

PO Box 2999, CH1L28 Tacoma, Washington 98477-2999 Ship to: 33663 Weyerhaeuser Way S Federal Way, Washington 98003 Tel (253) 924-2729 Fax (253) 924-2013 E-mail: shari.brown@weyerhaeuser.com

October 11, 1999

Ms. Judy Aitken Northwest Regional Office Department of Ecology 3190 160<sup>th</sup> Avenue SE Bellevue, WA 98008-5452

Re: Weyerhaeuser Everett West Site - 1999 Annual Evaluation including Fourteenth Round Compliance Ground Water Monitoring Data

Dear Ms. Aitken:

Enclosed are two copies of the report titled "1999 Annual Evaluation including Fourteenth Round Compliance Monitoring Ground Water Sampling Results - Weyerhaeuser Everett West Site" and a computer floppy disk containing sample results.

This data is being submitted according to the terms and schedule outlined in the Consent Decree between Ecology and Weyerhaeuser. Compliance ground water monitoring at the Everett West Site began in January 1995. The sampling and analytical methods, data evaluation, and report format were performed according to methods specified in the Ecology-approved Ground Water Compliance Monitoring Plan for Weyerhaeuser Everett West Site (March 2, 1995).

Weyerhaeuser has completed the groundwater monitoring schedule as specified in the Groundwater Compliance Monitoring Plan. During the five year monitoring schedule, all of the samples collected had concentrations below the TPH-D and dissolved arsenic cleanup levels as specified in the Consent Decree. Based on these results, Weyerhaeuser requests amending the Consent Decree, per the Groundwater Compliance Monitoring Plan, to discontinue groundwater compliance monitoring at the Everett West Site.

Should you require further information or would like to discuss our request to discontinue groundwater monitoring at this site, please contact me at (253) 924-2729.

Sincerely, Juan from

Shari Brown Associate Environmental Manager

Enclosures: "1999 Annual Evaluation including Fourteenth Round Compliance Monitoring Ground Water Sampling Results - Weyerhaeuser Everett West Site" (2 copies) and computer floppy disk containing sample results.

> Glen Wyatt WTC2G2 - Floppy disk without result data Mike Elmer - NWPE – Result data without floppy disk

cc:

# 1999 ANNUAL EVALUATION INCLUDING FOURTEENTH ROUND COMPLIANCE MONITORING GROUNDWATER SAMPLING RESULTS -WEYERHAEUSER EVERETT WEST SITE

This report summarizes the 1999 annual results and the fourteenth round sampling event (August 1999) for compliance monitoring groundwater sampling activities performed at the Weyerhaeuser Everett West Site (West Site), at 101 East Marine View Drive in Everett, Washington.

# QUARTERLY SAMPLING ACTIVITIES (FOURTEENTH ROUND)

IT Corporation (formerly EMCON) collected groundwater samples from six West Site monitoring wells (MW-1201, MW-1202, MW-1203, MW-1301, MW-1302, and MW-1501) during this fourteenth round sampling event. All samples were collected on August 5, 1999. One field duplicate sample was collected from monitoring well MW-1202 and designated 90804WSG-1902. One field blank was prepared and designated 90804WSG-1901. The samples were submitted to Weyerhaeuser Analytical Testing Services (WATS) for analyses. A site map including the six groundwater monitoring well locations is shown in Figure 1.

Monitoring well MW-1701 was inadvertently abandoned on February 13, 1998. The Washington State Department of Ecology (Ecology) was notified, and Weyerhaeuser agreed to perform additional assessment if elevated concentrations of total petroleum hydrocarbons as diesel (TPH-D) and as heavy oil (TPH-O) were observed in MW-1202 located downgradient of the former location of MW-1701.

# QUARTERLY LABORATORY ANALYSES

Six groundwater samples, one field duplicate, and one field blank were analyzed for TPH-D and TPH-O by Ecology Method WTPH-D extended and for dissolved arsenic by U.S. Environmental Protection Agency Method 200.9. The dissolved arsenic samples were filtered in the field prior to laboratory submittal.

Weyerhaeuser field sampling data sheets were completed at the time of sampling. Copies of the field sampling data sheets, chain-of-custody and request for analyses forms, and laboratory reports are included as attachments. Also included is one diskette with data files for submittal to Ecology.

## QUARTERLY LABORATORY RESULTS

Table 1 shows the depth to water measurements taken from each well before sampling. Table 2 summarizes the groundwater quality field parameters obtained at the time of sampling. Table 3 summarizes the laboratory results in the GIS/Key<sup>™</sup> format.

TPH-D was reported in all of the groundwater samples, including the duplicate and the field blank, at concentrations ranging from 0.34 to 0.56 milligrams per liter (mg/L). TPH-O was not detected at or above the method reporting limit (MRL) in any of the groundwater samples. Dissolved arsenic was reported in three samples at concentrations ranging from 5 to 32 micrograms per liter ( $\mu$ g/L).

IT Corporation performed data validation on the WATS laboratory data. A copy of the data validation report is attached at the back of this report.

A decrease in TPH-O and arsenic concentrations were noted in the laboratory results for the fourteenth round of compliance groundwater monitoring. The elevated TPH-D concentrations in all of the groundwater samples are estimated due to the elevated concentration in the field blank.

#### ANNUAL EVALUATION

Time-trend plots for TPH-D, TPH-O, and dissolved arsenic concentrations reported for groundwater samples from West Site monitoring wells are presented on Figures 2, 3, and 4, respectively. Time-trend plots for West Site groundwater elevations are presented on Figure 5.

The 1999 West Site compliance groundwater monitoring results were evaluated and the highest values for each parameter were compared to site historic reference values identified in the Consent Decree. During the 1999 monitoring period, TPH-D, TPH-O, and dissolved arsenic concentrations did not exceed the parameter-specific reference values by a factor of five. In general, detections during the 1999 sampling event were consistent with data associated with past groundwater monitoring results at the West Site. The elevated TPH-D concentrations in all of the groundwater samples were likely due to contaminant crossover occurring in the field or laboratory.

Weyerhaeuser has completed the groundwater monitoring schedule as specified in the Groundwater Compliance Monitoring Plan. None of the TPH-D or dissolved arsenic concentrations in samples collected during the five-year monitoring schedule exceeded cleanup levels as specified in the Weyerhaeuser Consent Decree. Based on these results, we recommend discussions with Ecology to amend the Consent Decree per the Groundwater Compliance Monitoring Plan and that no further groundwater compliance monitoring be performed.

This report was prepared by IT Corporation. For additional information, contact IT Corporation at (425) 485-5000.

arlichfor Michelle Macias

Project Geologist

Ne

Steve Nelson, R.G. Senior Project Hydrogeologist

Attachments:	Limitations	
/ reactinicities.	Figure 1 -	Site Map and Monitoring Well Locations
		TPH-D Concentrations
		TPH-O Concentrations
	Figure 4 -	Dissolved Arsenic Concentrations
	Figure 5 -	Groundwater Elevations
	Table 1 -	Depth to Groundwater Measurements
	Table 2 -	Summary of Groundwater Field Parameters
	Table 3 -	August 1999 Sample Results
	Table 4 -	August 1999 Field Blank Sample Results
	Attachment A -	Field Sampling Data Sheets, Chain-of-Custody and
		Request for Analyses Forms, Laboratory Reports, and
		Data Validation Report
	Diskette -	Data Files for Submittal to Ecology

# LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.



WEYERHAEUSER EVERETT WEST SITE GROUNDWATER COMPLIANCE MONITORING **TPH-D CONCENTRATIONS** 1 0.9 0.8 0.7 -MW-1202 0.6 -X-MW-1301 TPH-D (mg/L) -\*-MW-1302 0.5 0.4 0.3 MRL = 0.20 mg/Lfor 1999. 0.2 MRL = 0.08 mg/L0.1 0 Feb-94 Feb-99 Feb-00 Feb-95 Feb-96 Feb-97 Feb-98 Date

**FIGURE 2** 

Note: MRL = Method reporting limit

FIGURE 3 WEYERHAEUSER EVERETT WEST SITE GROUNDWATER COMPLIANCE MONITORING TPH-O CONCENTRATIONS



Note: MRL = Method reporting limit

**FIGURE 4** 

WEYERHAEUSER EVERETT WEST SITE GROUNDWATER COMPLIANCE MONITORING DISSOLVED ARSENIC CONCENTRATIONS



Note: MRL = Method reporting limit



Date

9/23/99

# Table 1 Depth to Groundwater Measurements Weyerhaeuser Everett West Site August 5, 1999

Well Number	Date Collected	Time	Depth to Water (feet)
MW-1201	08/05/99	1325	12.63
MW-1202	08/05/99	NM	NM
MW-1203	08/05/99	1150	6.37
MW-1301	08/05/99	1500	6.41
MW-1302	08/05/99	1535	6.22
MW-1501	08/05/99	1404	4.98

# Table 2

# Summary of Groundwater Field Parameters Weyerhaeuser Everett West Site August 5, 1999

Monitoring Well	Sample Designation	Date Collected	Time	pH	Conductivity (µmhos)	Temperature (°C)	Dissolved Oxygen (mg/L)
MW-1201	90804WSG-1201	08/05/99	1400	7.03	573	13.7	1.02
MW-1202	90804WSG-1202	08/05/99	1310	6.79	495	15.9	1.57
MW-1203	90804WSG-1203	08/05/99	1225	6.65	655	18.7	1.09
MW-1301	90804WSG-1301	08/05/99	1530	6.70	314	15.5	1.08
MW-1302	90804WSG-1302	08/05/99	1400	6.54	1,360	16.7	1.13
MW-1501	90804WSG-1501	08/05/99	1430	6.67	440	18.3	1.03
Field Dup. <sup>a</sup>	90804WSG-1902	08/05/99	1045	6.79	495	15.9	1.57
a Duplicate of M	W-1202.						

#### Table 3 August 1999 Sample Results Weyerhaeuser Everett West Site

SITE	DATE	RESULT TYPE	TPH (as diesel) (mg/l)	TPH (as motor oil) (mg/l)	Dissolved Arsenic (mg/l)	
MW-1201	08/05/99	Prim	0.36 J	<0.20	< 0.003	
MW-1202	08/05/99	Prim	0.51 J	<0.20	< 0.003	
MW-1202	08/05/99	Dup 1	0.49 J	<0.20	< 0.003	
MW-1203	08/05/99	Prim	0.39 J	<0.20	0.005	
MW-1301	08/05/99	Prim	0.37 J	<0.20	0.032	
MW-1302	08/05/99	Prim	0.56 J	<0.20	<0.003	
MW-1501	08/05/99	Prim	0.44 J	< 0.20	0.019	

mg/l = milligrams per liter; TPH = total petroluem hydrocarbons J = estimated value due to field blank contamination

Values represent total concentrations unless noted <= Not detected at indicated reporting limit --- = Not analyzed

#### Table 4

Page: 1A of 1A Date: 09/24/99

#### August 1999 Field Blank Sample; TPH Results Weyerhaeuser Everett West Site

SAMPLING EVENT: 99-WEST (08/01/99 to 08/30/99)

SAMPLE TYPE: Water TCL ID: WEST-ALL

PF CODE: Total

e Torinto - James Same and James Torinto - A	SAMPLE INFORMATION	FIELD BLANK 1	6		
	CASE ID	1770			
	BLANK ID	FIELD			
	FIELD SAMPLE ID	90804-WSG-1901		1 1 1 kg	
	LAB SAMPLE ID	99-1770-008			
COMPOUNDS		(mg/l)			
TPH (as diesel)	1	0.34			
TPH (as motor oil)		<0.20			
	anay/a Bi				
< = Not detected at ind	icated reporting limit				Travel Blank = Custody In

Travel Blank = Custody Id Method Blank = Batch No Lab Blank = Batch No

#### Table 4

#### Page: 1A of 1A Date: 09/24/99

#### August 1999 Field Blank Sample; Dissolved Arsenic Results Weyerhaeuser Everett West Site

# SAMPLING EVENT:99-WEST (08/01/99 to 08/30/99)SAMPLE TYPE:WaterTCL ID:WEST-ASPF CODE:TotalLAB ID:WEYCO

	SAMPLE INFORMATION	FIELD BLANK 1		-
	CASE ID	1770		1
	BLANK ID	FIELD		and the second second second
	FIELD SAMPLE ID	90804-WGD-1901	1	
	LAB SAMPLE ID	99-0852-008		
COMPOUNDS		(mg/l)		

Arsenic

< 0.003

< = Not detected at indicated reporting limit

BLANK ID: Field Blank = Field Blank Id Rinsate Blank = SDG No Travel Blank = Custody Id Method Blank = Batch No Lab Blank = Batch No

# ATTACHMENT A

FIELD SAMPLING DATA SHEETS, CHAIN-OF-CUSTODY AND REQUEST FOR ANALYSES FORMS, LABORATORY REPORTS, AND DATA VALIDATION REPORT

# DATA VALIDATION REPORT WEYERHAEUSER EVERETT WEST SITE FOURTEENTH ROUND GROUNDWATER COMPLIANCE MONITORING AUGUST 1999

#### DATA QUALIFICATIONS

The following report summarizes the Weyerhaeuser Everett West Site data validation review for six groundwater samples, plus one field duplicate and one field blank, collected on August 5, 1999. Samples were analyzed by Weyerhaeuser Analytical and Testing Services in Tacoma, Washington and reported under service request number 99-1770. All of the groundwater samples were analyzed for dissolved arsenic and total petroleum hydrocarbons as diesel (TPH-D) and as heavy oil (TPH-O). Data validation was conducted following procedures specified in the Compliance Monitoring Plan. Samples were generally labeled as directed by Weyerhaeuser, except the monitoring well designation was omitted and the sample labels indicate that the samples were collected on August 4, 1999 instead of August 5, 1999 (e.g., the sample from monitoring well MW-1201 was labeled "90804WSG-1201" instead of "90805WSGMW-1201"). The field duplicate sample, collected from well MW-1202, was labeled "90804WSG-1902." The field blank sample was labeled "90804WSG -1901."

#### HOLDING TIMES

All arsenic and TPH analyses were conducted within holding time limits.

#### METHOD BLANKS AND FIELD BLANKS

TPH and dissolved arsenic were not detected at or above the method reporting limit (MRL) in the laboratory method blank. TPH-O and dissolved arsenic were not detected at or above the MRL in the field blank. TPH-D was detected in the field blank at a concentration of 0.34 milligrams per liter (mg/L). TPH-D was also detected in all the groundwater samples at concentrations ranging from 0.37 to 0.56 mg/L. Based on USEPA guidelines, an estimated (J) qualifier was added to all of the TPH-D groundwater results for the August 5, 1999 sampling results based on field blank contamination.

# SURROGATE RECOVERY

All of the surrogate recoveries reported for the TPH analyses were within QC criteria.

#### DUPLICATE RESULTS

A field duplicate sample was collected from MW-1202 (90804WSG-1202 and 90804WSG-1902). Results were within QC criteria.

Laboratory duplicate analysis of dissolved arsenic was within USEPA guidelines.

# **OVERALL ASSESSMENT OF DATA**

All requested analyses were conducted and the data are 100 percent complete. Estimated (J) qualifiers were added to all TPH-D sample results based on field blank results. The data are judged to be acceptable for their intended use with the qualification.



September 1, 1999

32901 Weyerhaeuser Way South Federal Way WA 98003 Tel (253) 924-6872 Fax (253) 924-6654

Ms. Kelly Rankich EMCON 18912 North Creek Parkway, Suite 100 Bothell, WA 98011

Dear Kelly:

Please find attached a copy of our final report for the samples you requested we analyze for Everett West Site. These are from our service request number 99-1770. These results were sent to you via E-Mail this afternoon. Invoicing for this work will be directly to Weyerhaeuser. If you have any questions concerning this report, please feel free to contact me at (253) 924-6242.

Thank you for using our laboratory for this analysis and we look forward to working with you on future projects.

Sincerely,

Dennis Catalano, Project Manager Weyerhaeuser Analytical and Testing Services

Attachments

SR Title Number of Samples		verett West Site wa	ter	samples 4	0141-090.001	(9)
Submitter Name Submitter Address Submitter Phone Charge Number PO Number	: B : 4 : 0	othell, WA 25-485-5000 46-5648				
Date Received Date Desired Hardcopy Format Disk Format	: 0 : 0 :	8/06/99 8/27/99				
Reviewer Reviewer Address Reviewer Phone	: Ñ : 6	TC 2F25				
ORB Number Date Completed	:					
Copy to Comments/Notes	: : s	amples labeled 8/4	act	ually samp	led 8/5	
Reference SR	: 9	8-0852				
Revisions	:					
+  Test Name		Test Description	+	Component	List	
1 - TPHDNW - W	1	NWTPH-D/Water Prep				
3-GM-W3020		GF/ICPMS Tot Dig W		- 1 - C - 6 a		
DIESEL-NW		Diesel in H2O NWTP	HD			
GFAA-AS  AS-DIS	-W	Arsenic by GFAA		Dissolved 2	Arsenic on W	ater
Lab Client Sample  ID	ID			Date Sampled	Test Name	
+===+=================================	====		+==	/05/99 1229	5 1-TPHDNW-W  3-GM-W3020  DIESEL-NW  GFAA-AS	    AS-DIS-W
002 90804-WSG-120	2		08     	/05/99 1310	) 1-TPHDNW-W  3-GM-W3020  DIESEL-NW  GFAA-AS	AS-DIS-W
003 90804-WSG-1203	1		+  08	/05/99 1400	) 1-TPHDNW-W	

Entered By SMO

Printed 08/06/99

Page 1

Service Request 99-1770

		3-GM-W3020 DIESEL-NW GFAA-AS AS-DIS-W
004 90804-WSG-1501	08/05/99 143	0 1-TPHDNW-W   3-GM-W3020   DIESEL-NW    GFAA-AS  AS-DIS-W
005 90804-WSG-1902	08/05/99 104	5 1-TPHDNW-W   3-GM-W3020   DIESEL-NW    GFAA-AS  AS-DIS-W
006 90804-wsg-1301	08/05/99 153	0 1-TPHDNW-W   3-GM-W3020   DIESEL-NW    GFAA-AS  AS-DIS-W
007 90804-WSG-1302	08/05/99 163	0 1-TPHDNW-W   3-GM-W3020   DIESEL-NW    GFAA-AS  AS-DIS-W
008 90804-WSG-1901	08/05/99 164	5 1-TPHDNW-W   3-GM-W3020   DIESEL-NW  GFAA-AS  AS-DIS-W

						- + -	
Group	Test Name		No. of Samples	ľ	Cost per  Cost Sample(\$)   Mult		Line  Total
+=======   CHROM	==+===================================	====+=	8	=+=	0.00  1.00		0.00
CHROM	DIESEL-NW	Ĩ	8		79.00  1.00	1	632.00
+		Total	L CHROM		Charges (\$)		632.00
METALS	3-GM-W3020	.	8	I	30.00  1.00	1	240.00
METALS	GFAA-AS  AS-DIS-W		8		10.00  1.00		80.00
+		Total	METALS		Charges (\$)		320.00

Ref	Group	Memo	Charge	Description	Notes/PO Numbe	er	Line
# 1			1	-		e. 1.1.	Total(\$)
						.=====+===	==========

Cost Summary

Total Test Charges (\$)	952.00
Total Memo Charges (\$)	0.00
Total Charges for Service Request (\$)	952.00

# ▲ Weyerhaeuser

# Analytical { sting Services Sample Analysis Request/Chain of Custody E

# Date <u>99</u>

57.500 AT 11

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	alysis Requestion		
Facility Everette - West	Droject Magazar (		Analyses Requested (circle or write in parameters) Notes
Sampler's Project No. 10K11-090,001(9)	Project Manager (print)		
Weyerhaeuser Account No. W OOF # 70479	Sampler Name (print)		Tannins SO4 SO4 SO4 SO4 SO4 SO4 SO4 SO4 SO4 SO4
Sampled by: Fincon - 18917 N. Luck P. Bulan	Sampler Name (print)		Delor Ta Color Ta Pest Herb OD OD OD
Eracility Berthell, WA. 5801-8010	Grag Soudberg Recorded By (signed)		TEX Color Color TEX TEX TPH-D COD COD
EBASNUTC (425)485-5000 (425)486-9766	Recorded By (signed)		/ BTEX Coli / BTEX Coli / BTEX Barics Barics Barics Barics Col F Ni Col F N
E&AS/NB Phone No. FAX	6129 Sandberg		Contai nics / B1 PH-Guy m) CO3 CL F Fe Mrt ( M) CO3 CL F Fe Mrt CO3 CL F Fe Mrt ( M) CO3 CL F Fe Mrt ( M) CO3 CL F Fe Mrt ( M) CO3 CL F Cuy ( M) CO3 CL F Cuy ( M) CU Cuganics / B1 Cuy ( M) Cuganics / B1 Cuy ( M) Cuganics / B1 Cuy ( M) Cuganics / B1 Cuy ( M) Cuganics / B1 Cuy ( M) Cuganics / Cuy ( M) Cuganics / Cuy ( M) Cuy ( M) Cuy ( Cuy ( M) Cuy ( Cuy ( Cuy)) Cuy ( Cuy) Cuy ( Cuy) Cuy ( Cuy) Cuy) Cuy ( Cuy) Cuy) Cuy ( Cuy) Cuy) Cuy ( Cuy) Cuy) Cuy ( Cuy) Cuy) Cuy ( Cuy) Cuy) Cuy ( Cuy) Cuy) Cuy ( Cuy) Cuy) Cuy) Cuy ( Cu) Cuy) Cuy) Cuy ( Cu) Cuy) Cuy) Cuy ( Cu) Cu) Cuy) Cuy) Cuy ( Cu) Cu) Cu) Cu) Cu) Cu) Cu) Cu) Cu) Cu)
Sample Description (ID, Date, Time are Required)	Matrix Preser		
BField Sample IDDateTimeDepth(15 characters max.)(m/d/y)(hh:mm)(ft / m)	Water Soil/Sed Oil HCI H2SO4 HNO <sub>3</sub>	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Filtered	The second secon
90204-456-1203 8-4-99 1225 -	XOIIIX	Z II ·	X TCL NH4 A TCL Z Ca A A A A A A A A A A A A A A A A A A A
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11 11 -1201 1400 -	XXX	- A2 4	
11 11 -1561 1430 -	X X X	- K -	
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I ALC ISTAN	× × ×		2 × X
	×	45 3	2 × ×
Method: G, grab; D, depth composite; T, time composite. Depth req	uired for soil or sediment san	nples.	Remarks/Detection Limit Requirements
Reporting and	QA/QC Requirements		
	CLP Package		-Dissdurd Arsenic wasfield filtered (unellow 200,9)
Lab Turn-Around Time Fuel And The Fuel And T	□ NPDES Permit		- WTDH-D. George labor - All I and
24 Hr 48 Hr Dry Day CC.	Other:		WIFTI DA COMPANY / WIC-AIL SCAPPING A
□ 24 Hr □ 48 Hr	Electronic Report		- WTPH-Dx for the All Samples x - HNOZ in Diss Assenic (Labled 8/41, but actually Sampled 8/5-65.7
Laboratory	Sample Chain of	Custody a	and Shipping Method Record
WATS/WTC WATS/NB Relinquished By Sampler (signature)	Date , /	Time	Descived D. ( in a law)
Other:	2 8/6/99	0920	
Relinquished By (signature):	Date	Time	Received By (signature): Airbill No.
Lab SR#:			
Case ID: Relinquished By (signature):	Date	Time	Received For Laboratory By (signature): PVL/GG 10'Ma.
SDG ID:			Received For Laboratory By (signature): 8/6/99 10:000- III (GOLC CALLULACY Samples Received Intact: C Cooler Temp: 4 °C
MATCANTO - SOUTH		1	Samples Received Intact: C Cooler Temp: 4 °C

WATS/WFC: 32901 Weyerhaeuser Way South, Federal Way, WA 98003 (206-924-6293)

253

WATS/NB: New Bern R&D Field Station, Highway 43 North, New Bern, NC 28563 (919-633-7238)

#### Report

#### Everett/EMCON West Site Water Samples

	Client ID	Date Sampled	Time Sampled	Lab ID	Dissolved As
-	Chentib	Date Gampled	Cumpied		
					(µg/L)
	90804-WSG-1203	08/05/99	1225	001	5
	90804-WSG-1202	08/05/99	1310	002	< 3
	90804-WSG-1201	08/05/99	1400	003	< 3
	90804-WSG-1501	08/05/99	1430	004	19
	90804-WSG-1902	08/05/99	1045	005	< 3
	90804-WSG-1301	08/05/99	1530	006	32
	90804-WSG-1302	08/05/99	1630	007	< 3
	90804-WSG-1901	08/05/99	1645	008	< 3
	Method Blank			e <sup>2</sup>	< 3

Quantitation Limit:3Method Number:AM1-3020/3113BDate Analyzed:8/18-19/99

Approved: Mary Beth Lanza Telephone: (253) 924-6013 Revised Date: 08/23/99

J 08-23-99

#### Report

# Everett/EMCON West Site Water Samples

#### Duplicate Report

	Sample 001	Duplicate 001	RPD
Element	Found	Found	
	ŀ	ug/L	
As	5	5	0

# Water Laboratory Control Sample Report

	Sample	Sample True		Upper	%
Element	Found	Value	Limit	Limit	Recovery
			µg/L		
As	43.7	47.5	39.4	55.6	92

#### Spike Recovery Report

Element	Sample 002 Found	Spike 002 Found	Net Spike	Spike Level	% Recovery
ņ.			µg/L	20	98

Approved: Mary Beth Lanza Telephone: (253) 924-6013 Date: 08/23/99

# Report Weyerhaeuser Everett West Site Water Samples

Client ID		90804-WSG-1203	90804-WSG-1202	90804-WSG-1201
Cheffert		50004-W3G-1203	30004-11302-1202	90804-W3G-1201
Sample Date and Time		8/5/99 12:25	8/5/99 13:10	8/5/99 14:00
 Lab ID	1.1	001	002	003
Appleto		mg/L	mg/L	mg/L
Analyte			0.54	
Diesel Fuel Range		0.39	0.51	0.36
Motor Oil Range		< 0.20	< 0.20	< 0.20
Reporting Limit		mg/L	mg/L	mg/L
Diesel Fuel Range		< 0.078	< 0.078	< 0.078
Motor Oil Range		< 0.20	< 0.20	< 0.20
Surrogate (%recovery)				
o-Terphenyl		97%	100%	102%
Date Extracted		8/9/99	8/9/99	8/9/99
Date Analyzed		8/16/99	8/16/99	8/16/99

Method: WTPH-D

Approved: Dennis Catalano Telephone: (253)-924-6242

#### Report Weyerhaeuser Everett West Site Water Samples

Client ID	90804-WSG-1501	90804-WSG-1902	90804-WSG-1301
Sample Date and Time Lab ID	8/5/99 14:30 004	8/5/99 10:45 005	8/5/99 15:30 006
Labib			
	mg/L	mg/L	mg/L
Analyte	····g· –	3. –	
Diesel Fuel Range	0.44	0.49	0.37
Motor Oil Range	< 0.20	< 0.20	< 0.20
• • • • • • • • • • • • • • • • • • •			
Reporting Limit	mg/L	mg/L	mg/L
Diesel Fuel Range	< 0.078	< 0.078	< 0.078
Motor Oil Range	< 0.20	< 0.20	< 0.20
and the second			
Surrogate (%recovery)			
o-Terphenyl	103%	98%	101%
Date Extracted	8/9/99	8/9/99	8/9/99
Date Analyzed	8/16/99	8/16/99	8/16/99
and a second			

Method: WTPH-D

Approved: Dennis Catalano Telephone: (253)-924-6242

#### Report Weyerhaeuser Everett West Site Water Samples

Client ID	90804-WSG-1302	90804-WSG-1901	Blank
Sample Date and Time Lab ID	8/5/99 16:30 007	8/5/99 16:45 008	DBL1_S030499
19 N.	mg/L	mg/L	mg/L
<u>Analyte</u> Diesel Fuel Range	0.56	0.34	< 0.078
Motor Oil Range	< 0.20	< 0.20	< 0.20
Reporting Limit	mg/L	mg/L	mg/L
Diesel Fuel Range Motor Oil Range	< 0.078	< 0.078 < 0.20	< 0.078 < 0.20
	1		
Surrogate (%recovery) o-Terphenyl	102%	94%	100%
Date Extracted	8/9/99	8/9/99	8/9/99
Date Analyzed	8/16/99	8/16/99	8/16/99

Method: WTPH-D

Approved: Dennis Catalano Telephone: (253)-924-6242

## Report Weyerhaeuser Everett West Site Water Samples

Client ID	Fortified Blank		
Sample Date and Time Lab ID	DLC1_S030499		ar A
	1. Sec. 1.		
	% Recovery		
Analyte			
Diesel Fuel Range	99%		
Motor Oil Range	-		
Reporting Limit	mg/L		
Diesel Fuel Range	< 0.078		
Motor Oil Range	< 0.20		
Surrogate (%recovery)			
o-Terphenyl	96%		€.
o-reiphony.	0070		
Date Extracted	8/9/99		
Date Analyzed	8/16/99		

Method: WTPH-D

Approved: Dennis Catalano Telephone: (253)-924-6242

# WEYERHAEUSER GROUNDWATER SAMPLING RECORD

Sampled By  Gracility Personnel  ES8	T Facility Fierdente	Site ID and-1201					
Other:	Project No. 90191-090,001 (9)	Date (m/d/y)					
Site Description  Monitoring Well							
Air Temp: ">?? □ °C ⊡ °F W	eather: Superior 12+ Cloudy						
Well Locked? 🖾 yes 🗆 no 🛛 Da	maged/Repairs Needed: - nothered lock	Phone Shield					
TOC MP Description: 54-4-00							

Well Inside Diameter (ID): 2-2-inch 4-inch Other: TOC/MP Stickup: Tt I m above/below ground

Site Remarks (nearby wells pumping, tide, stream stage, etc.)

195 Well or Borehole Total Depth (TD) from MP or TOC: Water Level Data Measurement Units: Eft I m

⊡. E-Tape, # □ Steel Tape □ Other	Pre-Purge Initial	Pre-Purge Confirmation	Purging Start	During Purging	Purging End	After Sampling	Remarks
Time (hh:mm; 24-hr clock)	1325						
Depth to Water	12.103						
Tape Correction	ere sidelanan						
Water Level (WL)	12.63						
Product Thickness	Con Col Station						
Product Recovery □ gallons □ liters	NA			1	24 1		

Measure water level from fixed measuring point (MP) or top of well casing (TOC). Record water depth to nearest 0.01 ft or 0.002 m, with minus (-) sign if level is above MP or TOC. If no mark on MP or TOC, measure water level from north side of casing. Measure static or pre-purging water level twice; record initial and confirmation measurements and measurement times (in 24-hour clock format). MP/TOC Stickup measurement is from ground surface to nearest 0.1 ft or 0.01 m. Depth to Water codes: N - not measured; D - dry; O - obstructed; P - pumping; F - flowing (artesian well); R - recently pumped; C - cascading. Water Level (WL) = Depth to Water - Tape Correction factor. Record free product presence at time of water level measurement; use "S" for free product thickness if sheen observed. If free product removed from well, record volume removed in gallons or liters, list product type in "Remarks" column.

Field WQ Data	Purge Depth: 22	16 has	🗆 Grab	🗆 Bailer 🞾 Pump	Description: Hariste 14.	5
			0			1 4 4 11 /

Casing Volume: [ <u>/4, %</u> (T) Conversion Factor = 0.0408 for	D) - <u>12.63 (</u> WL)]	• 7.17 (Well-I) s; 0.1544 for fe	$\left[\frac{163}{163}\right]^2 \cdot \left[\frac{163}{163}\right]$	conversion Factor)] 0.5066 for meter	= <u>1,16</u> 🖬 (	gal □ liters	10.0-	I Goes Dry
Cum. Vol. Purged	2.54 min					(Final)	Meter Type	Remarks
Time (hh:mm; 24-hr clock)	1339	1342	1345	1348				
pH (Temperature Corrected? □)	7.70	7.26	7.10	7.03			T-574-3	-
Temperature D°C D°F	8.5	13.9	13.6	R.F			CXUCH	
Dissolved Oxygen mg/L	1,14	1.03	1.03	1,02			02104	
SC or EC µS/cm	573	574	573	573			CEP43	
Turbidity D NTU	Meas all	Larger So	o sized	alsae Pa.	Hillitatos			-
Color/Tint	, is ar the		11	searce Clover				
Odor	ANIM	11	11	NNO			17	
	-			+				

Record time purging starts and ends in "Purging Start" and "Purging End" columns in Water Level Data section. Cum. Vol. Purged: cumulative volume removed before sampling, in gallons or liters. Pumping states and when any states and when any states and any states any states and any states and any states and any states and any or average pumping rate during purging. Record equipment calibration methods, decontamination procedures, equipment failures, purge water disposal method, etc. in daily field notes. SC: Sp Conductance corrected for temperature (µS/cm at 25°C); EC: Electrical Conductivity not corrected for temperature (µS/cm). µS/cm = µmho/cm. 1 gallon (US) = 3.785 L = 0.833 Imperial gallon

Description: Priste Min Sample Depth: 21/2 1005 Grab Bailer E Pump Sample Data

Result Code	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Lab ID	Case ID	SDG ID	Remarks
PO	8-4.99	1400	2	ÁK				
		-			<u> </u>			
	Code	Code (m/d/y)	Code (m/d/y) (hh:mm)	Code (m/d/y) (hh:mm) (total to lab)	Code (m/d/y) (hh:mm) (total to lab) (0.45 μm)	Code (m/d/y) (hh:mm) (total to lab) (0.45 μm) ID	Code (m/d/y) (hh:mm) (total to lab) (0.45 µm) ID Case ID	Code         (m/d/y)         (hh:mm)         (total to lab)         (0.45 μm)         ID         Case ID         SDG ID

Sample ID may be up to 15 characters. Sample Result Code, Date, and Time must be entered. Result Codes: P0, Primary Sample; D#, Duplicate Sample; S#, Split Sample (sent to second lab); Sample to may be up to 15 characters. Sample result code, bate, and immerinast be entered. Result codes: PU, Primary Sample, De, Duplicate Sample, See Spit Case Di Second abry, BF#, Field Blank; BR#, Equipment Rinsate; BT#, Trip Blank; SF#, Field Spike (# = 1 to 9). Lab ID (up to 5 characters) is name of laboratory that will analyze the sample. Case Di (up to 5 characters) and SDG (1D (sample delivery group, up to 15 characters) are required for blanks. Case ID may be the lab service request number of rymm. SDG may be lab '9'SDG, a cooler ID number, or mmddyy. Enter sample preservation and handling data on chain-of-custody form. Also record detailed information about duplicate, spit, prisate, spike, and/or blank sample collection/handling in daily field notes.

Sampler's Name (print)	Gree Sundlerre		The and the	
	1 /	Data Estarad into Databasa	By Company	Page of

Form 18900 (R9/95) Dienckx Printing Services Tukwild

Date Entered into Database

	WEYER	HAEUS	ER GR	ROUNDW	ATER SA		RECOR	RD		
Sampled By D Facilit	y Personnel	ES&T	Faci	lity Ever	the wife	Lan-	Site	ID n	11-1	202
Other:			Proj	ect No. 4	WII-090.0	201 (4)			No. of Concession, Name of Street, or other Division, or other Divisio	13/99
Site Description	Monitoring					1				
		Wea							,	
Well Locked?  ves	and the state of the second			epairs Need	ed.					
TOC MP Descript		Dam	agoarra				2	/		
		above/belov	w around	Well In	side Diamete	er (ID): 2	inch D	4-inch (	Other:	
Site Remarks (nearby well				and the second		<u> </u>	1			and the second
	Measureme				or Borehole To	tal Depth (TD)	from MP o	or TOC:	20	العمو
□.E-Tape, # □ Steel Tape □ Other	Pre-Purg Initial	e Pre-	Purge	Purging Start	During Purging	Purging End	A	fter		Remarks
Time (hh:mm; 24-hr clock)	1230									
Depth to Water	1-11	all clar	Ear le	pit Q	5.48 4	(TOC)	- 1/0+	elde		
Tape Correction	4	: شکسون ور ۲	ala lar	martor h	Laurita	but abola	the real	, Li		
Water Level (WL)		lation A.	(astrala)	In Gowith	inuida .		1			
Product Thickness		- 17	1	<u></u>						
Product Recovery		1				2				
Field WQ Data     President       Casing Volume:     200       Conversion Factor = 0.0408 from       Current     Vol. Purged	TD) -	_(WL)]•[	(Well ID)	(Con	version Factor)] =	🗆 g	al 🗆 lite	ers nes Me		Goes Dry Purging 🛛 Remarks
Pumping Rate				2	They I					
Time (hh:mm; 24-hr clock)	-			10000	501					
pH (Temperature Corrected? D)					6.79	Care Care Chaire	Destander			
Temperature D°C D°F		16.1		in the second	15.9					
Dissolved Oxygen mg/L		49(		1.69	1.57				ana an	And an all the second
□ SC or ⊠ EC µS/cm	-			11(0)	11					
		1 to 1 d i d Particula		11	11	n Tradicional de la composition de la comp				A selection of the
Color/Tint		11	117	NNO	NNO		0.000.000.00			
Odor	NNO.			A/NO	1100		a station [			
Record time purging starts and enda liters. Pumping Rate is gpm or Lpm, de or average pumping rate during purging Conductance corrected for temperature	epending on box	checked in cas	ing volume c	alculation. Use "File	nal" column above fo	failures ourge wate	r disposal me	thod, etc. in	daily field	notes. SC: Specif
	ample Depth	and the second se		Grab 🗆 Bail		Description		i de		Derrichte
Field Sample ID (unique ID on bottles)	Result Code	Date (m/d/y)	Time (hh:mm	Contraction of the local division of the loc	and the second	Lab ID (	Case ID	SDG	D	Remarks
90904-1264-1202	PO	8-499	1310	2.	43	all and a				
90901-451902		8.4.49	1045	32	15					Tyskins

A.C.S.

Sample ID may be up to 15 characters. Sample Result Code, Date, and Time must be entered. Result Codes: PO, Primary Sample; D#, Duplicate Sample; S#, Split Sample (sent to second lab); BF#, Field Blank; BR#, Equipment Rinsate; BT#, Trip Blank; SF#, Field Spike (# = 1 to 9). Lab ID (up to 5 characters) is name of laboratory that will analyze the sample. Case ID (up to 5 characters) and SDG ID (sample delivery group, up to 15 characters) are required for blanks. Case ID may be the lab service request number or yy-mm. SDG may be lab's SDG, a cooler ID number, or mmddyy. Enter sample preservation and handling data on chain-of-custody form. Also record detailed information about duplicate, split, rinsete, spike, and/or blank sample collection/handling in daily field notes.

Signature 5 24 Sampler's Name (print) bries City on Allows Arter By

Sampled By D Facility	Personnel	ES&T	Faci	lity Eve	sette - lalos	f.	Site	ID 謝北	1203
Other:			and the second se	Statement in the second se	MINI-090.0			(m/d/y)	
Site Description	Monitoring W	/ell D Ext				10 AL .		be Other	1
the second s	ार्ख्र इ. छार् °F			4. Cloudy				1 14	
Well Locked? 🖾 yes 🗆				the second se	ded: l'h - C	1/2			
TOC IMP Description		L HADER CA			1.44	Contraction of the	a	1.6	
	∃ft □m a	and a strength of the strength		Well I	nside Diamet	er (ID): 🖻	2-inch	4-inch Ot	her:
Site Remarks (nearby wells				1.0				100	
Water Level Data	Measuremen	t Units: 🕻	a-ft ⊡ m	We	II or Borehole To	tal Depth (TD)	) from MP o	r TOC: 9	'4
⊒ E-Tape, # □ Steel Tape □ Other	Pre-Purge Initial	Pre-	Purge mation	Purging Start	During Purging	Purging End	A	fter npling	Remarks
Time (hh:mm; 24-hr clock)	1150								
Depth to Water	6.37								
Tape Correction									
Water Level (WL)	6.37	Stree .			in the second		5		
Product Thickness									
Product Recovery gallons I liters Measure water level from fixed measuring		19							
Casing Volume: [ 4.4 m	$ML) = Depth to Vwell, record volumrge Depth: D) - \int_{M} \frac{2}{3} \frac{2}{7} (1)$	Water - Tape ( me removed in $\approx 3'$ (mg WL)	Gallons or lit	ctor. Record free ers, list product ty Grab Ba	product presence at pe in "Remarks" colur iller Pump onversion Factor)] =	Description	n: Angles gal □ lite	rs V	Vell Goes Dry
pumped: C - cascading. Water Level (v observed. If free product removed from v Field WQ Data Pu Casing Volume: [ <u>4,4</u> (m Conversion Factor = 0.0408 for □ Cum. Vol. Purged	$ML) = Depth to Vwell, record volumrge Depth: D) - \int_{M} \frac{2}{3} \frac{2}{7} (1)$	Water - Tape ( me removed in 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Gallons or lit	ctor. Record free ers, list product ty Grab Ba	product presence at pe in "Remarks" colur iller Pump onversion Factor)] =	Description	n: Angles gal □ lite	rs V	Vell Goes Dry Vhile Purging
pumped: C - cascading. Water Level (v) observed. If free product removed from v Field WQ Data Puu Casing Volume: <u>4.4</u> (m Conversion Factor = 0.0408 for Cum. Vol. Purged Pumping Rate	$ML) = Depth to Vwell, record volumrge Depth: D) - \frac{2}{37} (vfeet and gal$	Water - Tape ( me removed in 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Correction fa gallons or lit <u>(Well</u> /fD)] 44 for feet	ctor. Record free ers, list product ty Grab Ba	product presence at pe in "Remarks" colur iller Pump onversion Factor)] =	Description	gal □ lite	r use s for fi	Vell Goes Dry Vhile Purging er Remarks
pumped; C - cascading, Water Level (w observed. If free product removed from v Field WQ Data Pui Casing Volume: [ <u>4,4</u> (m Conversion Factor = 0.0408 for Conversion Factor = 0.0408 for Cum. Vol. Purged Pumping Rate Time (hh:mm; 24-hr clock)	$ML) = Depth to Vwell, record volumrge Depth: 1D) - \frac{1}{637} (vreet and gal2541207$	Water - Tape ( me removed in 2 3 June WL) Ilons; 0.154	Correction fa gallons or lit 2 (Well/₽D)] 44 for feet	ctor. Record free ers, list product ty Grab □ Ba 2. e(C and liters; 0	product presence at pe in "Remarks" colur hiler @_Pump onversion Factor)] = .5066 for meters	Description	gal □ lite	rs V Mes Mete	Vell Goes Dry Vhile Purging er Remarks
pumped; C - cascading.       Water Level (W         observed.       If free product removed from v         Field WQ Data       Pui         Casing Volume:       9.0         Conversion Factor = 0.0408 for       0         Cum.       Vol.       Purged         Pumping Rate       1         Time       (hh:mm; 24-hr clock)         pH       (Temperature Corrected? [3])	$ML) = Depth to Vwell, record volumrge Depth: 1D) - \frac{1}{637} (vreet and gal2541207$	$\frac{1}{2} \frac{1}{2} \frac{1}$	Correction fa gallons or lit (Well-RD)] 44 for feet	ctor. Record free ers, list product ty Grab □ Ba 2	product presence at pe in "Remarks" colur hiler @_Pump onversion Factor)] = .5066 for meters	Description	gal □ lite	r use s for fi	Vell Goes Dry Vhile Purging Pr e Remarks
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pumped: C - cascading. Water Level (Wobserved. If free product removed from v <b>Field WQ Data</b> Pum Casing Volume: <u>4.4</u> (m Conversion Factor = 0.0408 for Cum. Vol. Purged Pumping Rate Time (hh:mm; 24-hr clock) pH (Temperature Corrected? ) Temperature 🔄°C □°F Dissolved Oxygen mg/L	ML) = Depth to V well, record volum rge Depth: $\frac{1}{207}$ reet and gal $\frac{1207}{1207}$ $\frac{1207}{1207}$	$\begin{array}{c} \text{Water - Tape (} \\ \text{me removed in} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} $	Correction fa gallons or lit (Well/RD)] 44 for feet	ctor. Record free ers, list product ty Grab □ Ba e <u>elle3</u> (c and liters; 0 113 (	product presence at pe in "Remarks" colur intermediate the period of	time of water leve nn. Descriptior and liters; We	gal □ lite	rs V Ins V Mes V Mete Type	Vell Goes Dry Vhile Purging Pr Remarks +3
pumped: C - cascading. Water Level (with observed. If free product removed from viewed from viewed) and the product removed from viewed fr	ML) = Depth to V well, record volum rge Depth: $\frac{1}{20}$ feet and gal $\frac{1207}{1.08}$ 17.7	Nater - Tape ( ne removed in ≈ 3 <sup>-1</sup> /// ilons; 0.154 12.10 (12.10 (12.10 13.11 13.11 13.11 (6.()	Correction fa gallons or lit <u>3</u> (Weil/fD)] 44 for feet 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ctor. Record free ers, list product ty Grab $\Box$ Ba $\mathbf{Z} \bullet [\underline{\ o / (o \cdot \overline{\mathbf{J}} \cdot \mathbf{C})}$ and liters; 0 113 $(\overline{\ o \cdot \mathbf{S} \cdot \mathbf{F}})$ $(\overline{\ o \cdot \mathbf{S} \cdot \mathbf{F}})$ $(\overline{\ o \cdot \mathbf{S} \cdot \mathbf{F}})$ $(\overline{\ o \cdot \mathbf{S} \cdot \mathbf{F}})$	product presence at pe in "Remarks" colur niler $\blacksquare$ Pump 5066 for meters 1216 6.1.5 19.2 1.09	time of water leve nn. Descriptior and liters; We	gal □ lite	rs V Ins V Mes V Mete Type	Vell Goes Dry Vhile Purging Pr Remarks +3
pumped: C - cascading. Water Level (w) observed. If free product removed from v Field WQ Data Pum Casing Volume: [ <u>4,4</u> (m Conversion Factor = 0.0408 for Conversion = 0.0408 for Conversion = 0.0408 for Conversion = 0	ML) = Depth to V well, record volum rge Depth: $\frac{1}{207}$ feet and gal $\frac{1207}{1207}$ $\frac{1207}{1207}$ $\frac{1207}{1207}$ $\frac{1207}{1207}$	Nater - Tape ( ne removed in ≈ 3 / 1000 (3.1)	Correction fair gallons or lit (web (h)) 44 for feet 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ctor. Record free ers, list product ty Grab $\Box$ Ba $2 \cdot [allo3] (Cand liters; 0)113(.57)$	product presence at pe in "Remarks" colur intermediate the period of	time of water leve nn. Descriptior and liters; We	gal □ lite	rs V Ins V Mes V Mete Type	Vell Goes Dry Vhile Purging Pr Remarks +3
pumped: C - cascading. Water Level (v) observed. If free product removed from v Field WQ Data Pui Casing Volume: <u>4.4</u> (m) Casing Volume: <u>4.4</u> (m) Conversion Factor = 0.0408 for □ Cum. Vol. Purged □ NTU Color/Tint	ML) = Depth to V well, record volum rge Depth: $\frac{1}{2}$ reet and gain $\frac{1}{2}$ , $\frac{5}{2}$ $\frac{1207}{1}$ $\frac{1.23}{1}$ $\frac{1.23}{2}$ $\frac{1.23}{2}$	Nater - Tape ( me removed in ≈ 3 / 1.46 (3.17) 10ms; 0.154 12.10 (3.18) 12.10 (3.18) 13.11 13.11 (3.18) 13.11 (3.18) (3	Correction fair gallons or lit (web (h)) 44 for feet 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ctor. Record free ers, list product ty Grab $\Box$ Ba $2 \cdot [\underline{all a}]$ (C and liters; 0 113 6.57 1.00 1.57 1.00 1.57	product presence at pe in "Remarks" colur inler $\Box$ Pump onversion Factor)] = .5066 for meters 1.2160 6.1.5 19.3 1.09 1.55 0.590 c.	time of water leve nn. Descriptior and liters; We	gal □ lite	rs V Ins V Mes V Mete Type	Vell Goes Dry Vhile Purging Pr Remarks +3
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Sampled By D Facilit	y Personnel	ES&T Fa	cility En	sto-West	-	Site ID	Mathi-	-1301
Other:			oject No. 🧃			Date (n	n/d/y) <	2-2-94
Site Description	Monitoring Wel				TOP I	e 🗆 Probe	Other:	
Air Temp: 70° □ °C	C ⊠ °F	Weather:	Sumar		and a star			
Well Locked? ves	no		Repairs Need	ed: No				E.
TOC MP Descript	ion: flucture	imut						
TOC/MP Stickup:	⊠_ft □ m abo	ove/below grour	d Well In	side Diamet	er (ID): 🖾 2-i	nch 🛛 4-ind	ch Othe	r:
Site Remarks (nearby well	s pumping, tide	, stream stage,	etc.)			A. A. A.		
Water Level Data	Measurement L	Jnits: 🗐 ft. D	lm Well	or Borehole To	tal Depth (TD) f	rom MP or TO	oc: 9,4	0
□ E-Tape, # □ Steel Tape □ Other	Pre-Purge Initial	Pre-Purge Confirmation	Purging Start	During Purging	Purging End	After Samplir	102	Remarks
Time (hh:mm; 24-hr clock)	1500							
Depth to Water	6.41						1.200	
Tape Correction								
Water Level (WL)	1.41	1.50						
Product Thickness	NIA							
Product Recovery gallons  liters	N/A	100						
Measure water level from fixed measurin TOC, measure water level from north s MP/TOC Stickup measurement is from g pumped; C - cascading. Water Level ( observed. If free product removed from	ide of casing. Meas ground surface to ne WL) = Depth to Wat	arest 0.1 ft or 0.01 m ter - Tape Correction	ging water level twice; . Depth to Water code factor. Record free p	record initial and co es: N - not measure product presence at	onfirmation measurem d; D - dry; O - obstruc time of water level m	nents and measured; P - pumping	F - flowing (	(in 24-hour clock form artesian well); R - rece
Field WQ Data Pu	irge Depth: 😤	7.5 has	🗆 Grab 🗖 Bail	er 🖬 Pump	Description:	Porvisett.	2	
Casing Volume: [9.4] Conversion Factor = 0.0408 fo	r feet and gallo	ns; 0.1544 for fe	(Cor eet and liters; 0.5	version Factor)] =	and liters; Well	al 🗆 liters ID in inches		II Goes Dry ile Purging
□ Cum. Vol. Purged □ Pumping Rate	4.54/mir	1				(Final)	Meter Type	Remarks
Time (hh:mm; 24-hr clock)	1509	1513	1516					
pH (Temperature Corrected? ) (Temperature Corrected? )	7.04	6.77	6.70			1.1		
Temperature d'C D'F	15,7	15.5	15.5					
Dissolved Oxygen mg/L	1.20	1.09	1.08					
SC or EEC µS/cm	311	311	319					

- بد ماندای

 Turbidity
 INTU
 Slightly fulled - list colored send sized Politiculates

 Color/Tint
 Clear/Hust
 II

 Odor
 NNO
 NNO

Record time purging starts and ends in "Purging Start" and "Purging End" columns in Water Level Data section. Cum. Vol. Purged: cumulative volume revealed before sampling, in gallons or liters. Pumping Rate is gpm or Lpm, depending on box checked in casing volume calculation. Use "Final" column above for recording sample field measurements, total volume purged before sampling or average pumping rate during purging. Record equipment calibration methods, decontamination procedures, equipment failures, purge water disposal method, etc. in daily field notes. SC: Specific Conductance corrected for temperature (µS/cm at 25°C); EC: Electrical Conductivity not corrected for temperature (µS/cm). µS/cm = µmho/cm. 1 gallon (US) = 3.785 L = 0.833 Imperial gallon

Sample Data	Sample Dept	h: \$7.5'	has 0G	rab 🛛 Bailer	D Pump	Descript	tion: tarif	the the	
Field Sample ID (unique ID on bottles)	Result Code	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Lab ID	Case ID	SDG ID	Remarks
90804-WS1+-1301	PO	8-4.99	1530	2	Das As.	<u> </u>			
Sample ID may be up to 15 charact BF#, Field Blank; BR#, Equipment R and SDG ID (sample delivery group Enter sample preservation and hand	Rinsate; BT#, Trip I	Blank; SF#, Field ers) are required	Spike (# = 1 to for blanks. Cas	9). Lab ID (up to te ID may be the lal	5 characters) is n service request r	ame of laboral	nm. SDG may be	lab's SDG, a-coole	ID number, or mmddyy.

Sampler's Name (print) brits Sandberg	Signature
Form 18900 (R9/95) Dienckx Printing Services Tukwile	Date Entered into Database By Page of

Weat	Proje	ect No.	<u>46141-091</u> ion Well □ S ded: <u>1,31</u> nside Diame Il or Borehole 1 During	pring □ Boreho pring □ Depth (TD) pring □ Pring □ P	Date (1 Die Probe	nch Other	9- <i>4</i> -79
Weat Dama ICL IND OF n above/below n above/b	action We her: < aged/Re	ell Irrigat	ion Well D S ded: 1,33 nside Diame	pring 🗆 Boreho Parton – D eter (ID): 🖾 2 Total Depth (TD)	-inch 4-ir	other:	
Weat Dama ICL IND OF n above/below n above/b	her: C aged/Re d ground stage, etc. fft	weing Weing Weing	ded: 1, 1 and an	eter (ID): 🗗 2 Total Depth (TD)	-inch 4-ir	nch Other	:
Dama ICh Inde Our n above/below , tide, stream s nent Units: rge Pre-F I Confirr	aged/Re d ground stage, etc. ft	Well I .) Purging	nside Diame	eter (ID): 🖾 2	-inch 4-ir from MP or T	oc: 9,4	:
n above/below , tide, stream s nent Units: rge Pre-F I Confirr	ground stage, etc. fft □ m Purge	Well I .) We Purging	nside Diame	eter (ID): 🖾 2	-inch 4-ir from MP or T	oc: 9,4	:
, tide, stream s nent Units: rge Pre-F I Confirr	stage, etc. Ift □ m Purge	.) We Purging	Il or Borehole T	otal Depth (TD)	from MP or T	oc: 9,4	
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rge Pre-F I Confirm	Purge	Purging	During		I THE REAL PROPERTY AND INCOME.		
Confirm		Purging	During		I THE REAL PROPERTY AND INCOME.		
•			Purging	End	Sampl		Remarks
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	5. (		в				
2 (m) = 318	(WeihiD)	•[ 163 (co	onversion Factor)	= . 51 jag	al 🗆 liters	Well	Goes Dry e Purging E
Mai or					(Final)	Meter Type	Remarks
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and the second state of th	6	.52	14.7			ORION	
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(1.51 11.09 1280 W/a for	105- 105- 105- 105- 105- 105- 105- 105-	12 331	16.7 <u>1.13 /</u> 1360 e Alque		·s	CRION ORION	
(1.51 11.09 1280 W/a for	105- 105- 105- 105- 105- 105- 105- 105-	1.52 1.9 12 331 50nd-517	16.7 <u>1.13 /</u> 1360 e Alque		·5	CRION ORION	
	Measure static or e to nearest 0.1 ft o to Water - Tape C olume removed in g : X 8 / Jack 2 (WL)] € 3.18 gallons; 0.1544	Measure static or pre-purging e to nearest 0.1 ft or 0.01 m. Dr to Water - Tape Correction fac olume removed in gallons or lite : X8 / Jac C	Measure static or pre-purging water level twick e to nearest 0.1 ft or 0.01 m. Depth to Water coi to Water - Tape Correction factor. Record free olume removed in gallons or liters, list product by : X8 / Jack G Grab Ba (ML) 3/8 (WeiHB) 9 Jack G gallons; 0.1544 for feet and liters; 0	Measure static or pre-purging water level twice; record initial and e to nearest 0.1 ft or 0.01 m. Depth to Water codes; N - not measure to Water - Tape Correction factor. Record free product presence i olume removed in gallons or liters, list product type in "Remarks" colin: NS         : NS       □ Grab       □ Bailer       □ Pump         : (ML)       • [3:8] (WeiHIP)       • [3:8] (Conversion Factor.]         gallons; 0.1544 for feet and liters;       0:5066 for meter	Measure static or pre-purging water level twice; record initial and confirmation measure e to nearest 0.1 ft or 0.01 m. Depth to Water codes: N - not measured; D - dry; O - obstrn to Water - Tape Correction factor. Record free product reserve at time of water level olume removed in gallons or liters, list product type in "Remarks" column.         : NS //w       □ Grab       □ Bailer       □ Pump       Description:         : NS //w       □ Grab       □ Bailer       □ Pump       Description:	Measure static or pre-purging water level twice; record initial and confirmation measurements and measure to nearest 0.1 ft or 0.01 m. Depth to Water codes: N - not measured; D - dry; O - obstructed; P - pumping to Water - Tape Correction factor. Record free product type in "Remarks" column.         : W8 / back       Grab       Bailer       P-pump       Description:       Pump       Pump         : W8 / back       Grab       Bailer       Pump       Description:       Pump       Pump         : W8 / back       Grab       Bailer       Pump       Description:       Pump       Pump         : W8 / back       Grab       Bailer       Pump       Description:       Pump       Pump         : W8 / back       Grab       Bailer       Pump       Description:       Pump       Pump         : W8 / back       Grab       6000000000000000000000000000000000000	W8 1/4-5       Grab       Bailer       Pump       Description:       Pump is faller         (WL)       Si8 (Weilstp)       Image: Signal Conversion Factor)       Image: Signal Conversion Fa

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Sample ID may be up to 15 characters. BF#, Field Blank; BR#, Equipment Rinsat and SDG ID (sample delivery group, up to Enter sample preservation and handling d	e; BT#, Trip I o 15 characte	Blank; SF#, Field ers) are required	Spike (# = 1 to for blanks. Cas	9). Lab ID (up to e ID may be the lai	5 characters) is r b service request	number or yy-m	m. SDG may b	za the sample_Ca e lab's SDG, a coole	se ID (up to 5 characters) or ID number, or mmddyy.

Enter sample preservation and handling data on chain-or-custody form.	
Sampler's Name (print) grad tob darve	Signature The Tuble
Form 18900 (R9/95) Dienickx Printing Services Tukwila	Date Entered into Database By Page of

Sampled By 🗆 Facilit	y Personnel	ES&T	Fac	ility Franks	- Weat	C. P. M.	Site II	D 1501	
Other:			and the second s	ect No. (m	State of the second	nedaj		A REAL PROPERTY AND A REAL	9/1 <b>1/4</b> 9
Site Description	Monitoring W						Contraction of the local division of the loc		
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TOC MP Descripti		Dun	lageant			Con 1 1 d	* 1011 * ~ 0.08 Y	1 mes Talent	andron - In BANNANCE or
	⊡ft □ m al	bove/belo	w ground	Well Ins	side Diamete	er (ID): 🖾 2	2-inch 4-i	nch Othe	er.
Site Remarks (nearby wells					-				,
	Measurement		4		or Borehole Tot	al Depth (TD)	from MP or T		1053mcEtr
⊡ E-Tape, # □ Steel Tape □ Other	Pre-Purge Initial	Pre-	Purge rmation	Purging Start	During Purging	Purging End		er	Remarks
Time (hh:mm; 24-hr clock)	1104								
Depth to Water	4.98					1			
Tape Correction									
Vater Level (WL)	4,98	1 - 13					-		
Product Thickness									
Product Recovery ] gallons	NÁ				2				
Field WQ Data Pu Casing Volume: [7.5	well, record volum rge Depth: 3 D) - <u>1,98 (</u> W	2 7.5%	gallons or lit	Grab D Baile	r D Pump ersion Factor)] =	Description:	al 🗆 liters	We	II Goes Dry ile Purging E
Field WQ Data Pu Casing Volume: [7.5	well, record volum rge Depth: 3 D) - <u>1,98 (</u> W	x 7.5/	gallons or lit	ers, list product type Grab □ Baile <sup>2</sup> •[, <u>163</u> (Conv	r D Pump ersion Factor)] =	Description:	al 🗆 liters	We	
Field WQ Data     Pu       Casing Volume:     [7.5] (T       Conversion Factor = 0.0408 for       Cum. Vol. Purged       Pumping Rate	well, record volum rge Depth: $\frac{1}{2}$ D) - $\frac{1.98}{1.98}$ (M r feet and gall	2 7.51 n.)]\$[ <u>4.5.</u> ons; 0.154	i gallons or lit	ers, list product type Grab □ Baile <sup>2</sup> •[, <u>163</u> (Conv	r D Pump ersion Factor)] =	Description:	gal □ liters II ID in inches (Final)	We Wh Meter Type	ile Purging
Field WQ Data       Pu         Casing Volume:       [7.5]_(T         Conversion Factor = 0.0408 for         Cum. Vol. Purged         Pumping Rate         Ime       (hh:mm; 24-hr clock)         OH       (Temperature Corrected? □)	well, record volum rge Depth: $\frac{1}{2}$ D) - $\frac{1.98}{1.98}$ (M r feet and gall $\frac{54}{148}$ $\frac{148}{6}$	2 7.5% n.)=[4.5. ons; 0.154 1.12.1 1.0.6	a gallons or lit <u> <u> </u> <u> </u> <u> </u> (WeilHID)] <u> </u> <u> </u></u>	ers, list product type Grab □ Baile <sup>2</sup> •[ <u>,163</u> (Conv and liters; 0.50	r D Pump ersion Factor)] =	Description:	gal □ liters IID in inches (Final) DPU-3	We Wh Meter Type	ile Purging
Field WQ Data       Pu         Casing Volume:       7.5 (T         Conversion Factor = 0.0408 for         Cum. Vol. Purged         Pumping Rate         Time       (hh:mm; 24-hr clock)         OH       (Temperature Corrected? □)         Temperature       D*C □°F	well, record volum rge Depth: $\frac{1}{2}$ D) - $\frac{1.98}{1.98}$ (M r feet and gall $4.51/_{100}$ (M 1.975	2 7.51 n.) = [4.5. ons; 0.154 11721 1.0.6 18,1	(WellHD)	ers, list product type Grab □ Baile <sup>2</sup> •[ <u>,163 (Conv</u> and liters; 0.50 1/2.5 (a.67 1/5.3	r D Pump ersion Factor)] =	Description:	gal □ liters IID in inches (Final) TPP 4- 3 021011	We Wh Meter Type	ile Purging
Field WQ Data     Pu       Casing Volume:     7.5       Conversion Factor = 0.0408 for       Cum. Vol. Purged       Pumping Rate       Ime     (hh:mm; 24-hr clock)       OH     (Temperature Corrected? □)       Temperature     Ime       OB     C □°F       Dissolved Oxygen     mg/L	well, record volum rge Depth: 2 D) - <u>1.98</u> (M r feet and gall <u>L54/</u> <u>117</u> <u>1.01</u>	2 7.51 n.) = [4.5. ons; 0.154 [1.12] [6.6 [18.1] [.00]	) gallons or lit <u> <u> </u> </u>	ers, list product type Grab □ Baile <sup>2</sup> •[!(3] (Conv and liters; 0.50 1/2.5 (a(37) 1/3.3 1/0.3	r D Pump ersion Factor)] =	Description:	ID in inches (Final) (Final) 1797 4-3 021011 021011	We Wh Meter Type	ile Purging
Field WQ Data       Pu         Casing Volume:       [7,5] (T         conversion Factor = 0.0408 for         Cum. Vol. Purged         Pumping Rate         Ime       (hh:mm; 24-hr clock)         H       (Temperature Corrected? □)         remperature       Dec □°F         Dissolved Oxygen       mg/L         SC or       DEC       µS/cm	well, record volum rge Depth: 2 D) - <u>1.98</u> (M r feet and gall <u>6.60</u> 177, <del>7</del> 1.01 <u>1113</u>	2 7.51 m.)]=[4.5] ons; 0.154 1.121 1.00 1410	n gallons or lit <u> <u> </u> </u>	ers, list product type Grab  Baile Grab Baile Grab Gramma Grab Gramma Gramma Grab Gramma	r D Pump ersion Factor)] =	Description:	gal □ liters IID in inches (Final) TPP 4- 3 021011	We Wh Meter Type	ile Purging
Casing Volume: [7.5	well, record volum rge Depth: 2 D) - <u>1.98</u> (M r feet and gall <u>4.54/</u> <u>1.554/</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u>	2 7.51 m.)]=[4.5] ons; 0.154 1.121 1.00 1410	n gallons or lit <u> <u> </u> </u>	ers, list product type Grab $\Box$ Baile $2^{\circ} [$	r D Pump ersion Factor)] =	Description:	ID in inches (Final) (Final) 1797 4-3 021011 021011	We Wh Meter Type	ile Purging
Field WQ Data       Put         Casing Volume:       [1,5]         Conversion Factor = 0.0408 for         Cum. Vol. Purged         Pumping Rate         Time       (hh:mm; 24-hr clock)         OH       (Temperature Corrected? □)         Temperature       Def C □°F         Dissolved Oxygen       mg/L         SC or       EC µS/cm         Turbidity       NTU         Color/Tint	well, record volum rge Depth: 2 D) - <u>1.98</u> (M r feet and gall <u>4.54</u> / <u>Jan</u> / M <u>1.54</u> / <u>Jan</u> / M <u>1.01</u> <u>117</u> , <del>7</del> <u>1.01</u> <u>117</u> , <del>7</del> <u>1.01</u> <u>117</u> , <u>7</u> <u>1.01</u> <u>117</u> , <u>7</u> <u>1.01</u> <u>118</u> <u>1.01</u> <u>118</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u></u>	2 7.51 n.)]=[4.5. ons; 0.154 1.121 1.00 1410 1.100 1410 1.44 + 1	a gallons or lit <u> <u> </u> </u>	ers, list product type Grab  Baile Grab Baile Grab Gravest Baile Gravest Bail	r D Pump ersion Factor)] =	Description:	ID in inches (Final) (Final) 1797 4-3 021011 021011	We Wh Meter Type	ile Purging
Field WQ Data     Pu       Casing Volume:     1.5 (T       Conversion Factor = 0.0408 for       Cum. Vol. Purged       Pumping Rate       Ime     (hh:mm; 24-hr clock)       OH     (Temperature Corrected? □)       Temperature     Ime       Dissolved Oxygen     mg/L       ISC or     Ime       Urbidity     □ NTU       Color/Tint	well, record volum rge Depth: 2 D) - <u>1.98</u> (M r feet and gall <u>4.54/</u> <u>1.554/</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u>	2 7.5% n.) = [4.5] ons; 0.154 1.156 1.154 1.156 1.154 1.156 1.15	a gallons or lit <u> <u> </u> </u>	ers, list product type Grab $\Box$ Baile $2^{\circ} [$	r D Pump ersion Factor)] =	Description:	ID in inches (Final) (Final) 1797 4-3 021011 021011	We Wh Meter Type	ile Purging
Field WQ Data       Pu         Casing Volume:       9         Conversion Factor = 0.0408 for         Cum. Vol. Purged         Pumping Rate         Time       (hh:mm; 24-hr clock)         OH       (Temperature Corrected? □)         Temperature       C □°F         Dissolved Oxygen       mg/L         ISC or       EC µS/cm         Turbidity       NTU         Color/Tint         Odor	well, record volum rge Depth: 2 D) - <u>1.98</u> (M r feet and gall <u>4.54/</u> <u>1.98</u> <u>6.60</u> <u>1.7.7</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u></u>	2 7.51 n.) = [4.5] ons; 0.154 112 10.6 18,1 1.00 110 1.00	i gallons or lit <u> <u> </u> </u>	ers, list product type Grab $\Box$ Baile $2 \circ [163]$ (conv and liters; 0.50 1/25 (a67) 1/25 (a67) 1/25 (a67) 1/25 (a67) 1/25 (a67) 1/25 (a67) (a	r Data section. Cu	Description: <u> <u> </u>73 <u> </u>E.g and liters; Wel <u> </u></u>	al □ liters IID in inches (Final) DPU-3 DU-3 DU-4 DU-	We Wh Meter Type	Ile Purging C Remarks
Field WQ Data       Pu         Casing Volume:       [1/2] ≤ (.T.         Conversion Factor = 0.0408 for         Cum. Vol. Purged         Pumping Rate         Time       (hh:mm; 24-hr clock)         OH       (Temperature Corrected? □)         Temperature       D*C □°F         Dissolved Oxygen       mg/L         I SC or       EC µS/cm         Turbidity       □ NTU         Color/Tint         Odor	well, record volum rge Depth: 2 D) - <u>1.98</u> (M r feet and gall L54/min 1478 G GO 17.7 1.01 1478 1.01 1473 1.01 1473 1.01 1473 1.01 1473 1.01 1473 1.01 1473 1.01 1473 1.01 1473 1.01 1473 1.01 1473 1.01 1.00 1.01 1.00 1.01 1.01 1.00 1.	2 7.51 n.)]\$[4.5] ons; 0.154	gallons or lit         2         (WellHD)         44 for feet         44 for feet         1         44 for feet         1	ers, list product type Grab □ Baile <sup>2</sup> •[./( <i>i</i> /3 (Conv and liters; 0.50 1/2.5 (a.( <i>i</i> .7 <i>i</i> /2.5 (a.( <i>i</i> .7 <i>i</i> /2.5 (a.( <i>i</i> .7 <i>i</i> /2.5 (a.( <i>i</i> .7 <i>i</i> /2.5 ( <i>i</i> /2.5 ( <i>i</i> /2.5) ( <i>i</i> /2.5 ( <i>i</i> /2.5) ( <i>i</i> /2.5 ( <i>i</i> /2.5) ( <i>i</i>	r Data section. Cu I Data section. Cu I Data section. Cu	Description: <u>73</u> E.g and liters; Wel	gal □ liters IID in inches (Final) DPU-3 ORIOL ARIOM DSPAZ Cumulative volume field measuremer field measuremer	Premoved before the second sec	Ile Purging C Remarks
Field WQ Data       Pu         Casing Volume:       [1,5]         Conversion Factor = 0.0408 for         Cum. Vol. Purged         Pumping Rate         Ime       (hh:mm; 24-hr clock)         H       (Temperature Corrected? □)         emperature       Dec □°F         Dissolved Oxygen       mg/L         SC or       EC µS/cm         Urbidity       □ NTU         Color/Tint         Odor	well, record volum rge Depth: $2$ $D_1 - \frac{1.98}{1.98}$ (M r feet and gall $4.54/_{4-1}$ $1.54/_{4-1}$ 1.01	2 7.51 m.) [3 [4.5] ons; 0.154 1.121 1.00 1.121 1.00 1.10 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00	gallons or lit         2         2         2         44 for feet         44 for feet         1         44 for feet         1	ers, list product type         Grab       Baile         2•[.//63 (Conv and liters; 0.50         1/2.5         (-, (-7)         1/2.5         (-, (-7)         1/2.5         (-, (-7)         1/2.5         (-, (-7)         1/2.5         (-, (-7)         1/2.5         (-, (-7)         1/2.5         (-, (-7)         1/2.5         (-, (-7)         1/2.5         (-, (-7)         1/2.5         (-, (-7)         1/2.5         (-, (-7)         1/2.5         (-, (-7)         1/2.5         (-, (-7)         1/2.5         (-, (-7)         1/2.5         1/2.5         1/2.5         1/2.5         1/2.5         1/2.5         1/2.5         1/2.5         1/2.5         1/2.5         1/2.5         1/2.5         1/2.5         1/2.5         1/2.5         1/2.5         1/2.5	r Data section. Cu "Column above for dures, equipment fa mperature (µS/cm).	Description: 73 É. g and liters; Wel 	gal □ liters IID in inches (Final) ITP 4_3 021041 021041 021041 021041 021041 021044 021044 021044 021044 021044 021044 021044	We Wh Meter Type	Ile Purging C Remarks
Field WQ Data       Put         Casing Volume:       [7.5] (T         conversion Factor = 0.0408 for         Cum. Vol. Purged         Pumping Rate         Time       (hh:mm; 24-hr clock)         H       (Temperature Corrected? □)         Temperature       Dec □°F         Dissolved Oxygen       mg/L         SC or       DEC       µS/cm         Turbidity       □ NTU         Color/Tint       Door	well, record volum rge Depth: 2 D) - <u>1.98</u> (M r feet and gall L.54/ IMB C. (20 17, 7 1.01 112.14 Shalt / 20 AVA'O n "Purging Start" ending on box chu Record equipme uS/cm at 25°C); mple Depth: :	2 7.51 m.) [3 [4.5] ons; 0.154 1.121 1.00 1.121 1.00 1.10 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00 1.41 1.00	gallons or lit         2         2         2         44 for feet         44 for feet         1         44 for feet         1	ers, list product type Grab □ Baile <sup>2</sup> •[./( <i>i</i> /3 (Conv and liters; 0.50 1/2.5 (a.( <i>i</i> .7 <i>i</i> /2.5 (a.( <i>i</i> .7 <i>i</i> /2.5 (a.( <i>i</i> .7 <i>i</i> /2.5 (a.( <i>i</i> .7 <i>i</i> /2.5 ( <i>i</i> /2.5 ( <i>i</i> /2.5) ( <i>i</i> /2.5 ( <i>i</i> /2.5) ( <i>i</i> /2.5 ( <i>i</i> /2.5) ( <i>i</i>	r Data section. Cu "Column above for dures, equipment fa mperature (µS/cm).	Description: 73 É. g and liters; Wel 	gal □ liters IID in inches (Final) DPU-3 ORIOL ARIOM DSPAZ Cumulative volume field measuremer field measuremer	We Wh Meter Type	Ile Purging C Remarks
Field WQ Data       Put         Casing Volume:       7.5         conversion Factor = 0.0408 for         Cum. Vol. Purged         Pumping Rate         ime       (hh:mm; 24-hr clock)         H       (Temperature Corrected? □)         remperature       Ime         Dissolved Oxygen       mg/L         I SC or       EC         μSC or       EC         urbidity       NTU         color/Tint       Odor         eccord time purging starts and ends i       ers. Pumping Rate is gpm or Lpm, dep         everage pumping rate during pumping, atter is during urging.       Sat         Field Sample ID       Sat         Field Sample ID       (unique ID on bottles)	well, record volum rge Depth: $2$ $D_1 - \frac{1.98}{1.98}$ (M r feet and gall $4.54/41_{a}$ $1.54/41_{a}$ 1.01 1.02	2 7.51 a) 3 [4.5] ons; 0.154 1.121 1.00 1.18,11 1.00 1.10 1.10 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.015 1.00 1.415 1.00 1.415 1.00 1.	gallons or lit         1         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         44         44         44         45         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         45         46         47         48	ers, list product type Grab Baile Point Baile Point Baile Point Baile Point Baile Point Baile Point Baile Bottles (total to lab)	r Di Pump ersion Factor)] = b66 for meters a b66 for met	Description: 73 Ø.g and liters; Wel and liters; Wel 	al □ liters IID in inches (Final) DDUL3 DDUL3 DDUL3 DDUL3 DDUL4 CALOUT DDUL3 CALOUT DDUL3 CALOUT DDUL3 CALOUT	We Wh Meter Type	Ile Purging C Remarks
Field WQ Data       Put         Casing Volume:       7.5         conversion Factor = 0.0408 for         Cum. Vol. Purged         Pumping Rate         ime       (hh:mm; 24-hr clock)         H       (Temperature Corrected? □)         remperature       Ime         Dissolved Oxygen       mg/L         I SC or       EC         μSC or       EC         urbidity       NTU         color/Tint       Odor         eccord time purging starts and ends i       ers. Pumping Rate is gpm or Lpm, dep         everage pumping rate during pumping, atter is during urging.       Sat         Field Sample ID       Sat         Field Sample ID       (unique ID on bottles)	well, record volum rge Depth: $2$ $D_1 - \frac{1.98}{1.98}$ (M r feet and gall $4.54/41_{a}$ $1.54/41_{a}$ 1.01 1.02	2 7.51 n.) 3 [4.5] ons; 0.154 1.154 1.00 1.1000 1.1000 1.1000 1.1000 1.1000 1.1000 1.1000 1.1000 1.1000 1.1000 1.1000 1	I dailons or lit I S Constraints of lit I S Constraints of literations of liter	ers, list product type Grab □ Baile Point Conv and liters; 0.50 1/2.5 (a.67 b\$.3 1.03 U10 C1,495 C1,495 C1,	r Dump ersion Factor)] = 	Description: 73 Ø.g and liters; Wel and liters; Wel 	al □ liters IID in inches (Final) DDUL3 DDUL3 DDUL3 DDUL3 DDUL4 CALOUT DDUL3 CALOUT DDUL3 CALOUT DDUL3 CALOUT	We Wh Meter Type	Ile Purging C Remarks
Field WQ Data       Put         Casing Volume:       7.5         conversion Factor = 0.0408 for         Cum. Vol. Purged         Pumping Rate         ime       (hh:mm; 24-hr clock)         H       (Temperature Corrected? □)         remperature       Ime         Dissolved Oxygen       mg/L         I SC or       EC         μSC or       EC         urbidity       NTU         color/Tint       Odor         eccord time purging starts and ends i       ers. Pumping Rate is gpm or Lpm, dep         everage pumping rate during pumping.       Sat         Field Sample ID       Sat         Field Sample ID       (unique ID on bottles)	well, record volum rge Depth: $2$ $D_1 - \frac{1.98}{1.98}$ (M r feet and gall $4.54/41_{a}$ $1.54/41_{a}$ 1.01 1.02	2 7.51 a) 3 [4.5] ons; 0.154 1.121 1.00 1.18,11 1.00 1.10 1.10 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.015 1.00 1.415 1.00 1.415 1.00 1.	gallons or lit         1         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         44         44         44         45         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         45         46         47         48	ers, list product type Grab Baile Point Baile Point Baile Point Baile Point Baile Point Baile Point Baile Bottles (total to lab)	r Di Pump ersion Factor)] = b66 for meters a b66 for met	Description: 73 Ø.g and liters; Wel and liters; Wel 	al □ liters IID in inches (Final) DDUL3 DDUL3 DDUL3 DDUL3 DDUL4 CALOUT DDUL3 CALOUT DDUL3 CALOUT DDUL3 CALOUT	We Wh Meter Type	Ile Purging C Remarks
Field WQ Data       Pu         Casing Volume:       7.5 (T         conversion Factor = 0.0408 for         Cum. Vol. Purged         Pumping Rate         Time (hh:mm; 24-hr clock)         H (Temperature Corrected? □)         Temperature         Dissolved Oxygen mg/L         SC or DEC µS/cm         Turbidity         Dolor/Tint         Odor         ecord time purging starts and ends i         ers. Pumping Rate is gpm or Lpm, dep         onductance corrected for temperature (         Sample Data       Sat         Field Sample ID       (unique ID on bottles)	well, record volum rge Depth: $2$ $D_1 - \frac{1.98}{1.98}$ (M r feet and gall $4.54/41_{a}$ $1.54/41_{a}$ 1.01 1.02	2 7.51 a) 3 [4.5] ons; 0.154 1.121 1.00 1.18,11 1.00 1.10 1.10 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.414 1.00 1.015 1.00 1.415 1.00 1.415 1.00 1.	gallons or lit         1         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         44         44         44         45         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         44         1         45         46         47         48	ers, list product type Grab Baile Point Baile Point Baile Point Baile Point Baile Point Baile Point Baile Bottles (total to lab)	r Di Pump ersion Factor)] = b66 for meters a b66 for met	Description: 73 Ø.g and liters; Wel and liters; Wel 	al □ liters IID in inches (Final) DDUL3 DDUL3 DDUL3 DDUL3 DDUL4 CALOUT DDUL3 CALOUT DDUL3 CALOUT DDUL3 CALOUT	We Wh Meter Type	Ile Purging C Remarks
Field WQ Data       Pu         Casing Volume:       [1.5]         Conversion Factor = 0.0408 for         Cum. Vol. Purged         Pumping Rate         Time       (hh:mm; 24-hr clock)         H       (Temperature Corrected? □)         Temperature       Dec □°F         Dissolved Oxygen       mg/L         I SC or       EC □°F         Dissolved Oxygen       mg/L         I SC or       EC □°F         Dissolved Oxygen       mg/L         Otor/Tint       Dolor/Tint         Odor       Dolor/Tint         Odor       Sample Data         Field Sample ID       (unique ID on bottles)         DOM/L-MACL-H501       Sate	well, record volum rge Depth: 2 D) - <u>1.98</u> (M r feet and gall <u>2.54/min</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u> <u>1.01</u>	2 7.51 n.) [3[4.5] ons; 0.154 1.154 1.00 18,11 1.00 1410 1.41 - 4. n.4 NA "and "Purgi ecked in casil nt calibration EC: Electrics 2 7.51 Date (m/d/y) -(1.99	Ing End" col ng volume ce ng volume ce ng volume ce ng volume ce ng volume ce ng thick col ng	ers, list product type Grab □ Baile Point Conv and liters; 0.50 1/2.5 Ca. (c7 1/2.5 Ca. (c7 1/2.5 Ca	r Dump ersion Factor)] = b66 for meters a b66	Description: <u>73</u> El.g and liters; Wel um. Vol. Purget: recording sample um. Vol. Purget: Description: Lab ID C	gal □ liters IID in inches (Final) DPU-3 ORIOM ORIOM DSPAZ Cumulative volume field measuremer field measur	We Wh Meter Type	Ile Purging C Remarks
Field WQ Data       Put         casing Volume:       7.5         onversion Factor = 0.0408 for         Cum. Vol. Purged         Pumping Rate         ime       (hh:mm; 24-hr clock)         H       (Temperature Corrected? □)         emperature       Ime         Vissolved Oxygen       mg/L         I SC or       EC       µS/cm         urbidity       □ NTU         color/Tint       Odor         ecord time purging starts and ends i       ers. Pumping Rate is gpm or Lpm, dep         onductance corrected for temperature (       Sample Data       Sat         Field Sample ID       (unique ID on bottles)       Sat	well, record volum rge Depth: $2$ $D_1 - \frac{1.98}{1.98}$ (M r feet and gall 4.54/4 = 1 1478 6.60 177.7 1.01 1413 11-1451 = 1 11-1451 = 1 11-14	2 7.51 a) 3 [4.5] ons; 0.154 1.121 1.00 1.121 1.00 1.10 1.00 1.10 1.00 1.10 1.00 1.10 1.00 1.10 1.00 1.10 1.00 1.10 1.00 1.10 1.00 1.	and Time mu Spike (# = 1	ers, list product type Grab □ Baile Crab □ Baile Conv and liters; 0.50 Crab Crack Crac	r Ď Pump ersion Factor)] = b66 for meters a b66 for mete	Description: <u>73</u> El.g and liters; Wel and liters; Wel	gal □ liters IID in inches (Final) DP 4-3 OR 1041 AR 104 DS P 42 AR 104 DS P 42 Case ID Case ID Duplicate Sample Duplicate Sample	VVe Wh Meter Type	Remarks Remark