ATTACHMENT 4
TZW AND GROUNDWATER FIELD DATA FORMS

Maul Foster & Alongi, Inc.

7223 NE Hazel Dell Avenue, Suite B, Vancouver, WA 98665 (360) 694-2691 Fax. (360) 906-1958

Water Field Sampling Data Sheet

Client Name	Siltronic Corp	**Sample Location**	GP-200
Project #	8128.01.21	**Sampler**	JJP/KRT
Project Name	Area 1 investigation	**Sampling Date**	9/14/2010
Sampling Event	September 2010	**Sample Name**	GP200-W-1.0
Sub Area		**Sample Depth**	1
FSDS QA:	MRM 10/10/10	**Easting** 7624860.212	**Northing** 705435.013 **TOC**

Hydrology/Level Measurements

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW (Product Thickness)	DTB-DTW (Water Column)	Pore Volume (Gallons/ft x Water Column)
9/14/2010	13:10	1.0		3.85		45.15	1.04

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	13:15	0.5	0.2	7.01	19.85	350	6.67	-60.6	255.1
	13:25	1.0	0.2	6.80	19.20	685	0.38	-125.4	41.34
	13:35	2.0	0.2	6.80	19.11	693	0.27	-119.7	28.28
Final Field Parameters	13:50	3.0	0.2	6.78	19.16	699	0.20	-126.4	13.85

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	1:50:00 PM	VOA-Glass	4	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments

TOC- 48.0
WL- 3.85
Mudline- 44.15
WL after purging-3.84
Iron: 4.0 mg/l

Signature

Maul Foster & Alongi, Inc.

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Water Field Sampling Data Sheet

Client Name	Siltronic Corp	**Sample Location**	GP-201
Project #	8128.01.21	**Sampler**	JJP
Project Name	Area 1 investigation	**Sampling Date**	9/20/2010
Sampling Event	September 2010	**Sample Name**	GP201-W-1.0
Sub Area		**Sample Depth**	1
FSDS QA:	MRM 10/10/10	**Easting** 7624857.685	**Northing** 705502.173 **TOC**

Hydrology/Level Measurements

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW (Product Thickness)	DTB-DTW (Water Column)	Pore Volume (Gallons/ft x Water Column)
9/20/2010	14:00	1.0		4.1		48.90	1.12

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	14:31	1.0	0.2	6.83	18.27	1088	0.86	-94.4	59.57
	14:47	2.0	0.2	6.90	18.33	1146	0.23	-120.3	13.14
	15:05	3.0	0.2	6.90	18.31	1145	0.21	-119.4	10.34
Final Field Parameters	15:20	4.0	0.2	6.90	18.59	1157	0.20	-123.2	7.56

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	3:20:00 PM	VOA-Glass	4	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments

TOC- 52.0
WL-4.10
Mudline- 47.90
WL after purging-4.12
Iron: 6.0 mg/l

Signature _____

Maul Foster & Alongi, Inc.

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Water Field Sampling Data Sheet

Client Name	Siltronic Corp	**Sample Location**	GP-202
Project #	8128.01.21	**Sampler**	JJP
Project Name	Area 1 investigation	**Sampling Date**	9/20/2010
Sampling Event	September 2010	**Sample Name**	GP202-W-1.0
Sub Area		**Sample Depth**	1
FSDS QA:	MRM 10/10/10	**Easting** 7624931.978	**Northing** 705502.9 **TOC**

Hydrology/Level Measurements

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW (Product Thickness)	DTB-DTW (Water Column)	Pore Volume (Gallons/ft x Water Column)
9/20/2010	12:00	1.0		3.84		45.16	1.04

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	12:30	1.0	0.2	6.71	18.98	1757	1.22	-95.7	62.65
	12:46	2.0	0.2	6.70	19.21	1794	0.54	-99.7	52.86
	13:00	3.0	0.2	6.70	19.06	1821	0.37	-98.5	37.95
Final Field Parameters	13:20	4.0	0.2	6.71	19.36	1824	0.26	-104.2	31.16

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	1:20:00 PM	VOA-Glass	4	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments

TOC- 48.0
WL- 3.84
Mudline- 44.16
WL after purging- 3.84

Signature

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Water Field Sampling Data Sheet

Client Name	Siltronic Corp	**Sample Location**	GP-203
Project #	8128.01.21	**Sampler**	JJP
Project Name	Area 1 investigation	**Sampling Date**	9/17/2010
Sampling Event	September 2010	**Sample Name**	GP203-W-1.0
Sub Area		**Sample Depth**	1
FSDS QA:	MRM 10/10/10	**Easting** 7624992.049	**Northing** 705470.292 **TOC**

Hydrology/Level Measurements

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW (Product Thickness)	DTB-DTW (Water Column)	Pore Volume (Gallons/ft x Water Column)
9/17/2010	10:20	1.0		4.31		47.39	1.1

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	11:00	1.0	0.2	6.70	19.56	1900	0.51	-73.5	190.4
	11:20	2.0	0.2	6.92	19.02	2009	0.45	-113.9	82.39
	11:35	3.0	0.2	6.95	19.11	2023	0.22	-136.2	68.99
Final Field Parameters	11:50	4.0	0.2	6.96	19.45	2049	0.18	-139.4	15.34

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	11:50:00 AM	VOA-Glass	4	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments

Refusal 1st location, move over 1.75 ft east.
TOC- 52.0 ft
WL-4.31
Mudline- 47.39

Signature _____

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Water Field Sampling Data Sheet

Client Name	Siltronic Corp	**Sample Location**	GP-204
Project #	8128.01.21	**Sampler**	JJP
Project Name	Area 1 investigation	**Sampling Date**	9/20/2010
Sampling Event	September 2010	**Sample Name**	GP204-W-1.0
Sub Area		**Sample Depth**	1
FSDS QA:	MRM 10/10/10	**Easting** 7625005.095	**Northing** 705411.965 **TOC**

Hydrology/Level Measurements

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW (Product Thickness)	DTB-DTW (Water Column)	Pore Volume (Gallons/ft x Water Column)
9/20/2010	10:01	1.0		3.2		49.8	1.1

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	10:17	1.0	0.2	6.75	17.89	1715	0.47	-91.4	29.99
	10:25	2.0	0.2	6.79	18.07	1739	0.27	-111.1	19.56
	10:35	3.0	0.2	6.81	18.36	1745	0.23	-117.1	19.98
Final Field Parameters	10:40	4.0	0.2	6.80	18.40	1744	0.22	-118.1	14.59

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	10:40:00 AM	VOA-Glass	4	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments

TOC- 52.0 ft
WL- 3.20
Mudline- 48.80
WL after purging 3.61ft
Iron: 6.0 mg/l

Signature _____

Maul Foster & Alongi, Inc.

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Water Field Sampling Data Sheet

Client Name	Siltronic Corp	**Sample Location**	GP-205
Project #	8128.01.21	**Sampler**	JJP
Project Name	Area 1 investigation	**Sampling Date**	9/14/2010
Sampling Event	September 2010	**Sample Name**	GP205-W-1.0
Sub Area		**Sample Depth**	1
FSDS QA:	MRM 10/10/10	**Easting** 7625041.362	**Northing** 705260.411 **TOC**

Hydrology/Level Measurements

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW (Product Thickness)	DTB-DTW (Water Column)	Pore Volume (Gallons/ft x Water Column)
9/14/2010	10:50	1.0		3.85		45.15	1.03

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	10:53	0.5	0.2	6.61	18.61	659	1.07	-79.3	250.3
	11:09	1.0	0.2	6.61	18.39	761	0.48	-93.0	22.34
	11:28	2.0	0.2	6.61	18.38	771	0.37	-94.1	14.06
	11:48	3.0	0.2	6.60	18.35	772	0.39	-84.8	14.06
Final Field Parameters	12:00	3.5	0.2	6.60	18.39	772	0.39	-91.8	14.00

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	12:00:00 PM	VOA-Glass	4	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments

TOC- 48.0
WL-3.85
Mudline- 44.15
WL after purging - 3.85
Iron: 5.5 mg/l

Signature _____

Maul Foster & Alongi, Inc.

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Water Field Sampling Data Sheet

Client Name	Siltronic Corp	**Sample Location**	GP-206
Project #	8128.01.21	**Sampler**	JJP/KRT
Project Name	Area 1 investigation	**Sampling Date**	9/14/2010
Sampling Event	September 2010	**Sample Name**	GP206-W-1.0
Sub Area		**Sample Depth**	1
FSDS QA:	MRM 10/10/10	**Easting** 7625130.128	**Northing** 705226.364 **TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
9/14/2010	10:01	1.0		3.2		49.8	1.1

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	8:53	0.5	1.0	6.94	18.30	617	0.51	-143.6	134.7
	9:01	2.0	0.4	6.94	18.33	642	0.63	-139.7	105.2
	9:10	3.0	0.4	6.94	18.19	641	0.55	-133.4	85.34
Final Field Parameters	9:30	3.5	0.2	6.94	18.33	649	0.40	-140.7	83.94

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	9:30:00 AM	VOA-Glass	4	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments

TOC- 52.0
WL- 3.2
Mudline- 48.80
WL after purging - 3.19
Iron: 6.0 mg/l

Signature _____

Maul Foster & Alongi, Inc.

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Water Field Sampling Data Sheet

Client Name	Siltronic Corp	**Sample Location**	GP-207
Project #	8128.01.21	**Sampler**	JJP
Project Name	Area 1 investigation	**Sampling Date**	9/22/2010
Sampling Event	September 2010	**Sample Name**	GP207-W-1.0
Sub Area		**Sample Depth**	1
FSDS QA:	MRM 10/10/10	**Easting** 7625127.202	**Northing** 705128.54 **TOC**

Hydrology/Level Measurements

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW (Product Thickness)	DTB-DTW (Water Column)	Pore Volume (Gallons/ft x Water Column)
9/22/2010	9:00			3.73		46.37	1.06

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	9:25	1.1	0.4	6.40	17.55	557	1.61	153.4	87.11
	9:41	2.2	0.4	6.71	17.67	642	0.70	-53.5	28.63
	9:58	3.3	0.4	6.75	17.75	655	0.47	-77.4	16.12
Final Field Parameters	10:15	4.4	0.4	7.0	17.77	667	0.35	-83.9	13.03

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	10:15:00 AM	VOA-Glass	4	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments

TOC- 49.10
WL- 3.73
Mudline- 45.37
Duplicate taken at this location.
WL after purging 3.74

Signature

Maul Foster & Alongi, Inc.

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Water Field Sampling Data Sheet

Client Name	Siltronic Corp	**Sample Location**	GP-30
Project #	8128.01.21	**Sampler**	JJP/KRT
Project Name	Area 1 investigation	**Sampling Date**	9/15/2010
Sampling Event	September 2010	**Sample Name**	GP30-W-25.0
Sub Area		**Sample Depth**	1
FSDS QA:	MRM 10/10/10	**Easting** 7624838.811	**Northing** 705254.73 **TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
9/15/2010	10:00	69.0		2.69		66.31	1.52

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	10:34	1.0	0.2	6.73	18.38	629	0.55	-95.6	319.1
	10:50	2.0	0.2	6.69	18.66	717	0.42	-98.8	118.1
	11:07	3.0	0.2	6.68	18.45	743	0.28	-95.7	65.22
	11:22	4.0	0.2	6.69	18.64	738	0.29	-93.2	64.33
Final Field Parameters	11:40	5.0	0.2	6.68	18.64	727	0.28	-96.7	63.24

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	11:40:00 AM	VOA-Glass	4	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments

TOC- 44.0
WL- 2.69
Mudline- 41.31
Iron- 4.8 mg/l
WL after purging 2.70

Signature

Maul Foster & Alongi, Inc.

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Water Field Sampling Data Sheet

Client Name	Siltronic Corp	**Sample Location**	GP-30
Project #	8128.01.21	**Sampler**	JJP/KRT
Project Name	Area 1 investigation	**Sampling Date**	9/15/2010
Sampling Event	September 2010	**Sample Name**	GP30-W-50.0
Sub Area		**Sample Depth**	50
FSDS QA:	MRM 10/10/10	**Easting** 7624838.811	**Northing** 705254.73 **TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
9/15/2010	13:00	50.0		2		92.0	2.116

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	13:30	1	0.2	6.76	19.33	671	0.38	-114.3	179.1
	13:47	2.1	0.2	6.74	19.01	701	0.11	-121.2	71.57
	14:05	3.1	0.2	6.75	19.32	715	0.07	-121.9	86.21
	14:25	4.2	0.2	6.76	19.81	730	0.07	-122.1	145.3
Final Field Parameters	15:16	6.3	0.2	6.73	19.90	741	0.10	-119.0	127.0

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	3:16:00 PM	VOA-Glass	4	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments

TOC- 44.0
WL- 2.0
Mudline - 42.0
Iron- 3.8 mg/l
WL after purging 2.10

Signature

Maul Foster & Alongi, Inc.

7223 NE Hazel Dell Avenue, Suite B, Vancouver, WA 98665 (360) 694-2691 Fax. (360) 906-1958

Water Field Sampling Data Sheet

Client Name	Siltronic Corp	**Sample Location**	GP-32
Project #	8128.01.21	**Sampler**	JJP
Project Name	Area 1 investigation	**Sampling Date**	9/16/2010
Sampling Event	September 2010	**Sample Name**	GP32-W-24.0
Sub Area		**Sample Depth**	24
FSDS QA:	MRM 10/10/10	**Easting** 7624975.666	**Northing** 705261.147 **TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
9/16/2010	13:40	24.0					

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	14:10	0.5	0.3	6.61	19.34	501	0.84	-10.3	440.3
	14:30	2.0	0.3	6.51	17.62	637	0.53	-62.9	320.3
	14:50	3.0	0.2	6.56	18.23	660	0.38	-72.7	310.4
	15:10	4.0	0.2	6.38	18.45	674	0.33	-65.7	305.6
	15:35	5.0	0.2	6.28	19.14	676	0.30	-61.0	334.3
Final Field Parameters	15:50	6.0	0.2	6.26	19.11	678	0.28	-64.3	304.8

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Turned flowrate down after 3.0 gallons.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	1:25:00 PM	VOA-Glass	4	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments

TOC- 48.0
WL- 3.84
Mudline- 44.16
Iron- 5.2 mg/l
WL after purging 3.86

Signature _____

Maul Foster & Alongi, Inc.

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Water Field Sampling Data Sheet

Client Name	Siltronic Corp	**Sample Location**	GP-32
Project #	8128.01.21	**Sampler**	JJP
Project Name	Area 1 investigation	**Sampling Date**	9/16/2010
Sampling Event	September 2010	**Sample Name**	GP32-W-2.0
Sub Area		**Sample Depth**	2
FSDS QA:	MRM 10/10/10	**Easting** 7624975.666	**Northing** 705261.147 **TOC**

Hydrology/Level Measurements

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW (Product Thickness)	DTB-DTW (Water Column)	Pore Volume (Gallons/ft x Water Column)
9/16/2010	13:30	2.0		3.84		46.16	1.06

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	12:05	0.25	0.4	7.04	19.42	433	7.45	48.3	543.4
	12:15	1.0	0.4	6.54	18.76	752	0.48	-80.9	388.4
	12:25	2.0	0.2	6.55	18.73	772	0.31	-93.5	320.3
	12:45	3.0	0.2	6.53	19.03	782	0.24	-103.0	240.4
	13:05	4.0	0.2	6.44	19.36	780	0.18	-98.0	83.4
Final Field Parameters	13:25	5.0	0.2	6.45	19.36	781	0.18	-101.6	65.5

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Turned flowrate down after 2.0 gallons.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	1:25:00 PM	VOA-Glass	4	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments

TOC- 48.0
WL- 3.84
Mudline- 44.16
Iron- 4.8 mg/l
WL after purging 3.86

Signature _____

Maul Foster & Alongi, Inc.

7223 NE Hazel Dell Avenue, Suite B, Vancouver, WA 98665 (360) 694-2691 Fax. (360) 906-1958

Water Field Sampling Data Sheet

Client Name	Siltronic Corp	**Sample Location**	GP-38
Project #	8128.01.21	**Sampler**	JJP
Project Name	Area 1 investigation	**Sampling Date**	9/21/2010
Sampling Event	September 2010	**Sample Name**	GP38-W-1.0
Sub Area		**Sample Depth**	1
FSDS QA:	MRM 10/10/10	**Easting** 7624961.426	**Northing** 705314.878 **TOC**

Hydrology/Level Measurements

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW (Product Thickness)	DTB-DTW (Water Column)	Pore Volume (Gallons/ft x Water Column)
9/21/10	16:40			4.46		50.54	1.16

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	16:50	1.0	0.2	7.04	18.50	248	2.42	-12.6	181.5
	17:05	2.0	0.2						
	17:20	1.0	0.2	6.99	17.88	576	0.72	-51.9	13.09
	17:33	2.0	0.2	7.06	18.23	593	0.28	-88.5	6.19
	17:46	3.0	0.2	7.05	18.18	587	0.18	-96.5	6.46
Final Field Parameters	18:00	4.0	0.2	7.02	18.11	585	0.17	-100.2	5.96

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Recalibrated equiptment after 2.0 gallons purged. Cascade tightened geoprobe rods. Then started to purge again.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	1:25:00 PM	VOA-Glass	4	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments

TOC- 54.0
WL- 4.46
Mudline- 49.54
Iron- 5.0 mg/l
WL after purging 4.49

Signature _____

Maul Foster & Alongi, Inc.

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Water Field Sampling Data Sheet

Client Name	Siltronic Corp	**Sample Location**	GP-61
Project #	8128.01.21	**Sampler**	JJP
Project Name	Area 1 investigation	**Sampling Date**	9/17/2010
Sampling Event	September 2010	**Sample Name**	GP61-W-5.0
Sub Area		**Sample Depth**	5
FSDS QA:	MRM 10/10/10	**Easting** 7624908.554	**Northing** 705385.235 **TOC**

Hydrology/Level Measurements

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW (Product Thickness)	DTB-DTW (Water Column)	Pore Volume (Gallons/ft x Water Column)
9/17/2010	13:30	5.0		4.05		52.95	1.06

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	13:43	1.0	0.2	6.79	19.53	675	0.35	-97.0	238.0
	14:00	2.0	0.2	6.76	18.98	671	0.25	-99.5	244.6
	14:15	3.0	0.2	6.76	19.44	672	0.24	-100.6	233.2
Final Field Parameters	14:36	4.0	0.2	6.72	19.35	685	0.18	-100.2	197.1

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	2:36:00 PM	VOA-Glass	4	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments

TOC- 52.0
WL-4.05
Mudline- 47.95
WL after purging 4.06
Iron: 5.9

Signature _____

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Water Field Sampling Data Sheet

Client Name	Siltronic Corp	**Sample Location**	GP-65
Project #	8128.01.21	**Sampler**	JJP
Project Name	Area 1 investigation	**Sampling Date**	9/21/2010
Sampling Event	September 2010	**Sample Name**	GP65-W-1.0
Sub Area		**Sample Depth**	1
FSDS QA:	MRM 10/10/10	**Easting** 7624918.39	**Northing** 705430.008 **TOC**

Hydrology/Level Measurements

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW (Product Thickness)	DTB-DTW (Water Column)	Pore Volume (Gallons/ft x Water Column)
9/12/2010	9:36			3.81		49.29	1.14

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	9:52	1.0	0.2	7.01	18.00	724	0.39	-100.8	140.4
	10:04	2.0	0.2	7.02	17.98	719	0.38	-118.4	18.38
	10:16	3.0	0.2	6.99	18.20	721	0.20	-127.4	14.01
Final Field Parameters	10:30	4.0	0.2	7.06	18.34	721	0.16	-124.3	14.41

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	10:30:00 AM	VOA-Glass	4	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments

TOC- 52.0
WL- 3.81
Mudline- 48.29
Duplicate taken at this location.
WL after purging 3.86

Signature

Maul Foster & Alongi, Inc.

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Water Field Sampling Data Sheet

Client Name	Siltronic Corp	**Sample Location**	GP-65
Project #	8128.01.21	**Sampler**	JJP
Project Name	Area 1 investigation	**Sampling Date**	9/21/2010
Sampling Event	September 2010	**Sample Name**	GP65-W-3.0
Sub Area		**Sample Depth**	3
FSDS QA:	MRM 10/10/10	**Easting** 7624918.39	**Northing** 705430.008 **TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
9/21/2010	13:30	3.0		4.61	50.23	46.16	1.16

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	13:30	1.0	0.2	6.91	18.93	651	0.49	-85.0	120.3
	13:45	2.0	0.2	6.92	18.82	664	0.18	-110.4	67.92
	14:00	3.0	0.2	6.88	19.01	670	0.16	-118.5	52.34
Final Field Parameters	14:15	4.0	0.2	7.00	19.27	675	0.13	-119.9	50.54

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	1:25:00 PM	VOA-Glass	4	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	4	

General Sampling Comments

TOC- 52.02
WL- 4.79
Mudline- 47.23
Iron- 6.0 mg/l
WL after purging 4.21

Signature