URS

GROUNDWATER SAMPLING DATA SHEET

Project Information Date: 2/13/02 Station ID: MW-3 Page 1 of 1

Project Name:	Former NPD Lab SI	Location:	Troutdale, OR
Project/Task No.:	53F0074212.02	Weather:	clear, 30's
Samplers:	Janette Rau/Larry Namba	Other:	

Gauging and Purging Data

Station Type:	monitoring well	Screen Interval:	~ 4-19'
Well Condition:	plug at ~10-12' btoc	Well Diameter:	2" Annulus Diameter:
Reference Point:	PVC casing Elevation	Gallons per Casing Foot: (2" well: 0.16 gal/ft; 4" well: 0.65 gal/ft)	
Depth to Water:	5.52' Elevation	Gallons per Annulus Foot: (8" annulus with 2" casing = 1.85 gal/ft; 6" annulus with 2" casing = 1.34 gal/ft)	
Depth to Bottom:	~19' btoc Feet of Water:	One Purge Volume:	
Depth to LNAPL:	— Thickness: —	Final Purge Volume:	~2 gallons
LNAPL Description:	—	Purge Method:	bladder pump
Other:		Water Disposal/Qty:	

Containers

Analysis	Type	Primary Qty	MS/MSD Qty
VOCs			
SVOCs			
Pest/PCBs			
Total cyanide			
Total metals			
dissolved metals			
TAL+Sr+Li			

Meter Information

Model & Calibration Date

pH: MicroPurge 2/13/02
ORP:
Conductivity:
DO:
Turbidity:
Temperature:
Other:

Sampling Data

Sample Name:	MW-003
Sample Method:	bladder pump
Tubing Depth:	
Pump Intake Depth:	~~~13' btoc~~ ~9' btoc

QA/QC Samples:

Duplicate:	MW-303 (time 1100)
MS/MSD:	none
Blank:	none
Other:	none

-Could not penetrate plug at 10½' btoc

Field Parameters

Volume (gallons)	Temperature (°C)	pH (SU)	Conductivity (uS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Time (24 hr)	Water Level (Ft below TOC)	Flow Rate (L/min)
0	7.86	5.73	64.9	144	0.25	321.3	0830	5.56	0.200
	8.11	5.60	64.7	148	0.23	228.3	0835	5.56	0.200
	8.34	5.77	65.7	166	0.20	156.4	0840	5.56	0.200
	8.44	5.51	67.8	170	0.24	79.9	0845	5.56	0.200
	8.58	5.49	69.1	174	0.31	34.6	0850	5.56	0.200
	8.65	5.48	69.7	174	0.37	47.3	0855	5.56	0.200
	8.73	5.47	70.5	175	~~0.25~~ 0.36	26.6	0900	5.58	0.200
	8.78	5.48	70.5	176	0.27	16.8	0905	5.58	0.200
	8.93	5.45	71.1	178	0.28	14.5	0910	5.58	0.200
	9.02	5.48	70.3	179	0.23	6.4	0915	5.58	0.200

Comments

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GROUNDWATER SAMPLING DATA SHEET

Project Information

Date: 2/12/02 Station ID: MW-4 Page 1 of 1

Project Name:	Former NPD Lab SI	Location:	Troutdale, OR
Project/Task No.:	53F0074212.02	Weather:	windy, 40's
Samplers:	Janette Rau, Larry Namba	Other:	

Gauging and Purging Data

Station Type:	monitoring well	Screen Interval:	4-19' btoc
Well Condition:	water in monument	Well Diameter:	2"
		Annulus Diameter:	
Reference Point:	PVC	Elevation	
		Gallons per Casing Foot: (2" well: 0.16 gal/ft; 4" well: 0.65 gal/ft)	
Depth to Water:	7.48'	Elevation	
		Gallons per Annulus Foot: (8" annulus with 2" casing = 1.85 gal/ft; 6" annulus with 2" casing = 1.34 gal/ft)	
Depth to Bottom:	18.90'	Feet of Water:	
		One Purge Volume:	
Depth to LNAPL:	NA	Thickness:	—
		Final Purge Volume:	
LNAPL Description:		Purge Method:	
Other:		Water Disposal/Qty:	drum

Containers

Analysis	Type	Primary Qty	MS/MSD Qty
VOCs	VOA	3	Ø
SVOCs	1L amber	1	Ø
total cyanide		1	Ø
total metals *		1	Ø
diss. metals *		1	Ø
Pest/PCBs		1	Ø
*(TAL+Sr+U)			

Meter Information

Model & Calibration Date

pH: Micropurge 2/12/02
ORP:
Conductivity:
DO:
Turbidity:
Temperature:
Other:

Sampling Data

Sample Name:	MW-004
Sample Method:	bladder pump
Tubing Depth:	
Pump Intake Depth:	~14' btoc

QA/QC Samples:

Duplicate:	none
MS/MSD:	
Blank:	
Other:	

Field Parameters

Volume (gallons)	Temperature (°C)	pH (SU)	Conductivity (uS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Time (24 hr)	Water Level (Ft below TOC)	Flow Rate (L/min)
0	10.15	6.60	143.5	-47	0.17	42.9	1440	7.48	0.1
	10.80	6.52	147.9	-104	0.15	16.3	1450	7.48	0.2
	10.92	6.45	165.1	-122	0.13	0.0	1455	7.50	0.2
	10.89	6.37	172.0	-125	0.12	0.0	1500	7.50	0.2
	10.89	6.37	176.7	-129	0.09	0.0	1505	7.50	0.2
	10.90	6.39	178.2	-129	0.08	0.0	1510	7.50	0.2
	10.89	6.34	179.0	-132	0.06	0.0	1515	7.50	0.2

Comments

URS

GROUNDWATER SAMPLING DATA SHEET

Project Information

Date: 9/15/01 Station ID: MW-05 Page 1 of 1

Project Name:	USACE Former NPD lab	Location:	Troutdale OR
Project/Task No.:	53F00 74212.02	Weather:	Sunny 80°F
Samplers:	Janette Rau, Steve Wesley	Other:	

Gauging and Purging Data

Station Type:	monitoring well	Screen Interval:	~5-20' bgs
Well Condition:	Water in monument	Well Diameter:	2" Annulus Diameter:
Reference Point:	BTOC Elevation	Gallons per Casing Foot: (2" well: 0.16 gal/ft; 4" well: 0.65 gal/ft)	
Depth to Water:	Elevation	Gallons per Annulus Foot: (8" annulus with 2" casing = 1.85 gal/ft; 6" annulus with 2" casing = 1.34 gal/ft)	
Depth to Bottom:	Feet of Water:	One Purge Volume:	
Depth to LNAPL:	NA Thickness: —	Final Purge Volume:	
LNAPL Description:	—	Purge Method:	
Other:		Water Disposal/Qty:	

Containers

Analysis	Type	Primary Qty	MS/MSD Qty
VOCs	40ml	3	0
SVOCs	1L	1	1
Pesticides/PCBs	1L	1	1
Total metals	500ml	1	1
Diss. Metals	500ml	1	1
Cyanide	500ml	1	1

Meter Information

Model & Calibration Date

pH: Horiba U-22

ORP:

Conductivity:

DO:

Turbidity:

Temperature:

Other:

Sampling Data

Sample Name:	MW-005
Sample Method:	Bladder pump - low flow
Tubing Depth:	
Pump Intake Depth:	~16' bgs

QA/QC Samples: none

Duplicate:	
MS/MSD:	
Blank:	
Other:	

Field Parameters

Volume (gallons)	Temperature (°C)	pH (SU)	Conductivity (µS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Time (24 hr)	Water Level (Ft below TOC)	Flow Rate (L/min)
0	16.3	5.97	0.235	103	8.85	48	1505		<0.2
	16.2	5.76	0.235	102	8.29	19	1510		
	15.6	5.60	0.237	106	8.67	32	1515		
	15.3	5.61	0.235	101	8.39	18	1520		
	15.1	5.59	0.239	105	8.35	19	1525		
	14.9	5.57	0.242	105	8.42	22	1530		
	14.7	5.58	0.247	105	8.23	22	1535		
	SAMPLES COLLECTED						1540		

Comments

GROUNDWATER SAMPLING DATA SHEET

URS

Project Information Date: 9/15/01 Station ID: MW-006 Page 1 of 1

Project Name:	NPDL	Location:	Troutdale, OR ACOE
Project/Task No.:		Weather:	Sunny, 80°
Samplers:	Steve W	Other:	

Gauging and Purging Data

Station Type:	monitoring	Screen Interval:	5-20
Well Condition:	good	Well Diameter:	2" Annulus Diameter:
Reference Point:	TOC Elevation	Gallons per Casing Foot: (2" well: 0.16 gal/ft; 4" well: 0.65 gal/ft)	
Depth to Water:	12.47 Elevation	Gallons per Annulus Foot: (8" annulus with 2" casing = 1.85 gal/ft; 6" annulus with 2" casing = 1.34 gal/ft)	
Depth to Bottom:	20 Feet of Water:	One Purge Volume:	
Depth to LNAPL:	Thickness:	Final Purge Volume:	
LNAPL Description:		Purge Method:	
Other:		Water Disposal/Qty:	

Containers

Analysis	Type	Primary Qty	MS/MSD Qty
VOC	40ml	3	
SVOC	1L	1	
total metal	500	1	
dissolved mtl	500	1	
cyanide	500	1	
pest/PCB	1L	1	

Meter Information

	Model & Calibration Date
pH:	4.00
ORP:	
Conductivity:	4.49
DO:	
Turbidity:	ø
Temperature:	
Other:	

Sampling Data

Sample Name:	MW-006
Sample Method:	bladder pump - low flow
Tubing Depth:	
Pump Intake Depth:	~ 16 ft

QA/QC Samples:

Duplicate:	
MS/MSD:	
Blank:	
Other:	

Field Parameters

Volume (gallons)	Temperature (°C)	pH (SU)	Conductivity (uS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Time (24 hr)	Water Level (Ft below TOC)	Flow Rate (L/min)
0							1340		
0.26	12.8	6.03	448	170	4.54	30	1345		0.2
0.26	13.0	5.99	465	158	3.86	24	1350		
0.26	12.9	5.98	470	156	3.75	23	1355		
	12.8	5.98	478	153	3.68	23	1400		
	12.8	5.90	500	155	3.42	24	1405		
		SAMPLES COLLECTED					1410		

Comments

GROUNDWATER SAMPLING DATA SHEET

URS

Project Information Date: 9/14/01 Station ID: MC-001 Page 1 of 1

Project Name:	NPDL	Location:	Troutdale
Project/Task No.:	53-F0074212.01	Weather:	warm/cloudy
Samplers:	AZ/JAR	Other:	

Gauging and Purging Data

Station Type:	3/4" temp well	Screen Interval:	4.5 - 19.5
Well Condition:	Good	Well Diameter:	3/4" Annulus Diameter:
Reference Point:	Elevation	Gallons per Casing Foot: (2" well: 0.16 gal/ft; 4" well: 0.65 gal/ft)	
Depth to Water:	10.2' Elevation	Gallons per Annulus Foot: (8" annulus with 2" casing = 1.85 gal/ft; 6" annulus with 2" casing = 1.34 gal/ft)	
Depth to Bottom:	19.5' Feet of Water:	One Purge Volume:	
Depth to LNAPL:	Thickness:	Final Purge Volume:	
LNAPL Description:		Purge Method:	
Other:		Water Disposal/Qty:	

Containers

Analysis	Type	Primary Qty	MS/MSD Qty
VOC	40ml	3	
Cyanide	1/2L	1	
Metals tot	1/2L	1	
Metals Dissolved	1/2L	1	
SVOC	L	1	
PCB/Pest	L	1	

Meter Information

	Model & Calibration Date
pH:	4.0
ORP:	
Conductivity:	4.49
DO:	
Turbidity:	Ø
Temperature:	
Other:	

Sampling Data

Sample Name:	
Sample Method:	
Tubing Depth:	
Pump Intake Depth:	

QA/QC Samples:

Duplicate:	
MS/MSD:	
Blank:	
Other:	

Field Parameters

Volume (gallons)	Temperature (°C)	pH (SU)	Conductivity (uS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Time (24 hr)	Water Level (Ft below TOC)	Flow Rate (L/min)
0	19.1	7.08	.572	75	8.47	190	1905	—	
.26	14.9	6.68	.559	79	7.66	57	1910	—	0.2
	14.8	6.45	.552	83	7.51	23	1915		
	14.7	6.31	.549	87	7.49	16	1920		
	14.6	6.27	.548	89	7.48	14	1925		
	14.5	6.21	.547	89	7.45	12	1930		
		SAMPLES		COLLECTED			1940		

Comments

GROUNDWATER SAMPLING DATA SHEET

URS

Project Information Date: 9/15/01 Station ID: MC-002 Page 1 of 1

Project Name:	NPDL	Location:	Troutdale, OR ACOE
Project/Task No.:		Weather:	Cloudy, 60° showers
Samplers:	Steve W.	Other:	

Gauging and Purging Data

Station Type:	Milrowell	Screen Interval:	5-25
Well Condition:	good	Well Diameter:	3/4" Annulus Diameter:
Reference Point:	TOC Elevation	Gallons per Casing Foot: (2" well: 0.16 gal/ft; 4" well: 0.65 gal/ft)	
Depth to Water:	10.88 Elevation	Gallons per Annulus Foot: (8" annulus with 2" casing = 1.85 gal/ft; 6" annulus with 2" casing = 1.34 gal/ft)	
Depth to Bottom:	20.00 Feet of Water:	One Purge Volume:	
Depth to LNAPL:	Thickness:	Final Purge Volume:	
LNAPL Description:		Purge Method:	
Other:		Water Disposal/Qty:	

Containers

Analysis	Type	Primary Qty	MS/MSD Qty
VOC	40ml	3	
SVOC	1L	1	
Total Metal	500ml	1	
Dissolved Metal	500ml	1	
Pest/PCB	1L	1	
Cyanide	500ml	1	

Meter Information

	Model & Calibration Date
pH:	4.00
ORP:	
Conductivity:	4.49
DO:	
Turbidity:	Ø
Temperature:	
Other:	

Sampling Data

Sample Name:	MC-002
Sample Method:	bladder pump - low flow
Tubing Depth:	
Pump Intake Depth:	16.0

QA/QC Samples:

Duplicate:	same as primary MC 302 @ ___
MS/MSD:	
Blank:	
Other:	rinsate MC-602 @ ___

Field Parameters

Volume (gallons)	Temperature (°C)	pH (SU)	Conductivity (uS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Time (24 hr)	Water Level (Ft below TOC)	Flow Rate (L/min)
0		5.					0945		
0.26	14.3	5.73	655	178	8.31	21	0950		0.2
0.26	14.3	5.89	656	168	8.07	16	0955		
0.26	14.3	6.02	331	162	7.93	13	1000		
0.26	14.3	6.02	331	160	7.85	13	1005		
0.26	14.3	6.06	330	157	7.73	10	1010		
	14.4	6.10	650	154	7.61	9	1015		
	14.4	6.09	649	154	7.48	10	1020		
		SAMPLES		COLLECTED			1025		

Comments

GROUNDWATER SAMPLING DATA SHEET

URS

Project Information Date: 9/14/01 Station ID: MC-003 Page 1 of 1

Project Name:	NPDL	Location:	Troutdale, OR ACOE
Project/Task No.:		Weather:	Sunny, 80°
Samplers:	Steve W, Andy Z	Other:	

Gauging and Purging Data

Station Type:	micro well	Screen Interval:	5 - 20
Well Condition:	good	Well Diameter:	3/4" Annulus Diameter:
Reference Point:	TOC	Elevation	12.38
		Gallons per Casing Foot: (2" well: 0.16 gal/ft; 4" well: 0.65 gal/ft)	
Depth to Water:	12.38	Elevation	
		Gallons per Annulus Foot: (8" annulus with 2" casing = 1.85 gal/ft; 6" annulus with 2" casing = 1.34 gal/ft)	
Depth to Bottom:	20.0	Feet of Water:	One Purge Volume:
Depth to LNAPL:		Thickness:	Final Purge Volume:
LNAPL Description:			Purge Method:
Other:			Water Disposal/Qty:

Containers

Analysis	Type	Primary Qty	MS/MSD Qty
VOC		3	
SVOC		1	
Total Mtl.		1	
Dissolved Mtl		1	
Pest/ PCB		1	
Cyanide		1	

Meter Information

	Model & Calibration Date
pH:	4.00
ORP:	
Conductivity:	4.49
DO:	
Turbidity:	Ø
Temperature:	
Other:	

Sampling Data

Sample Name:	MC-003
Sample Method:	bladder pump / Control. (low flow)
Tubing Depth:	
Pump Intake Depth:	16.50

QA/QC Samples:

Duplicate:	
MS/MSD:	
Blank:	
Other:	

Field Parameters

Volume (gallons)	Temperature (°C)	pH (SU)	Conductivity (uS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Time (24 hr)	Water Level (Ft below TOC)	Flow Rate (L/min)
0							1345		
0.26	21.2	6.51	308	140	13.74	110	1350		0.2
0.26	20.8	6.36	311	149	12.91	74	1355		
0.26	19.1	5.99	341	165	10.52	53	1400		
0.26	18.3	5.94	334	167	9.68	40	1405		
0.26	18.4	5.90	333	170	8.85	29	1410		
0.26	18.7	5.86	334	172	8.74	25	1415		
0.26	18.3	5.84	334	174	8.67	20	1420		
		SAMPLES		COLLECTED			1425		
1.82									

Comments

URS

GROUNDWATER SAMPLING DATA SHEET

Project Information Date: 9/14/01 Station ID: MC-004 Page 1 of 1

Project Name:	NPDL	Location:	Troutdale, OR ACOE
Project/Task No.:		Weather:	Sunny, 85°
Samplers:	Steve W, Andy Z	Other:	

Gauging and Purging Data

Station Type:	Microwell	Screen Interval:	5-20
Well Condition:	good	Well Diameter:	3/4" Annulus Diameter:
Reference Point:	TOC Elevation	Gallons per Casing Foot: (2" well: 0.16 gal/ft; 4" well: 0.65 gal/ft)	
Depth to Water:	11.86 Elevation	Gallons per Annulus Foot: (8" annulus with 2" casing = 1.85 gal/ft; 6" annulus with 2" casing = 1.34 gal/ft)	
Depth to Bottom:	20.00 Feet of Water:	One Purge Volume:	
Depth to LNAPL:	Thickness:	Final Purge Volume:	
LNAPL Description:		Purge Method:	
Other:		Water Disposal/Qty:	

Containers

Analysis	Type	Primary Qty	MS/MSD Qty
SVOC		1	
VOC		3	
Cyanide		1	
Total Metal		1	
Dissolve Metal		1	
pest/PCB		1	

Meter Information

	Model & Calibration Date
pH:	4.00
ORP:	
Conductivity:	4.49
DO:	
Turbidity:	Ø
Temperature:	
Other:	

Sampling Data

Sample Name:	MC-004
Sample Method:	bladder pump - low flow
Tubing Depth:	
Pump Intake Depth:	15.0

QA/QC Samples:

Duplicate:	
MS/MSD:	
Blank:	
Other:	

Field Parameters

Volume (gallons)	Temperature (°C)	pH (SU)	Conductivity (uS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Time (24 hr)	Water Level (Ft below TOC)	Flow Rate (L/min)
0							1520		
0.26	19.4	6.43	311	113	10.35	840	1525		0.2
0.26	18.6	6.36	580	123	9.68	240	1530		
0.26	18.3	6.19	562	137	9.18	130	1535		
0.26	18.5	6.08	546	144	9.03	60	1540		
0.26	18.3	6.04	536	148	8.84	40	1545		
0.26	18.2	6.01	535	149	8.92	37	1550		
0.26	18.2	6.01	535	149	8.81	30	1555		
0.26	18.2	6.05	534	149	9.07	25	1600		
0.26	18.1	6.05	528	149	8.95	26	1605		
		SAMPLES	COLLECTED				1610		
2.34									

Comments

GROUNDWATER SAMPLING DATA SHEET

URS

Project Information

Date: 9/14/01 Station ID: WC-005 Page 1 of ____

Project Name:	NPDL	Location:	Troutdale, OR ACOE
Project/Task No.:		Weather:	Sunny, 85°
Samplers:	Stu Wesly, Andy Z.	Other:	

Gauging and Purging Data

Station Type:	Microwell	Screen Interval:	5-15'
Well Condition:	good	Well Diameter:	3/4" Annulus Diameter:
Reference Point:	TOC Elevation	Gallons per Casing Foot: (2" well: 0.16 gal/ft; 4" well: 0.65 gal/ft)	
Depth to Water:	11.65 Elevation	Gallons per Annulus Foot: (8" annulus with 2" casing = 1.85 gal/ft; 6" annulus with 2" casing = 1.34 gal/ft)	
Depth to Bottom:	20.00 Feet of Water:	One Purge Volume:	
Depth to LNAPL:	Thickness:	Final Purge Volume:	
LNAPL Description:		Purge Method:	
Other:		Water Disposal/Qty:	

Containers

Analysis	Type	Primary Qty	MS/MSD Qty
VOC		3	
SVOC		1	
Total Metal		1	
Dissolved Metal		1	
Cyanide		1	
Pest/PCB		1	

Meter Information

	Model & Calibration Date
pH:	4.00
ORP:	
Conductivity:	4.49
DO:	
Turbidity:	Ø
Temperature:	
Other:	

Sampling Data

Sample Name:	WC-005
Sample Method:	bladder pump - low flow
Tubing Depth:	
Pump Intake Depth:	16.00

QA/QC Samples:

Duplicate:	
MS/MSD:	
Blank:	
Other:	

Field Parameters

Volume (gallons)	Temperature (°C)	pH (SU)	Conductivity (uS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Time (24 hr)	Water Level (Ft below TOC)	Flow Rate (L/min)
0							1700	—	
0.60	18.5	6.20	404	117	10.85	210	1710	—	
0.26	18.7	6.18	416	112	9.31	160	1715	—	
0.26	18.4	5.98	417	116	8.26	52	1720	—	
0.26	18.2	5.92	416	114	8.17	37	1725	—	
.26	18.0	6.08	.417	104	8.06	26	1730	—	
.26	18.0	6.07	417	102	7.97	23	1735		
.26	18.0	6.07	418	102	7.95	21	1740		

Comments

GROUNDWATER SAMPLING DATA SHEET

URS

Date: 4/10/03 Station ID: MW-3 Page 1 of 1

Project Information

Project Name:	Former NPD Lab SI	Location:	~~MW-3~~ Troutdale, OR
Project/Task No.:	33753253	Weather:	45° Rain
Samplers:	Lillyshite, Nimba	Other:	

Gauging and Purging Data

Station Type:	Monitoring well	Screen Interval:	2.85 - 17.85 (bgs)
Well Condition:	Fair, brass plug @ 10.5'	Well Diameter:	2
		Annulus Diameter:	
Reference Point:	Marked PVC	Elevation (MSL)	33.51
		Gallons per Casing Foot: (2" well: 0.16 gal/ft; 4" well: 0.65 gal/ft)	0.16 / 1 PV: 2.21 gal
Depth to Water:	5.16	Elevation	28.35
		Gallons per Annulus Foot: (8" annulus with 2" casing = 1.85 gal/ft; 6" annulus with 2" casing = 1.34 gal/ft)	
Depth to Bottom:	≈ 19	Feet of Water:	13.84
		One Purge Volume:	Low-Flow
Depth to LNAPL:	Not collected	Thickness:	
		Final Purge Volume:	2.5 Liters
LNAPL Description:		Purge Method:	Bladder Pump
Other:		Water Disposal/Qty:	55-gal Drum / 2.5 Liters

Containers

Analysis	Type	Primary Qty	MS/MSD Qty
VOCs	40 mL	3	
SVOCs	1 L	1	
PCB/Pest	1 L	1	
Cyanide	500 mL	1	
Total Metals	500 mL	1	
Dissolved Metals	500 mL	1	

Meter Information

Model & Calibration Date

pH:	QED Micropurge 4/10/03
ORP:	
Conductivity:	
DO:	
Turbidity:	
Temperature:	
Other:	

Sampling Data

Sample Name:	MW-003 @ 1042
Sample Method:	Bladder Pump FEP lined LDPE tubing
Tubing Depth:	12.5 btoc
Pump Intake Depth:	12.5 btoc

QA/QC Samples:

Duplicate:	MW-303 All Analytes @ 1130 (blind time)
MS/MSD:	
Blank:	
Other:	

Field Parameters

Volume ~~(gallons)~~ Ltr	Temperature (°C)	pH (SU)	Conductivity (uS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Time (24 hr)	Water Level (Ft below TOC)	Flow Rate (L/min)
0	12.26	5.49	67.8	281	8.03	42.0	0939	5.17	0.02
0.04	12.29	5.52	75.5	275	7.66	31.1	0949	5.17	0.02
0.06	12.33	5.50	78.3	271	7.27	27.6	0954	5.17	0.02
0.08	12.35	5.47	95.3	270	6.87	17.1	1004	5.17	0.65
0.325 3.25	12.34	5.52	100.9	271	6.50	2.0	1009	5.17	0.65
1.5 ~~6.75~~ ~~6.50~~	11.96	5.52	83.6	269	6.52	0.0	1014	5.17	0.70
1.03 10.25	11.71	5.52	73.7	270	6.57	0.0	1019	5.17	0.70
1.38 13.75	11.51	5.50	65.0	270	6.64	0.0	1024	5.17	0.70
1.73 17.25	11.49	5.48	64.8	271	6.61	0.0	1029	5.17	0.70
2.18 21.75	11.49	5.49	64.8	271	6.94	0.0	1034	5.17	0.70
2.53 25.25	11.61	5.42	63.0	273	6.88	0.0	1039	5.17	0.70

Comments

0.750 Ltr to fill flow-through and Tubing
Metals Analyses include strontium, uranium