SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-19
Depth (ft.): 242
Sampling Zone No.: 1
Starting Time: 1305
Finishing Time: 1325

Date: 7/17/01

Water Pressure Inside MP Casing - Beginning of Session: 14.16
End of Session: 14.14

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe in	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	14.16	✓	45.14	✓	45.12	✓	✓	14.14	1320	8.53	45	23.6	0.363
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/SNT

Well ID: MW-22
Sampling Zone No.: 4
Starting Time: 1000

Depth (ft.): 467
Finishing Time: 1020

Date: 7/19/01

Water Pressure Inside MP Casing - Beginning of Session: 81.76
End of Session: 81.76

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	81.76	✓	126.53	✓	126.55	✓	✓	81.76	1018	8.89	41	21.1	0.310
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1 L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-22
Depth (ft.): 389
Sampling Zone No.: 3
Starting Time: 1025
Finishing Time: 1045

Date: 7/19/01

Water Pressure Inside MP Casing - Beginning of Session: 47.75
End of Session: 47.78

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	47.75	✓	100.68	✓	100.70	✓	✓	47.78	1044	8.98	28	21.2	0.489
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Notes: WATER IS CLEAR, VERY SLIGHT ROTTEN EGG ODOR

Total Volume: 1L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-22 Depth (ft.): 329
Sampling Zone No.: 2
Starting Time: 1050 Finishing Time: 1120

Date: 7/19/01

Water Pressure Inside MP Casing - Beginning of Session: 22.64
End of Session: 22.65

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	22.64	✓	74.62	✓	74.64	✓	✓	22.65	1115	9.05	26	21.1	0.549
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-22
Sampling Zone No.: 1
Starting Time: 1125

Depth (ft.): 245
Finishing Time: 1205

Date: 7/19/01

Water Pressure Inside MP Casing - Beginning of Session: 14.08
End of Session: 14.14

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	14.08	✓	39.80	✓	39.80	✓	✓	14.14	1200	8.44	49	24.7	1.20
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Notes: WATER IS

Total Volume: 1.5 L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-11
Depth (ft.): 524
Sampling Zone No.: 4
Starting Time: ~~10 40~~ 940 7/20/01
Finishing Time: 953

Date: 7/20/01

Water Pressure Inside MP Casing - Beginning of Session: 123.21
End of Session: 123.41

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	123.21	✓	165.13	✓	164.76	✓	✓	123.41	1005	9.36	19	20.3	0.280
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10																			
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1 L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-11
Depth (ft.): 429
Sampling Zone No.: 3
Starting Time: 1015
Finishing Time: 1043

Date: 7/20/01

Water Pressure Inside MP Casing - Beginning of Session: 83.50
End of Session: 83.53

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	83.50	✓	127.30	✓	127.24	✓	✓	83.53	1053	9.16	28	20.1	0.368
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10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-11
Depth (ft.): 259
Sampling Zone No.: 2
Starting Time: 1101
Finishing Time: 1107

Date: 7/20/01

Water Pressure Inside MP Casing - Beginning of Session: 14.14
End of Session: 14.19

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	14.14	✓	60.42	✓	60.42	✓	✓	14.19	1116	8.98	~~0.408~~ 42 7/20/01	21.2	0.408
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-11
Sampling Zone No.: 1
Starting Time: 1123

Depth (ft.): 149
Finishing Time: 1133

Date: 7/20/01

Water Pressure Inside MP Casing - Beginning of Session: 14.09
End of Session: 14.12

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	14.09	✓	27.68	✓	27.60	✓	✓	14.72	1142	8.95	0	23.4	0.494
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12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-12
Depth (ft.): 548
Sampling Zone No.: 5
Starting Time: 1050
Finishing Time: 1112

Date: 7/25/01

Water Pressure Inside MP Casing - Beginning of Session: 134.40
End of Session: 134.41

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	134.40	✓	162.88	✓	162.76	✓	✓	134.41	1143	8.23	58	20.5	0.386
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-12
Sampling Zone No.: 4
Starting Time: 1130

Depth (ft.): 436
Finishing Time: 1143

Date: 7/25/01

Water Pressure Inside MP Casing - Beginning of Session: 85.65
End of Session: 85.73

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	85.65	✓	140.95	✓	140.90	✓	✓	85.73	1151	8.92	2	20.5	0.429
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1 L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-12 Depth (ft.): 323
Sampling Zone No.: 3
Starting Time: 1203 Finishing Time: 1208

Date: 7/25/01

Water Pressure Inside MP Casing - Beginning of Session: 37.48
End of Session: 37.52

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	37.48	✓	97.95	✓	97.96	✓	✓	37.52	1216	9.07	85	20.8	0.446
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: ~~1.5L~~ 7/25/01
1.5L

SOTA Environmental Technology, Inc.

Page 1 of 1

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-12
Sampling Zone No.: 2
Starting Time: 1226

Depth (ft.): 243
Finishing Time: 1238

Date: 7/25/01

Water Pressure Inside MP Casing - Beginning of Session: 14.12
End of Session: 14.15

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	14.12	✓	64.85	✓	64.85	✓	✓	14.15	1245	8.68	3	23.9	0.440
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10																			
11																			
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-12
Sampling Zone No.: 1
Starting Time: 1255

Depth (ft.): 140
Finishing Time: 1311

Date: 7/25/01

Water Pressure Inside MP Casing - Beginning of Session: 14.05
End of Session: 14.09

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	14.05	✓	26.08	✓	26.07	✓	✓	14.09	1318	8.98	27	24.8	0.410
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5L

SOTA Environmental Technology, Inc.

Page 1 of 1

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-24
Sampling Zone No.: 4
Starting Time: 1100

Depth (ft.): 554
Finishing Time: 1135

Date: 7/26/00

Water Pressure Inside MP Casing - Beginning of Session: 116.10
End of Session: 116.31

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	116.10	✓	146.02	✓	146.05	✓	✓	116.31	1150	8.24	26	23.7	0.322
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11																			
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5L

SOTA Environmental Technology, Inc.

Page 1 of 1

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-24
Sampling Zone No.: 3
Starting Time: 1150

Depth (ft.): 435
Finishing Time: 1230

Date: 7/26/01

Water Pressure Inside MP Casing - Beginning of Session: 64.53
End of Session: 63.99

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	64.53	✓	105.30	✓	105.32	✓	✓	64.56	1220	8.79	60	24.1	0.424
2	✓	✓	✓	✓	✓	✓	63.98	✓	105.29	✓	105.30	✓	✓	63.99					
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11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: ~~1.5L~~ 7/26/01
2.75L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: HES/JNT

Well ID: MW-24
Sampling Zone No.: 2
Starting Time: 1245

Depth (ft.): 373
Finishing Time: 1318

Date: 7/26/01

Water Pressure Inside MP Casing - Beginning of Session: 37.49
End of Session:

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	37.49	✓	79.92	✓	79.93	✓	✓	37.52	1305	9.30	26	25.0	0.417
2	✓	✓	✓	✓	✓	✓	36.94	✓	79.91	✓	79.90	✓	✓	36.95					
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9																			
10																			
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12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: ~~1.5 L~~ 2.75 L 7/26/01

SOTA Environmental Technology, Inc.

Page 1 of 1

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-24 Depth (ft.): 279
Sampling Zone No.: 1
Starting Time: 1339 Finishing Time: 1345

Date: 7/26/01

Water Pressure Inside MP Casing - Beginning of Session: 14.07
End of Session: 14.10

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	14.07	✓	42.91	✓	42.89	✓	✓	14.10	1357	8.82	46	28.9	0.401
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10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/SNT

Well ID: MW-4
Depth (ft.): 513
Sampling Zone No.: 5
Starting Time: 0958
Finishing Time: 1004

Date: 7/27/01

Water Pressure Inside MP Casing - Beginning of Session: 138.13
End of Session: 138.20

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	138.13	✓	181.19	✓	181.27	✓	✓	138.20	1012	8.83	54	22.9	0.487
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10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.25L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-4
Sampling Zone No.: 4
Starting Time: 1019

Depth (ft.): 392
Finishing Time: 1025

Date: 7/27/01

Water Pressure Inside MP Casing -
Beginning of Session: 85.43 JNT 7/27/01 ~~102~~
End of Session: 85.68

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	85.43	✓	129.00	✓	129.03	✓	✓	85.68	1030	8.82	46	28.9	0.401
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.25 L

SOTA Environmental Technology, Inc.

Page C of 1

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-4
Sampling Zone No.: 3
Starting Time: 1043

Depth (ft.): 322
Finishing Time: 1047

Date: 7/27/01

Water Pressure Inside MP Casing - Beginning of Session: 55.65
End of Session: 55.66

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	55.65	✓	104.43	✓	104.44	✓	✓	55.66	1057	9.03	69	21.6	0.434
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Notes: WATER IS SLIGHTLY CLOUDY TURBID YELLOW
NO ODOR

Total Volume: 1.5L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MRS/JNT

Well ID: MW-4
Depth (ft.): 240
Sampling Zone No.: 2
Starting Time: 1108
Finishing Time: 1112

Date: 7/27/01

Water Pressure Inside MP Casing - Beginning of Session: ~~70.3~~ 19.89 7/27/01
End of Session: 19.90

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	19.89	✓	70.30	✓	70.30	✓	✓	19.90	1118	8.23	45	21.7	0.403
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-4 Depth (ft.): 150
Sampling Zone No.: 1
Starting Time: 1124 Finishing Time: 1133

Date: 7/27/01

Water Pressure Inside MP Casing - Beginning of Session: 14.12
End of Session: 14.13

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	14.12	✓	36.65	✓	36.62	✓	✓	14.13	1140	8.48	53	24.6	0.410
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-14
Sampling Zone No.: 5
Starting Time: 1115

Depth (ft.): 540
Date: 7/30/01
Finishing Time: 1138

Water Pressure Inside MP Casing - Beginning of Session: 141.50
End of Session: 141.50

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	141.50	✓	168.32	✓	168.32	✓	✓	141.50	1147	9.69	25	21.3	0.284
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.0 L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-14 Depth (ft.): 456
Sampling Zone No.: 4
Starting Time: 1155 Finishing Time: 1203

Date: 7/30/01

Water Pressure Inside MP Casing - Beginning of Session: 105.88
End of Session: 105.91

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	105.88	✓	132.42	✓	132.44	✓	✓	105.91	1212	9.08	46	21.1	0.538
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Notes: WATER IS CLEAR, NO ODOR.

Total Volume: 1.5 L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-14 Depth (ft.): 382
Sampling Zone No.: 3
Starting Time: 1227 Finishing Time: ~~1233~~ 7/30/01 1251 JN

Date: 7/30/01

Water Pressure Inside MP Casing - Beginning of Session: 73.60
End of Session: 73.65

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	73.60	✓	100.40	✓	100.43	✓	✓	73.65	1241	8.94	3	20.8	0.918
2	✓	✓	✓	✓	✓	✓	73.07	✓	100.42	✓	100.44	✓	✓	73.10	~	~	~	~	~
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 2.75 L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MGS / JNT

Well ID: MW-14 Depth (ft.): 277
Sampling Zone No.: 2
Starting Time: 1306 Finishing Time: 1332

Date: 7/30/01

Water Pressure Inside MP Casing - Beginning of Session: 27.81
End of Session: 27.33

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	27.81	✓	55.24	✓	55.24	✓	✓	27.85	1322	8.50	148	22.2	1.27
2	✓	✓	✓	✓	✓	✓	27.30	✓	55.22	✓	55.24	✓	✓	27.33	—				
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 2.75L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-14
Sampling Zone No.: 1
Starting Time: 1350

Depth (ft.): 207
Finishing Time: 1400

Date: 7/30/01

Water Pressure Inside MP Casing - Beginning of Session: 14.07
End of Session: 14.08

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	14.07	✓	25.53	✓	25.54	✓	✓	14.08	1409	7.96	430	26.3	1.25
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/SNT

Well ID: MW-23
Sampling Zone No.: 5
Starting Time: 810

Depth (ft.): 542
Finishing Time: 0847

Date: 7/31/01

Water Pressure Inside MP Casing - Beginning of Session: 161.12
End of Session: 160.19

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	161.12	✓	182.65	✓	182.59	✓	✓	160.19	854	10.97	83	20.2	0.433
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 0.75 L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-23 Depth (ft.): 445
Sampling Zone No.: 4
Starting Time: 0904 Finishing Time: 0911

Date: 7/31/01

Water Pressure Inside MP Casing - Beginning of Session: 119.02
End of Session: 119.05

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	119.02	✓	140.79	✓	140.73	✓	✓	119.05	917	9.66	18	20.1	0.346
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10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.25 L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MGS/SNT

Well ID: MW-23 Depth (ft.): 319
Sampling Zone No.: 3
Starting Time: 0927 Finishing Time: 937

Date: 7/31/01

Water Pressure Inside MP Casing - Beginning of Session: 64.75
End of Session: 64.76

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	64.75	✓	9586	✓	9587	✓	✓	64.76	946	9.66	18	20.6	0.346
2																			
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Notes: WATER IS CLEAR, NO ODOR.

Total Volume: 1.5L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-23
Sampling Zone No.: 2
Starting Time: 0950

Depth (ft.): 254
Finishing Time: 0958

Date: 7/31/01

Water Pressure Inside MP Casing - Beginning of Session: 36.43
End of Session: 36.42

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	~~14.02~~ 14	✓	68.00	✓	68.02	✓	✓	36.42	1006	8.94	5	20.3	0.901
2							36.43												
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5L

SOTA Environmental Technology, Inc.

Groundwater Sampling
Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: MES/JNT

Well ID: MW-23 Depth (ft.): 174
Sampling Zone No.: 1
Starting Time: 1015 Finishing Time: 1022

Date: 7/31/01

Water Pressure Inside MP Casing - Beginning of Session: 14.11
End of Session: 14.15

Run No.	Surface Function Checks					Position Sampler	Sample Collection Checks								Water Quality Parameters				
	Shoe Out	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Pressure in MP 7/31/01	Shoe out	Zone Pressure	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	INT 1015	✓	36.11	✓	36.11	✓	✓	14.15	1031	8.63	39	22.2	0.812
2							14.11												
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5L