SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-19
Sampling Zone No.: 5
Starting Time: 1015

Depth (ft.): 498
Finishing Time: 1057

Date: 1/15/02

Water Pressure Inside MP Casing - Beginning of Session: 79.28
End of Session: 77.25

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	✓	✓	✓	✓	✓	✓	79.28	✓	93.87	✓	93.87	✓	✓	79.28	1042	8.48	802	16.9	0.880
2	✓	✓	✓	✓	✓	✓	77.24	✓	93.89	✓	93.90	✓	✓	77.25					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: NO COLOR OR ODOR

Total Volume: 2.0 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-19
Sampling Zone No.: 4
Starting Time: 1116

Depth (ft.): 444
Finishing Time: 1146

Date: 1/15/02

Water Pressure Inside MP Casing - Beginning of Session: 55.66
End of Session: 53.64

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	✓	✓	✓	✓	✓	✓	55.66	✓	72.24	✓	72.27	✓	✓	55.65	1133	9.04	0	17.1	0.451
2	✓	✓	✓	✓	✓	✓	53.63	✓	72.26	✓	72.28	✓	✓	53.64					
3																			
4																			
5																			
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7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR.

Total Volume: 2.0L

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-19
Sampling Zone No.: 3
Starting Time: 1206

Depth (ft.): 392
Finishing Time: 1338

Date: 1/15/02

Water Pressure Inside MP Casing - Beginning of Session: 32.93
End of Session: 31.34

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	✓	✓	✓	✓	✓	✓	32.93	✓	98.39	✓	98.39	✓	✓	32.94	1237	8.72	163	17.8	0.960
2	✓	✓	✓	✓	✓	✓	32.89	✓	98.37	✓	98.39	✓	✓	32.89					
3	✓	✓	✓	✓	✓	✓	32.85	✓	98.39	✓	98.38	✓	✓	32.89					
4	✓	✓	✓	✓	✓	✓	31.33	✓	98.39	✓	98.39	✓	✓	31.34					
5																			
6																			
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10																			
11																			
12																			

Notes: NO NOTICABLE COLOR OR ODOR

Total Volume: 5.25L

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-19
Sampling Zone No.: 2
Starting Time: 1349

Depth (ft.): 314
Finishing Time: 1419

Date: 1/15/02

Water Pressure Inside MP Casing - Beginning of Session: 14.14
End of Session: 14.17

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	✓	66.40	✓	66.40	✓	✓	14.14	1419	8.30	164	15.9	0.733
2	✓	✓	✓	✓	✓	✓	14.16	✓	66.39	✓	66.39	✓	✓	14.17					
3																			
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5																			
6																			
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9																			
10																			
11																			
12																			

Notes: NO NOTICABLE COLOR OR ODOR

Total Volume: 2.0L

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
Sampling Zone No.: 1
Starting Time: 1512

Depth (ft.): 242
Finishing Time: 1539

Date: 1/15/02

Water Pressure Inside MP Casing - Beginning of Session: 14.13
End of Session: 14.18

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	✓	✓	✓	✓	✓	✓	14.13	✓	38.38	✓	3838	✓	✓	14.18	1539	9.02	161	16.6	0.391
2	✓	✓	✓	✓	✓	✓	14.13	✓	38.40	✓	38.40	✓	✓	14.18					
3																			
4																			
5																			
6																			
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9																			
10																			
11																			
12																			

Notes: WATER HAS A YELLOW TINT/NO ODOR

Total Volume: 2.0L

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-20
Sampling Zone No.: 5
Starting Time: 0930

Depth (ft.): 900
Finishing Time: 1026

Date: 1/16/02

Water Pressure Inside MP Casing - Beginning of Session: 308.45
End of Session: 306.39

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	✓	✓	✓	✓	✓	✓	308.45	✓	310.41	✓	310.41	✓	✓	308.46	1010	10.60	232	15.9	0.403
2	✓	✓	✓	✓	✓	✓	306.40	✓	310.44	✓	310.44	✓	✓	306.39					
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4																			
5																			
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8																			
9																			
10																			
11																			
12																			

Notes: NO NOTICABLE COLOR OR ODOR

Total Volume: 2.0L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-20
Sampling Zone No.: 4
Starting Time: 1053

Depth (ft.): 700
Finishing Time: 1131

Date: 1/16/02

Water Pressure Inside MP Casing - Beginning of Session: 212.37
End of Session: 219.28

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	✓	✓	✓	✓	✓	✓	221.35	✓	212.37	✓	212.30	✓	✓	221.39	1131	~~10.60~~ 10.54 JVT	101	15.9	.472
2	✓	✓	✓	✓	✓	✓	219.33	✓	212.37	✓	212.37	✓	✓	219.28					
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7																			
8																			
9																			
10																			
11																			
12																			

Notes: NO NOTICABLE COLOR OR ODOR

Total Volume: 2.0L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-20
Sampling Zone No.: 3
Starting Time: 1146
Depth (ft.): 562
Finishing Time: 1225

Date: 1/16/02

Water Pressure Inside MP Casing - Beginning of Session: 161.21
End of Session: 159.19

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	✓	✓	✓	✓	✓	✓	161.21	✓	160.99	✓	161.00	✓	✓	161.20	1225	9.20	-10	17.0	0.632
2	✓	✓	✓	✓	✓	✓	159.17	✓	161.03	✓	161.04	✓	✓	159.19					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: NO COLOR OR ODOR

Total Volume: 2.0L

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-20
Sampling Zone No.: 2
Starting Time: 1242

Depth (ft.): 392
Finishing Time: 1501

Date: 1/16/02

Water Pressure Inside MP Casing - Beginning of Session: 87.10
End of Session: 85.15

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	✓	✓	✓	✓	✓	✓	87.10	✓	91.66	✓	91.75	✓	✓	87.14	1450	9.60	84	17.2	0.327
2	✓	✓	✓	✓	✓	✓	85.14	✓	91.76	✓	91.76	✓	✓	85.15					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER CLEAR - NO ODOR

Total Volume: 2.0L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-20
Sampling Zone No.: 1
Starting Time: 1518

Depth (ft.): 230
Finishing Time: 1600

Date: 1/16/02

Water Pressure Inside MP Casing - Beginning of Session: 16.39
End of Session: 15.39

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	✓	✓	✓	✓	✓	✓	16.39	✓	21.39	✓	21.41	✓	✓	16.39	1545	9.12	~~10~~ ERROR	16.9	0.851
2	✓	✓	✓	✓	✓	✓	15.34	✓	21.37	✓	21.39	✓	✓	15.39					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: NO NOTICABLE COLOR OR ODOR

Total Volume: 2.5L

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-14
Sampling Zone No.: 5
Starting Time: 1000

Depth (ft.): 540
Finishing Time: 1050

Date: 1/18/02

Water Pressure Inside MP Casing - Beginning of Session: 142.38
End of Session: 140.32

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	✓	✓	✓	✓	✓	✓	142.38	✓	168.61	✓	168.61	✓	✓	142.39	1038	9.04	27	17.3	0.256
2	✓	✓	✓	✓	✓	✓	140.30	✓	168.60	✓	168.60	✓	✓	140.32					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR — NO ODOR

Total Volume: 2.0L

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: 1102
Finishing Time: 1132

Date: 1/18/02

Water Pressure Inside MP Casing - Beginning of Session: 105.68
End of Session: 103.64

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	✓	✓	✓	✓	✓	✓	105.68	✓	132.12	✓	132.12	✓	✓	105.67	1123	8.78	0	18.6	0.512
2	✓	✓	✓	✓	✓	✓	103.62	✓	132.12	✓	132.13	✓	✓	103.64					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR - NO ODOR

Total Volume: 2.0L

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.: 3
Starting Time: 1144

Depth (ft.): 382
Finishing Time: 1217

Date: 1/18/02

Water Pressure Inside MP Casing - Beginning of Session: 73.75
End of Session: 71.31

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	✓	✓	✓	✓	✓	✓	73.35	✓	99.99	✓	100.00	✓	✓	73.37	1212	8.87	28	18.5	1.01
2	✓	✓	✓	✓	✓	✓	71.33	✓	99.98	✓	100.00	✓	✓	71.31					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: NO COLOR OR ODOR

Total Volume: 2.0L

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.: 2
Starting Time: 1227

Depth (ft.): 277
Finishing Time: 1254

Date: 1/18/02

Water Pressure Inside MP Casing - Beginning of Session: 27.49
End of Session: 25.43

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	✓	✓	✓	✓	✓	✓	27.49	✓	54.08	✓	54.09	✓	✓	27.49	1246	8.67	34	18.7	1.16
2	✓	✓	✓	✓	✓	✓	25.40	✓	54.09	✓	54.09	✓	✓	25.43					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: NO NOTICABLE COLOR OR ODOR

Total Volume: 2.0L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-14
Sampling Zone No.: 1
Starting Time: 13

Depth (ft.): 207
Finishing Time: 1350

Date: 1/10/02

Water Pressure Inside MP Casing - Beginning of Session: 14.15
End of Session: 14.20

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	✓	✓	✓	✓	✓	✓	14.15	✓	23.54	✓	23.54	✓	✓	14.21	1336	8.14	1	19.9	1.28
2	✓	✓	✓	✓	✓	✓	14.15	✓	23.52	✓	23.53	✓	✓	14.21					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR - NO ODOR

Total Volume: 2.5L

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
Sampling Zone No.: 1
Starting Time: 1457

Depth (ft.): 140
Finishing Time: 1551

Date: 1/22/02

Water Pressure Inside MP Casing - Beginning of Session: 14.10
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	✓	✓	✓	✓	✓	✓	14.10	✓	20.32	✓	20.35	✓	✓	14.11		9.04	0	16.5	0.330
2	✓	✓	✓	✓	✓	✓	14.06	✓	20.33	✓	20.35	✓	✓	14.12					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: NO NOTICABLE COLOR OR ODOR

Total Volume: 2.0L

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.: 2
Starting Time: 1345
Depth (ft.): 243
Finishing Time: 1445
Date: 1/22/02

Water Pressure Inside MP Casing - Beginning of Session: 14.14
End of Session: 14.20

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	✓	✓	✓	✓	✓	✓	14.14	✓	63.65	✓	63.35	✓	✓	14.15	1440	9.13	0	17.5	0.395
2	✓	✓	✓	✓	✓	✓	14.10	✓	63.35	✓	63.36	✓	✓	14.16					
3	✓	✓	✓	✓	✓	✓	14.12	✓	63.36	✓	63.35	✓	✓	14.20					
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: NO NOTICABLE COLOR OR ODOR

Total Volume: 4.0L

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.: 3
Starting Time: 1257

Depth (ft.): 323
Finishing Time: 1334

Date: 1/22/02

Water Pressure Inside MP Casing - Beginning of Session: 39.64
End of Session: 37.59

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	✓	✓	✓	✓	✓	✓	39.64	✓	98.15	✓	98.16	✓	✓	39.63					
2	✓	✓	✓	✓	✓	✓	37.58	✓	98.13	✓	98.14	✓	✓	37.59					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: NO NOTICABLE COLOR OR ODOR

Total Volume: 2.0L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-12
Sampling Zone No.: 4
Starting Time: 1154

Depth (ft.): 436
Finishing Time: 1245

Date: 1/22/02

Water Pressure Inside MP Casing - Beginning of Session: 88.98
End of Session: 86.95

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	✓	✓	✓	✓	✓	✓	88.98	✓	147.33	✓	147.20	✓	✓	89.00	1220	9.06	-10	18.4	0.387
2	✓	✓	✓	✓	✓	✓	86.95	✓	147.30	✓	147.28	✓	✓	86.95					
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Notes: NO NOTICABLE COLOR OR ODOR

Total Volume: 2.0L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-12
Sampling Zone No.: 5
Starting Time: 1030

Depth (ft.): 548
Finishing Time: 1138

Date: 1/22/02

Water Pressure Inside MP Casing - Beginning of Session: 135.36
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	✓	✓	✓	✓	✓	✓	135.36	✓	192.96	✓	189.80	✓	✓	137.31	1126	8.75	-10	17.7	0.338
2	✓	✓	✓	✓	✓	✓	137.80	✓	192.94	✓	192.94	✓	✓	137.81	1145	9.02	~~*~~ 3	18.4	0.354
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Notes: NO NOTICABLE COLOR OR ODOR

Total Volume: 3.0L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: NES/JWT

Well ID: MW-23
Sampling Zone No.: 5
Starting Time: 0930

Depth (ft.): 542
Finishing Time: 1055

Date: 1/23/02

Water Pressure Inside MP Casing - Beginning of Session: 161.65
End of Session: 159.52

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	✓	✓	✓	✓	✓	✓	161.65	✓	191.48	✓	191.46	✓	✓	161.65	1050	10.69	28	17.2	0.387
2	✓	✓	✓	✓	✓	✓	159.53	✓	191.49	✓	191.29	✓	✓	159.52					
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Notes: NO NOTICABLE COLOR OR ODOR

Total Volume: 2.0L

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-23 Depth (ft.): 445
Sampling Zone No.: 4
Starting Time: 1115 Finishing Time: 1207

Date: 1/23/02

Water Pressure Inside MP Casing - Beginning of Session: 119.32
End of Session: 117.24

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	✓	✓	✓	✓	✓	✓	119.32	✓	149.76	✓	149.76	✓	✓	119.34	1205	9.27	28	15.8 ~~17.8~~	0.335
2	✓	✓	✓	✓	✓	✓	117.23	✓	149.76	✓	149.75	✓	✓	117.24					
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Notes: NO NOTICABLE COLOR OR ODOR

Total Volume: 2.0L

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.: 3
Starting Time: 1222

Depth (ft.): 319
Finishing Time: 1330

Date: 1/23/02

Water Pressure Inside MP Casing - Beginning of Session: 64.38
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	✓	✓	✓	✓	✓	✓	64.38	✓	96.34	✓	96.35	✓	✓	64.36	1252	8.92	28	15.9	0.389
2	✓	✓	✓	✓	✓	✓	64.34	✓	96.35	✓	96.35	✓	✓	64.34					
3	✓	✓	✓	✓	✓	✓	62.77	✓	96.35	✓	96.36	✓	✓	62.80					
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Notes: NO NOTICABLE COLOR OR ODOR

Total Volume: 3.75L

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-23 Depth (ft.): 254
Sampling Zone No.: 2
Starting Time: 1345 Finishing Time: 1415

Date: 1/23/02

Water Pressure Inside MP Casing - Beginning of Session: 35.94
End of Session: 33.88

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	✓	✓	✓	✓	✓	✓	35.94	✓	67.88	✓	67.87	✓	✓	35.92	1410	8.57	Ø	16.2	1.02
2	✓	✓	✓	✓	✓	✓	33.89	✓	67.88	✓	67.88	✓	✓	33.88					
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Notes: NO NOTICABLE COLOR OR ODOR

Total Volume: 2.0L

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.: 1
Starting Time: 1430

Depth (ft.): 174
Finishing Time: 1506

Date: 1/23/02

Water Pressure Inside MP Casing - Beginning of Session: 14.20
End of Session: 14.24

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	✓	✓	✓	✓	✓	✓	14.20	✓	32.15	✓	32.15	✓	✓ 14.22 →		1505	8.59	27	15.8	1.21
2	✓	✓	✓	✓	✓	✓	14.19	✓	32.13	✓	32.14	✓	✓	14.24					
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Notes: NO NOTICABLE COLOR OR ODOR

Total Volume: 2.25L