in the same analytical batch. Only Duplicate sample with detections are listed in this report	NA = Indicates %RPD could not be calculated Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses a	are used to determi	ne the accuracy (MS) and	I precision (MSD) of a analytical method in a	given sample matrix. Therefore,	the usefulness of this report is limited to :

Report Date: 9/13/2012 Page 2 of 2 Reference Number: 12-14083

Qualifier Type Comments

g

LFM

LFM LFM

8

LFM LFM LFM LFM

CHANGE STREET

Matrix S	pike				Duplicat	Ð						
				Spike	Spike	Spike		Percent	Recovery			
Batch	Sample	Analyte	Result	Result	Result	Conc	Units	WS	MSD	Limits*	%RPD	Limits*
525 120821												
	32154	ATRAZINE	Q	0.53	0.56	0.5	ng/L	106	112	70-130	5.5	09-0
	32154	SIMAZINE	0.32	0.74	0.78	0.5	ng/L	84	92	70-130	9.1	09-0
PST 120821												
	32154	4,4' - DDD	Ð	0.48	0.47	0.5	ng/L	96	94	65-135	2.1	0-150
	32154	+ 4,4' - DDE	Q	0.37	0.36	0.5	ng/L	74	72	65-135	2.7	0-150
	32154	: 4,4' - DDT	Q	0.44	0.43	0.5	ng/L	88	86	65-135	2.3	0-150
	32154	I ALDRIN	Q	0.73	0.73	0.5	ng/L	146	146	65-135	0.0	0-150
	32154	I BHC, ALPHA -	Ð	0.47	0.48	0.5	ng/L	94	96	65-135	2.1	0-150
	32154	I BHC, BETA -	Ð	0.45	0.44	0.5	ng/L	06	88	65-135	2.2	0-150
	32154	H BHC, DELTA -	Q	0.48	0.48	0.5	ng/L	96	96	65-135	0.0	0-150
	32154	I LINDANE (BHC - GAMMA)	Q	0.48	0.48	0.5	ng/L	96	96	65-135	0.0	0-150
	32154	I CHLORDANE, ALPHA	QN	0.48	0.48	0.5	ng/L	96	96	65-135	0.0	0-150
	32154	I CHLORDANE, GAMMA	0.06	0.54	0.55	0.5	ng/L	96	98	65-135	2.1	0-150
	32154	I DIELDRIN	Q	0.52	0.54	0.5	ng/L	104	108	65-135	3.8	0-150
	32154	I ENDOSULFAN I	Q	0.44	0.44	0.5	ng/L	88	88	65-135	0.0	0-150
	32154	I ENDOSULFAN II	Q	0.54	0.55	0.5	ng/L	108	110	65-135	1.8	0-150
	32154	I ENDOSULFAN SULFATE	Q	0.57	0.57	0.5	ng/L	114	114	65-135	0.0	0-150
	32154	I ENDRIN	Q	0.54	0.54	0.5	ng/L	108	108	65-135	0.0	0-150
	32154	I ENDRIN ALDEHYDE	Q	0.46	0.48	0.5	ng/L	92	96	65-135	4.3	0-150
	32154	I HEPTACHLOR	Q	0.56	0.57	0.5	ng/L	112	114	65-135	1.8	0-150
	32154	HEPTACHLOR EPOXIDE "B"	0.41	0.84	0.86	0.5	ng/L	86	90	65-135	4.5	0-150
	32154	t METHOXYCHLOR	Ð	0.60	0.59	0.5	ng/L	120	118	65-135	1.7	0-150

LFM Γ LFM LFM Η LFM

LFM LFM

LFM

LFM LFM LFM

LFM

NA = Indicates %RPD could not be calculated %RPD = Relative Percent Difference

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

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.



Page 1 of 1

# **Qualifier Definitions**

Reference Number: 12-14083 Report Date: 09/13/12

Qualifier	Definition
CO	There is co-elution of a background compound, that could not be resolved at the amount fortified in the sample, result is biased high.
E	Indicates that the concentration exceeds the calibration range. Values which are outside the calibration curve are estimates only.
N1	See case narrative.

	Relinq	Sam	Sample	10	ŝ	00	7	67	6n	-44-1 -	\$	Ň	-		5. 4.3.2.1 En e Ch 8 8	Instru	Projec	Emailt	Phone	Attn:	City:	Ship A	Repon
	uished by	ole Receipt Requ	dby J Felo								Sw-11	SW-10	Sm-9	Field ID	e one line per sar specific in analys iny <u>List each me</u> leck off analyses t ich sample Loacti ter number of con	uctions	webster	john,feld	360.902	John Fel	Olympia	ddress: 1111 Wa	to: WADNR
	Date	uest (Must include FA	Les Pho								W	4	Nursery	Location	mple Location. sis requests. <u>stal individually</u> ( <i>NEW</i> ) to be performed for on. trainers.	C	Nursery	er@wadnr.gov	1158 FAX:	der	St: WA Zip:	shington Street SE	Engineering Division
	Time	X or Email	ne: 360-9										X	0.0	Tum Aro XStanc Half-1 Quicke		0		P	TU	98504 C	Q. A	633
1	Rece	K	4-20								H.	*	6	omp. M	lard ime (50 st (100%)		ard#	Visa	0#	none:	Š.	ddress:	II to
M	ived by	*	50				-			-	= 20	: 00	3	ample [	e Requi			IN I				V V	5
Ó		<ul><li>W - drinkin</li></ul>	AX:								12	1248	14 ~09	Date Tim	harge) Phone Call R all Req.)			¢ 🗆 /			10	ANIE	
		ig water										8	25	525(A	B trazine/Simazine 508 1 (DUP)			NE.	Attn:	-AX-	<sup>22</sup>	11	1
G		GW -										×		525(A	trazine/Simazine			Expires			Zip		
alat	Date	surface w Ground w	5 1001								X	X	X	525.2 (atraz	ine/simazine	Ana		j.					
Ĝ	Tim	ater ⁄ater	Email:							٥				only)	508.1	alyses		N			Che	Ref #	
C လ လ က	් ද	S - soil	shin, fe					Ó.								Reque	Other	RCRA /	Clean V	Safe Dri	ck Regu	5	32153 -
Imple te Imples r Iain of c	ıstody s	raste wa	dere													sted		CERCL	Vater Act	Inking W	latory P	-140	32159
mp eceived ustody	eals inta	iter O	dur-															VINTO		ater Act	rogram	28	Ì
C sati I intact & labels	act	ther	ma.g														L						
agree	K		T Val											Numb	er of Containers		Bellir	00F W	Burli 1	16	AN		
×X –		_  ≼	otal Con			м п.								Specia Condi	2		Igham, \		ngton, V .800.75	20 S. W	A EY		2
$\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i$		ň Z	tainers											al Instruc tions on F	001708		NA 982		VA 982 5.9295	alnut St.	THC 7		
		z	00							1 <sup>10</sup>				tions Receipt	бт <b>ше</b>		25 4		33		» E	\$** 	

Inservice       WORR Endingering Division       Image of the process of the proces of the process of the process of the process of the pr		s agree	ly & labels	of custod	Chain												
Instruction       WADRE Granding Divides       Bit of the second	<b>) (</b> ] [ ]		red intact	les receiv	Sampl		AN	¥1		Ĩ	7						
Revente       WADNE Engineering Division       Bitery       Providence       Prov		Isfactory	X C sat	dy seals i ب le temp	Custor	Time	Date	2		5	) ived by	Rece	Time	Date		uisned by	Reling
Reverte:       WADR Engineering Unitian       Reverte:       Reverte	Yes No N/A	2 2 2						-					!	1			
Reserve       WADRE Engineering Division       Bails       Anne       Ref Filte Division       Ref F			OL - oil Other	e water	N - waste soil	× × ×	inface wate round wate	<b>SW</b> - ց	l water	- water V - drinking	*	V X	or Emai	ust include FAX	equest (Mi	ole Receipt Re	Samp
Resette       WADRE Epignaring Division       Billing of Street SE       Billing	Containers 8	Total		Shar	ee ab	nail: 5	Eŋ			\$	71	hove	alla	Phone	i.	d by:	ample
Reperts       WADRR Engineering Outsion       Being of the second																	ā
Reports       WADNE Engineering Division       Interventing       First all second and ange of ange									Ő								8
Reportion       WADNR Engineering Duision       Bill III.       For the second provide of the se								D									CO CO
Repetite       WADNR Engineering Division       Prove       Standard       Ref #								D									M
Reportive       WADNR Engineering Division       Image: Converting on the sector of the secto								DÌ	đ								တ
Reportive       WADURE Engineering Division       and we wanted by an analysis       Analysis       For Lab Les Ont         Sip Addees:       1111 Washington Street SE       Address       Phone       Sig Address       Phone       For Lab Les Ont         Nam       John Felder       Phone       Phone       For Lab Les Ont       Ref#       For Lab Les Ont         Nam       John Felder       Phone       Phone       For Lab Les Ont       Ref#       Check Resultatory Program       Ref#       Site Drinkington Street SE         Phone       300.002-11/58       FAX:       Po 8 + Ann:       Check Resultatory Program       Site Drinkington Water Act       Ref#       Site Drinkington Street SE       Name       Site Drinkington Street SE         Phone       Webster Nursery       Caradit       Image: Street Se       Ropard / CERcL Andres       Site Drinkington Street Se       Site Street Se       Site Street Se       Site Street								Ď									, cm
Report Int       WADNR Engineering Division       Bits       For Lab Use Only         Sip Address       1111 Washington Street SE       Autores       Street Matter       For Lab Use Only         Sip Address       1111 Washington Street SE       Autores       Street Matter       For Lab Use Only         Attrin       John Felder       N/A Zir. 98504       Cip:       Street Matter       For Lab Use Only         Phone:       360,902/115B       FAX:       Pole:       Street Dinking Water Act       Cleack Resulation Program       For Lab Use Only         Prove:       360,902/115B       FAX:       Pole:       Altr:       Expres       Cleack Resulation Program       For Lab Use Only         Prove:       360,902/115B       FAX:       Pole:       Altr:       Expres       Cleack Resulation Program       For Lab Use Only         Prove:       John Helder@wadm: gov       Caater       Altr:       Expres       Altr:       Cleack Resulation Program       For Lab Use Only         1       Use one line per sample Location       Tim Around Time Required       Altr:       Nam Altr:       Bits Program       For Street Sample Only         3       Superior       Location       Clear Sample Clear Sample Only       Standard       Standard       Con Soft         2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>D</td> <td>×</td> <td></td> <td></td> <td>(Ł</td> <td>(<del>C</del></td> <td></td> <td>∫≮</td> <td></td> <td>いいしてい</td> <td>4</td>							D	×			(Ł	( <del>C</del>		∫≮		いいしてい	4
Reportive WAONR Engineering Division       reprint the spin advess of the spin adv						Ċ			X							SW-16	ω
Report to: WADNR Engineening Division       None: Provide on unpoled on upperdon upperdon unpoled on upperdon uppe								D						-		SW-15	2
Report to: WADNR Engineering Division       Integration of the second of the s									X		'ŝ	9		Junsery	1	SW-14	
Reportive       WADNR Engineering Division       Bill to:       Address       Fir Lab Use Only       For Lab Use Only         Shp Address       1111 Washington Street SE       Address       Address       Address       For Lab Use Only       Ref #	Special Instructions Conditions on Receipt	Numb					525(/ only)	525(/ only)	525(/ only)	ate Tim	lample D	Grab/ S Comp. N		Location		Field ID	
Report to:       WADNR Engineering Division       Bill to:       For Lab Use Only         Ship Address:       1111 Washington Street SE       Address       Address       For Lab Use Only         Ship Address:       1111 Washington Street SE       Address       Address       For Lab Use Only         Ship Address:       1111 Washington Street SE       Address       Address       For Lab Use Only         Ship Address:       1111 Washington Street SE       Address       Address       For Lab Use Only         Ship Address:       1111 Washington Street SE       Address       Address       For Lab Use Only         Ship Address:       1111 Washington Street SE       Address       Tab Use Only       Ref #         Ship Address:       Phone:       FAX:       Tab:       Safe Drinking Water Act       Iso R A t o R t is         Project       Webster: Nursery       Card#       NMC       AE       Expires       Net of R t is         Iso: 75.9295       1800.755.9295       1800.755.9295       1800.755.9255       805 W. Orchard Dr. Suite 4       Bellingham, WA 98225         Shingham, WA 98225       Analyses Requested       So S was a street s	CO015561	per of Containers					Atrazine/Simazine 508.1 (MS/MSD)	Atrazine/Simazine 508.1 (DUP)	Atrazine/Simazine 508.1	red large) Phone Call R Il Req.)	ne Requi 3% surct surcharge) (Phone Ca	ound Tin ndard F-time (50 kest (100% ergency	X Sta Quic Em	cation. ests. i <mark>vidually_</mark> ( <i>NEW</i> ) iformed for	sample Loc metal indi es to be pe action. containers.	e one line per specific in ana in List each ieck off analyse ach sample Loa ter number of o	5.4.3.2.1 5.4.3.8 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6 5.6
Report to:       WADNR Engineering Division       Bill to:       For Lab Use Only         Ship Address:       1111 Washington Street SE       Address       Address       For Lab Use Only         City:       Olympia       St:       WADNR Engineering Division       Bill to:       For Lab Use Only         City:       Olympia       St:       WADNR Engineering Division       Bill to:       For Lab Use Only         City:       Olympia       St:       WADNR Engineering Division       Bill to:       For Lab Use Only         City:       Olympia       St:       WADNR Engineering Division       Bill to:       For Lab Use Only         City:       Olympia       St:       Address       Tab:       Check Regulatory Program         Attn:       Project       Project       Project       Project       Project       Nac       Attn:       Clean Water Act       1620 S. Walnut St.         Builington, WA 98223       1800.755.9295       1800.755.9295       1800.755.9295       1800.755.9295       805 W. Orchard Dr. Suite 4         Bellingham, WA 98225       Weister All       Stillingham, WA 98225       805 W. Orchard St.       805 W. Orchard St.	·			ď	∍queste	yses Re	Anal			2						uctions	Instr
Report Id:       WADNR Engineering Division       Bill to:       For Lab Use Only       For Lab Use Only         Ship Address:       1111 Washington Street SE       Address       Address       Address       For Lab Use Only         City:       Olympia       st:       WA Zip:       98504       City:       St:       Zip:       Check Regulatory Program         Attn:       John Felder       Phone:       FAX:       FAX:       Check Regulatory Program       L A B 0 R A T 0 R I E s         Phone:       360: 902-1158 FAX:       P.O. #:       Attn:       Clean Water Act       1620 S. Wainut St.         Email:       John felder@wadnr.gov       Visa       M/C       A/E       Expires       I       X RCRA / CERCLA/WTZ/F       Burlington, WA 98233         1800.755.9295       1800.755.9295       1800.755.9295       1800.755.9295       1800.755.9295	rchard Dr. Suite 4 าm, WA 98225	805 W. Or Bellingh:			her	0						Card#		Ŷ	ster Nurser	t Webs	Projec
Report to:     WADNR Engineering Division     Bill to:     For Lab Use Only       Ship Address:     1111 Washington Street SE     Address     Address     For Lab Use Only       City:     Olympia     St.     WA Zip:     98504     City:     St.     Zip:     Check Regulatory Program       Attn:     John Felder     Phone:     FAX:     FAX:     Pio.#:     Attn:     Clean Water Act     1800 x To RTES       1 NO 055 0005     Pio.#:     Attn:     Clean Water Act     1800 755 0005     1800 755 0005		=	ZIA	RCLA/NT	DRA/CEI	X RC	1	spires	VE		MAC	Visa		idnr;gov	elder@wa	john.h	Email:
Report to:     WADNR Engineering Division     Bill to:     For Lab Use Only       Ship Address:     1111 Washington Street SE     Address       City:     Olympia     St.       John Felder     Phone:       Fax:     Safe Drinking Water Act       1620 S. Walnut St.	on, WA 98233 n 755 9295	. Burlingto		Ir Act	ean Wate	0	(a.		Vitin:			P.0.#		PAX:	02-1158 F	360.9	Phone
Report to:     WADNR Engineering Division     Bill to:     Address     For Lab Use Only       Ship Address:     1111 Washington Street SE     Address     Address     For Lab Use Only       City:     Olympia     st.     WA Zip:     98504     City:	S. Walnut St.	1620 \$	Act	ng Water /	ufe Drinkin	Se		N 19	AX:			Phone:			Felder	John	Attn:
Report to:     WADNR Engineering Division     Bill to:     Address     For Lab Use Only       Ship Address:     1111 Washington Street SE     Address     Address     Ref #	<b>THCAL</b>	ANAI	B	W Progra	Regulato	Check		Zipi	3E	Č0.		City:	)8504	t WAZp: 9	pia s	Olymp	City:
	いう	Ŋ			or Lap Us	Ref #				SA	S	Address:	A	on Street SE	Washingto	vidress: 1111	Ship /
	15561									10000 04					i l otre		0
	le of	Pa											7	4074	voler		

FORM: COC 01-06-2009



1515 80th St. E. Tacoma, WA 98404 (253) 531-3121

#### August 21, 2012

Washington State Department of Natural Resources 1111 Washington Street Olympia, WA 98504-7030 Attn: John Felder

#### Dear Sir:

Results of analysis of four water samples taken by you and received on 08-14-12 at 3:05 p.m. are as follows:

		<u>Sample Ide</u>	<u>ntification</u>	
Tests	SW-10 8-13-12 <u>1745</u>	SW-11 8-13-12 <u>1545</u>	SW-9 8-14-12 <u>0930</u>	SW-16 8-14-12 <u>1105</u>
Nitrate Nitrogen (mg/L)	< <mark>0.2*</mark>	0.3	0.7	0.4
Total Organic Carbon (mg/L)	3.8	0.7	0.5	0.4
Sulfate (mg/L)	3	1	10	< 1*
Sulfide (mg/L)	< 0.1*	< 0.1*	< 0.1*	< 0.1*

\* < is less than

Lab Number: 08944380

Samples were analyzed according to <u>Standard Methods for the Examination of Water</u> and Wastewater, <u>20<sup>th</sup> Edition</u> and <u>EPA Method 300.0</u>, <u>Determination of Inorganic</u> <u>Anions in Water by Ion Chromatography</u>. Washington State Department of Natural Resources August 21, 2012 Page 2

Chain of custody record is enclosed.

Sincerely,

An C

Ricardo Lezama

Ricardo Lezama Chemist

RL:aml enclosure

R:\WASH\DEPTOFNATURALRESOURCES8-14

DY	LAB USE PRESERVED	VES	SEAL	XES		YES	ON	DEPARTMENTS	BACT	INORIGY	ORE	1000	TIME: 1504		TIME: 3:052m.		
<pre>************************************</pre>	TEST REQUESTED	satestics 2015 201 201 201	XXXX	× × × ×	x x x x	XXXX						HED BY: John Helder	DATE: 8-14-12 1	BY JAME Hake h	DATE: 8-14-12 ח		
	SAMPLE IDENTIFICATION		SW-10	SW-IL	SW-9	SW-16							sources	4-7030 RECEIVED I	1.1.1	REJECT REASON:	
RATORIES, INC. OMA, WA 98404 ( (253) 531-5287	TAKEN BY (NAME)		J.Felder			~						In Felder	of Natural Res	1414.9850	🦉 Fax: ( 👘 )		Appesult
LABO T, TAC( FAX	TIME TAKEN		1745	1545	0930	Soll						Toh	AD	n Blo	2-115		
EMENT ET EAS	DATE TAKEN		8-13	8-13	8-14	8-14							ame:	Olugar	0-90		
AANAGI H STREI (253) 53	e of Aple	ASTE APPEND										EPORT TC	ompany N	ddress:	Tone: 36	-	
TER N 15 80T HONE	TYP SAN	ЯЭТАМ	×	×	×	×							Ŭ	ې ۵	đ		
WA 151 PF		# OF CONTRINERS	00	m	3	3						DTAL	Ъ	AINER	Å.	3KS:	
	LAB	# ƏTAWYS	ţ.	2	e	4	-u	9	7	œ	6	Ĕ	#	CONT		REMAF	