SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PZS | JNT

Well ID: MW-4
Sampling Zone No.: 5
Starting Time: 1305

Depth (ft.): 513
Finishing Time: 1330

Date: 10/18/01

Water Pressure Inside MP Casing - Beginning of Session: 138.29
End of Session: 138.33

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	✓	✓	✓	✓	✓	✓	138.29	✓	176.12	✓	176.20	✓	✓	138.33	1325	8.92	48	20.5	.464
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PEJ/JUT

Well ID: MW-4
Sampling Zone No.: 4
Starting Time: 1333

Depth (ft.): 392
Finishing Time: 1355

Date: 10/18/01

Water Pressure Inside MP Casing - Beginning of Session: 85.62
End of Session: 85.63

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	✓	✓	✓	✓	✓	✓	85.62	✓	123.90	✓	123.93	✓	✓	85.63	1350	8.81	6	21.9	.442
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PRJ JNT

Well ID: MW-4
Sampling Zone No.: 3
Starting Time: 1400

Depth (ft.): 322
Finishing Time: 1418

Date: 10/18/01

Water Pressure Inside MP Casing - Beginning of Session: 55.58
End of Session: 55.62

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	✓	✓	✓	✓	✓	✓	5558	✓	98.90	✓	98.91	✓	✓	55.62	1415	7.87	52	22.2	.399
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER HAD A SLIGHT ORANGE TINT, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-4 2
Sampling Zone No.:
Starting Time: 1420

Depth (ft.): 240
Finishing Time: 1500

Date: 10/18/01

Water Pressure Inside MP Casing - Beginning of Session: 19.84
End of Session: 18.84

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	✓	✓	✓	✓	✓	✓	19.84	✓	64.27	✓	64.28	✓	✓	19.85	1440	8.20	53	22.1	.740
2	✓	✓	✓	✓	✓	✓	18.81	✓	64.27	✓	64.29	✓	✓	18.84					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: MS/MSD SAMPLE, WATER HAD A SLIGHT PINK TINT, NO ODOR

Total Volume: 3 1.5 LITERS PRJ

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PKJ | JNT

Well ID: MW-4
Sampling Zone No.: 1
Starting Time: 1505
Depth (ft.): 150
Finishing Time: 1345

Date: 10/18/01

Water Pressure Inside MP Casing - Beginning of Session: 14.12
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	✓	✓	✓	✓	✓	✓	14.12	✓	28.06	✓	28.08	✓	✓	14.11	1325	8.54	47	24.2	.357
2	✓	✓	✓	✓	✓	✓	14.13	✓	28.07	✓	28.09	✓	✓	14.14					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes:
MW-4-1D IS A FIELD DUPLICATE, TAKEN AFTER REGULAR SAMPLE (MW-4-1) WATER IS CLEAR, NO ODOR

Total Volume: 3 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PRJ | JNT

Well ID: MW-22
Sampling Zone No.: 4
Starting Time: 0930

Depth (ft.): 467
Finishing Time: 0953

Date: 10/19/01

Water Pressure Inside MP Casing - Beginning of Session: 81.83
End of Session: 81.85

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	✓	✓	✓	✓	✓	✓	81.83	✓	119.99	✓	119.99	✓	✓	81.85	0950	8.81	54	19.8	.323
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, STRONG ROTTEN EGG ODOR

Total Volume: 1 LITER

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PEJ JNT

Well ID: MW-22
Sampling Zone No.: 3
Starting Time: 0955

Depth (ft.): 389
Finishing Time: 1012

Date: 10/19/01

Water Pressure Inside MP Casing - Beginning of Session: 48.39
End of Session: 48.39

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	✓	✓	✓	✓	✓	✓	48.39	✓	94.06	✓	94.08	✓	✓	48.39	1010	8.86	5	19.9	.481
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1 LITER

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-22
Sampling Zone No.: 2
Starting Time: 1014

Depth (ft.): 329
Finishing Time: 1035

Date: 10/19/01

Water Pressure Inside MP Casing - Beginning of Session: 23.27
End of Session: 23.27

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	✓	✓	✓	✓	✓	✓	23.27	✓	~~66.9~~ PRS	✓	67.87	✓	✓	23.27	1033	8.87	50	19.8	.565
2									67.88										
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-22
Sampling Zone No.: 1
Starting Time: 1038

Depth (ft.): 245
Finishing Time: 1100

Date: 10/19/01

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	✓	31.18	✓	31.21	✓	✓	14.12	1055	8.15	8	20.0	1.17
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PRS JNT

Well ID: MW-14
Depth (ft.): 540
Sampling Zone No.: 5
Starting Time: 1030
Finishing Time: 1112
Date: 10/22/01

Water Pressure Inside MP Casing - Beginning of Session: 141.19
End of Session: 141.20

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 PRS	Shoe out	Zone Pressure PRS	Open Valve	Zone Pressure	Close Valve	Shoe In	Pressure in MP	Time	pH	Turbidity (NTU)	Temperature (°C)	Conductivity (mmhos)
1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	165.23	✓	✓	141.20	1110	9.22	11	19.8	.332
2							141.19		165.23										
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1 LITER

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-14
Sampling Zone No.: 4
Starting Time: 1115

Depth (ft.): 456
Finishing Time: 1153

Date: 10/22/01

Water Pressure Inside MP Casing - Beginning of Session: 105.63
End of Session: 105.64

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	✓	✓	✓	✓	✓	✓	105.63	✓	129.00	✓	129.00	✓	✓	105.64	1150	8.87	6	19.9	.547
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-14
Sampling Zone No.: 3
Starting Time: 1155

Depth (ft.): 382
Finishing Time: 1255

Date: 10/22/01

Water Pressure Inside MP Casing - Beginning of Session: 73.35
End of Session: 73.38

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	✓	96.90	✓	96.90	✓	✓	73.38	1250	8.66	55	21.0	1.08
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-14 2
Sampling Zone No.: 2
Starting Time: 1300
Depth (ft.): 277
Finishing Time: 1322
Date: 10/22/01

Water Pressure Inside MP Casing - Beginning of Session: 27.60
End of Session: 27.60

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	✓	✓	✓	✓	✓	✓	27.60	✓	51.11	✓	51.10	✓	✓	27.60	1320	8.81	53	20.9	1.26
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PRS | JNT

Well ID: MW-14
Sampling Zone No.: 1
Starting Time: 1328

Depth (ft.): 207
Finishing Time: 1357

Date: 10/22/01

Water Pressure Inside MP Casing - Beginning of Session: 14.11
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	✓	✓	✓	✓	✓	✓	14.11	✓	20.60	✓	20.62	✓	✓	14.12	1355	8.04	3	23.7	1.32
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-12
Sampling Zone No.: 5
Starting Time: 1130

Depth (ft.): 548
Finishing Time: 1220

Date: 10/23/01

Water Pressure Inside MP Casing - Beginning of Session: 134.22
End of Session: 134.24

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	✓	✓	✓	✓	✓	✓	134.22	✓	158.04	✓	158.04	✓	✓	134.24	1215	8.72	8	20.2	.426
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1 LITER

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: DRS | JWT

Well ID: MW-12
Sampling Zone No.: 4
Starting Time: 1223

Depth (ft.): 436
Finishing Time: 1250

Date: 10/23/01

Water Pressure Inside MP Casing - Beginning of Session: 85.49
End of Session: 85.48

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	✓	✓	✓	✓	✓	✓	85.49	✓	135.82	✓	135.84	✓	✓	85.48	1246	8.93	51	20.4	.420
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1 LITER

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-12
Sampling Zone No.: 3
Starting Time: 1253

Depth (ft.): 323
Finishing Time: 1425

Date: 10/23/01

Water Pressure Inside MP Casing - Beginning of Session: 37.26
End of Session: PRS ~~37.27~~ 36.71

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	✓	✓	✓	✓	✓	✓	37.26	✓	92.03	✓	92.03	✓	✓	37.27	1345	8.83	7	19.9	.441
2	✓	✓	✓	✓	✓	✓	36.71	✓	92.03	✓	92.03	✓	✓	36.71					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: MS/MSD SAMPLE WATER IS CLEAR, NO ODOR

Total Volume: 3 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PRS | JLT

Well ID: MW-12
Sampling Zone No.: 2
Starting Time: 1430

Depth (ft.): 243
Finishing Time: 1515

Date: 10/23/01

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	✓	58.22	✓	58.22	✓	✓	14.13	1500	8.74	5	23.2	.439
2	✓	✓	✓	✓	✓	✓	14.06	✓	58.24	✓	58.25	✓	✓	14.08					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: MW-12-2D IS A FIELD DUPLICATE, TAKEN AFTER REGULAR SAMPLE (MW-12-2) WATER IS CLEAR, NO ODOR

Total Volume: 3 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PBS | JNT

Well ID: MW-12
Sampling Zone No.: 1
Starting Time: 1520

Depth (ft.): 140
Finishing Time: 1605

Date: 10/23/01

Water Pressure Inside MP Casing - Beginning of Session: 14.03
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	✓	✓	✓	✓	✓	✓	14.03	✓	16.16	✓	1620	✓	✓	14.10	1550	8.89	57	22.3	.379
2	✓	✓	✓	✓	✓	✓	14.05	✓	16.17	✓	16.21	✓	✓	14.10					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITER

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

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

Depth (ft.): 542
Finishing Time: 1045

Date: 10/24/01

Water Pressure Inside MP Casing - Beginning of Session: 159.93
End of Session: 159.93

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	✓	✓	✓	✓	✓	✓	159.93	✓	178.14	✓	178.19	✓	✓	159.93	1040	10.12	11	20.4	.356
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1 LITER

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-23
Sampling Zone No.: 4
Starting Time: 1047

Depth (ft.): 445
Finishing Time: 1218

Date: 10/24/01

Water Pressure Inside MP Casing - Beginning of Session: 118.77
End of Session: 118.79

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	✓	✓	✓	✓	✓	✓	118.71	✓	136.40	✓	136.39	✓	✓	118.79	1215	8.85	84	21.5	.357
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-23
Sampling Zone No.: 3
Starting Time: 1220

Depth (ft.): 319
Finishing Time: 1400

Date: 10/24/01

Water Pressure Inside MP Casing - Beginning of Session: 64.59
End of Session: 63.97

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	✓	✓	✓	✓	✓	✓	64.49	✓	91.05	✓	91.08	✓	✓	64.50	1310	8.75	71	21.9	.390
2	✓	✓	✓	✓	✓	✓	63.94	✓	91.05	✓	91.07	✓	✓	63.97					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: MS/MSD Sample WATER IS CLEAR, NO ODOR

Total Volume: 3 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PRS | JNT

Well ID: MW-23
Sampling Zone No.: 2
Starting Time: 1407

Depth (ft.): 254
Finishing Time: 1500

Date: 10/24/01

Water Pressure Inside MP Casing - Beginning of Session: 36.10
End of Session: 35.58

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	✓	✓	✓	✓	✓	✓	36.10	✓	62.89	✓	62.90	✓	✓	36.11	1430	8.38	10	21.1	1.05
2	✓	✓	✓	✓	✓	✓	35.57	✓	62.84	✓	62.91	✓	✓	35.58					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: MW-23-2D IS A FIELD DUPLICATE, TAKEN AFTER REGULAR SAMPLE (MW-23-2) WATER IS CLEAR, NO ODOR

Total Volume: 3 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PRS | JNT

Well ID: MW-23
Sampling Zone No.: 1
Starting Time: 1505

Depth (ft.): 174
Finishing Time: 1540

Date: 10/24/01

Water Pressure Inside MP Casing - Beginning of Session: 14.07
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	✓	✓	✓	✓	✓	✓	14.07	✓	29.09	✓	29.09	✓	✓	14.14	1530	8.18	8	22.8	1.22
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-11 4
Sampling Zone No.: 4
Starting Time: 1030
Depth (ft.): 524
Finishing Time: 1148
Date: 10/25/01

Water Pressure Inside MP Casing -
Beginning of Session: 123.30
End of Session: 123.32

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	✓	✓	✓	✓	✓	✓	123.30	✓	158.73	✓	158.74	✓	✓	123.32	1145	9.35	57	21.4	.355
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1 LITER

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PRJ / JUT

Well ID: MW-11
Sampling Zone No.: 3
Starting Time: 1150
Depth (ft.): 429
Finishing Time: 1255
Date: 10/25/01

Water Pressure Inside MP Casing - Beginning of Session: 83.39
End of Session: 83.40

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	✓	✓	✓	✓	✓	✓	83.39	✓	120.96	✓	120.95	✓	✓	83.40	1250	8.66	9	22.8	.373
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-11
Sampling Zone No.: 2
Starting Time: 1300
Depth (ft.): 259
Finishing Time: ~~1300~~ 1403 PRJ
Date: 10/25/01

Water Pressure Inside MP Casing - Beginning of Session: 14.15
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	✓	✓	✓	✓	✓	✓	14.15	✓	53.06	✓	53.06	✓	✓	14.15	1400	8.39	12	23.0	.396
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PRJ | JNT

Well ID: MW-11
Sampling Zone No.: 1
Starting Time: 1405

Depth (ft.): 149
Finishing Time: 1445

Date: 10/25/01

Water Pressure Inside MP Casing - Beginning of Session: 14.09
End of Session: 14.11

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	✓	22.31	✓	22.33	✓	✓	14.11	1435	9.00	15	22.3	.491
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-24
Sampling Zone No.: 4
Starting Time: 0930
Depth (ft.): 554
Finishing Time: 1022
Date: 10/26/01

Water Pressure Inside MP Casing - Beginning of Session: 115.62
End of Session: 115.62

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	✓	✓	✓	✓	✓	✓	115.62	✓	141.20	✓	141.20	✓	✓	115.62	1020	9.15	124	21.1	.359
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-24
Sampling Zone No.: 3
Starting Time: 1025

Depth (ft.): 435
Finishing Time: 1053

Date: 10/26/01

Water Pressure Inside MP Casing - Beginning of Session: 64.39
End of Session: 64.38

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	✓	✓	✓	✓	✓	✓	64.39	✓	99.91	✓	99.92	✓	✓	64.38	1050	9.01	57	21.0	.424
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS SLIGHTLY CLOUDY, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-24
Sampling Zone No.: 2
Starting Time: 1055

Depth (ft.): 373
Finishing Time: 1120

Date: 10/26/01

Water Pressure Inside MP Casing - Beginning of Session: 37.37
End of Session: 37.39

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	✓	✓	✓	✓	✓	✓	37.37	✓	73.68	✓	73.67	✓	✓	37.39	1115	9.16	5	23.1	.378
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

SOTA Environmental Technology, Inc.

Groundwater Sampling

Field Data Sheet for Multi-Port Well

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

Well ID: MW-24
Sampling Zone No.: 1
Starting Time: 1125

Depth (ft.): 279
Finishing Time: 1145

Date: 10/26/01

Water Pressure Inside MP Casing - Beginning of Session: 14.09
End of Session: 14.11

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	✓	34.02	✓	34.01	✓	✓	14.11	1140	8.91	8	24.4	.381
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS