

Groundwater Sampling
Field Data Sheet for Multi-Port Well

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

Well ID: MW-18 Depth (ft.): 684
Sampling Zone No.: 5
Starting Time: 1045 Finishing Time: 1125

Date: 10/10/01

Water Pressure Inside MP Casing - Beginning of Session: 147.70
End of Session: 147.68

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)
1	✓	✓	✓	✓	✓	✓	147.70	✓	172.58	✓	172.53	✓	✓	147.68	1120	10.40	5	19.6	.349
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Notes: WATER IS CLEAR, NO ODOOR

Total Volume: 1 LITER

Groundwater Sampling
Field Data Sheet for Multi-Port Well

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

Well ID: MW-18 Depth (ft.): 564
Sampling Zone No.: 4
Starting Time: 1128 Finishing Time: 1155

Date: 10/10/01

Water Pressure Inside MP Casing - Beginning of Session: 96.50
End of Session: 96.53

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)
1	✓	✓	✓	✓	✓	✓	96.50	✓	127.96	✓	127.98	✓	✓	96.53	1150	9.26	20	21.4	.364
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

Groundwater Sampling
Field Data Sheet for Multi-Port Well

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

Well ID: MW-18 Depth (ft.): 424
Sampling Zone No.: 3
Starting Time: 1200 Finishing Time: 1237

Date: 10/10/01

Water Pressure Inside MP Casing -
Beginning of Session: 35.56
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)
1	✓	✓	✓	✓	✓	✓	35.56	✓	79.45	✓	79.48	✓	✓	35.58	1232	9.07	6	21.6	.414
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Notes: WATER IS CLEAR, NO ODOOR

Total Volume: 1.5 LITERS

Groundwater Sampling
Field Data Sheet for Multi-Port Well

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

Well ID: MW-18 Depth (ft.): 330
Sampling Zone No.: 2
Starting Time: 1242 Finishing Time: 1220

Date: 10/10/01

Water Pressure Inside MP Casing - Beginning of Session: 14.15
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	✓	✓	✓	✓	✓	✓	14.15	✓	39.93	✓	39.93	✓	✓	14.18	1215	8.63	8	22.6	.395	
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Notes: WATER IS CLEAR, NO ODOOR

Total Volume: 1.5 LITERS

Groundwater Sampling
Field Data Sheet for Multi-Port Well

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

Well ID: MW-19 Depth (ft.): 498
Sampling Zone No.: 5
Starting Time: 1028 Finishing Time: 1120

Date: 10/11/01

Water Pressure Inside MP Casing - Beginning of Session: 78.25
End of Session: 78.28

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)
1	✓	✓	✓	✓	✓	✓	78.25	✓	93.00	✓	93.03	✓	✓	78.28	1115	9.64	60	21.7	.771
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Notes: WATER IS CLEAR, NO ODOOR

Total Volume: 1 LITER

Groundwater Sampling
Field Data Sheet for Multi-Port Well

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

Well ID: MW-19 Depth (ft.): 444
Sampling Zone No.: 4
Starting Time: 1125 Finishing Time: 1200

Date: 10/11/01

Water Pressure Inside MP Casing - Beginning of Session: 54.72
End of Session: 54.74

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	✓	✓	✓	✓	✓	✓	54.72	✓	11.30	✓	11.29	✓	✓	54.74	1155	8.69	18	20.9	.388	
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Notes: WATER IS CLEAR, NO ODO2

Total Volume: 1 LITEK

Groundwater Sampling
Field Data Sheet for Multi-Port Well

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

Well ID: MW-19 Depth (ft.): 392
Sampling Zone No.: 3
Starting Time: 1205 Finishing Time: 1345

Date: 10/11/01

Water Pressure Inside MP Casing - Beginning of Session: 32.02
End of Session: 32.01

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)
1	✓	✓	✓	✓	✓	✓	32.02	✓	96.19	✓	96.21	✓	✓	32.01	1340	7.76	55	21.2	1.00
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Notes: WATER IS SLIGHTLY CLOUDY, NO ODOR

Total Volume: 1 LITER

Groundwater Sampling
Field Data Sheet for Multi-Port Well

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

Well ID: MW-19 Depth (ft.): 314
Sampling Zone No.: 2
Starting Time: 1355 Finishing Time: 1425

Date: 10/11/01

Water Pressure Inside MP Casing - Beginning of Session: 14.16
End of Session: 14.21

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)
1	✓	✓	✓	✓	✓	✓	14.16	✓	64.42	✓	64.42	✓	✓	14.21	1420	8.38	70	22.5	536
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Notes: WATER IS CLEAR, NO ODOUR

Total Volume: 1 LITER

Groundwater Sampling
Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: RES/JST

Well ID: MW-19 Depth (ft.): 242
Sampling Zone No.: 1
Starting Time: 1430 Finishing Time: 1455

Date: 10/11/01

Water Pressure Inside MP Casing - Beginning of Session: 14.13
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)
1	✓	✓	✓	✓	✓	✓	14.13	✓	37.84	✓	37.87	✓	✓	14.12	1450	8.03	42	23.8	.335
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Notes: WATER WAS CLOUDY, NO 0002

Total Volume: 1 LITER

Groundwater Sampling
Field Data Sheet for Multi-Port Well
Date: 10/12/01

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

Well ID: MW-17 Depth (ft.): 726
Sampling Zone No.: 5
Starting Time: 0935 Finishing Time: 1015

Water Pressure Inside MP Casing - Beginning of Session: 169.54
End of Session: 169.54

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)
1	✓	✓	✓	✓	✓	✓	169.54	✓	191.56	✓	190.85	✓	✓	169.54	1010	9.00	54	17.7	.375
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Notes: WATER IS CLEAR, NO ODOUR

Total Volume: 1 LITER

Groundwater Sampling
 Field Data Sheet for Multi-Port Well
 Date: 10/12/01

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

Well ID: MW-17 Depth (ft.): 582
 Sampling Zone No.: 4
 Starting Time: 1017 Finishing Time: 1045

Water Pressure Inside MP Casing - Beginning of Session: 107.95
 End of Session: 107.98

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)
1	✓	✓	✓	✓	✓	✓	107.95	✓	133.91	✓	133.94	✓	✓	107.98	1040	9.02	54	18.3	.371
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Notes: WATER IS CLEAR, NO ODOUR

Total Volume: 1.5 LITERS

Groundwater Sampling
Field Data Sheet for Multi-Port Well
Date: 10/12/07

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PRESTON

Well ID: MW-17 Depth (ft.): 468
Sampling Zone No.: 3
Starting Time: 1048 Finishing Time: 1015

Water Pressure Inside MP Casing -
Beginning of Session: 58.30
End of Session: 58.30

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)
1	✓	✓	✓	✓	✓	✓	58.30	✓	109.87	✓	109.84	✓	✓	58.30	110	9.05	44	18.9	366
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1.5 LITERS

Groundwater Sampling
Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PRELINT

Well ID: MW-17 Depth (ft.): 370
Sampling Zone No.: 2
Starting Time: 1120 Finishing Time: 1145

Date: 10/12/01

Water Pressure Inside MP Casing - Beginning of Session: 15.55
End of Session: 15.58

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)
1	✓	✓	✓	✓	✓	✓	15.55	✓	70.82	✓	70.83	✓	✓	15.58	1140	8.79	73	19.2	.338
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Notes: WATER IS CLEAR, NO ODO2

Total Volume: 1.5 LITERS

Groundwater Sampling
Field Data Sheet for Multi-Port Well
Date: 10/15/01

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

Well ID: MW-3 Depth (ft.): 653
Sampling Zone No.: 5
Starting Time: 1041 Finishing Time: 1110

Water Pressure Inside MP Casing - Beginning of Session: 176.79
End of Session: 176.82

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)
1	✓	✓	✓	✓	✓	✓	176.79	✓	186.51	✓	186.49	✓	✓	176.82	1105	10.53	199	22.7	343
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Notes: WATER IS CLOUDY, ROTTEN EGG SMELL

Total Volume: 1 LITERS

Groundwater Sampling
Field Data Sheet for Multi-Port Well

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

Well ID: MW-3 Depth (ft.): 558
Sampling Zone No.: 4
Starting Time: 1114 Finishing Time: 1148

Date: 10/15/01

Water Pressure Inside MP Casing - Beginning of Session: 136.95
End of Session: 136.99

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)
1	✓	✓	✓	✓	✓	✓	136.95	✓	157.34	✓	157.35	✓	✓	136.99	1145	9.64	51	22.4	299
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Notes: WATER IS CLEAR, NO ODOUR

Total Volume: 1.5 LITERS

Groundwater Sampling
Field Data Sheet for Multi-Port Well
Date: 10/15/01

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

Well ID: MW-3 Depth (ft.): 346
Sampling Zone No.: 3
Starting Time: 1150 Finishing Time: 1225

Water Pressure Inside MP Casing - Beginning of Session: 44.77
End of Session: 44.81

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)
1	✓	✓	✓	✓	✓	✓	44.77	✓	99.92	✓	99.93	✓	✓	44.81	1220	9.17	10	22.9	366
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Notes: WATER IS CLEAR, NO OODK

Total Volume: 1.5 LITERS

Groundwater Sampling
Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: DJS/JLT

Well ID: MW-3 Depth (ft.): 252
Sampling Zone No.: 2
Starting Time: 1230 Finishing Time: 1255

Date: 10/15/01

Water Pressure Inside MP Casing -
Beginning of Session: 14.18
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	✓	✓	✓	✓	✓	✓	14.18	✓	60.59	✓	60.56	✓	✓	14.18	1250	8.81	10	24.2	.438	
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Notes: WATER IS CLEAR, NO ODOUR

Total Volume: 1.5 LITERS

Groundwater Sampling
Field Data Sheet for Multi-Port Well

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

Well ID: MW-21 Depth (ft.): 372
Sampling Zone No.: 5
Starting Time: 0920 Finishing Time: 1015

Date: 10/16/01

Water Pressure Inside MP Casing - Beginning of Session: 131.76
End of Session: 131.75

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)
1	✓	✓	✓	✓	✓	✓	131.76	✓	137.80	✓	137.82	✓	✓	131.75	1013	8.82	10	19.3	.761
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Notes: WATER IS CLEAR, NO ODOR

Total Volume: 1 LITER

Groundwater Sampling
 Field Data Sheet for Multi-Port Well
 Date: 10/16/01

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

Well ID: MW-21 Depth (ft.): 310
 Sampling Zone No.: 4
 Starting Time: 1020 Finishing Time: 1100

Water Pressure Inside MP Casing -
 Beginning of Session: 104.71
 End of Session: 104.74

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)
1	✓	✓	✓	✓	✓	✓	104.71	✓	110.97	✓	110.99	✓	✓	104.74	1057	8.65	10	20.9	768
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Notes: WATER IS CLEAR, NO ODDOR

Total Volume: 1 LITER

Groundwater Sampling
Field Data Sheet for Multi-Port Well

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

Well ID: MW-21 Depth (ft.): 240
Sampling Zone No.: 3
Starting Time: 1120 Finishing Time: 1145

Date: 10/16/01

Water Pressure Inside MP Casing - Beginning of Session: 74.65
End of Session: 74.67

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)
1	✓	✓	✓	✓	✓	✓	74.65	✓	81.10	✓	81.10	✓	✓	74.67	1140	8.47	48	24.3 PRS	1.05
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Notes: WATER IS CLEAR, NO ODOUR

Total Volume: 1 LITER

Groundwater Sampling
Field Data Sheet for Multi-Port Well

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

Well ID: MW-21 Depth (ft.): 161
Sampling Zone No.: 2
Starting Time: 1253 Finishing Time: 1313

Date: 10/16/01

Water Pressure Inside MP Casing -
Beginning of Session: 40.20
End of Session: 40.27

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)
1	✓	✓	✓	✓	✓	✓	40.20	✓	46.96	✓	46.97	✓	✓	40.27	1310	8.39	51	23.3	1.17
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12																			

Notes: WATER IS CLEAR, NO 0002

Total Volume: 1 LITER

Groundwater Sampling
Field Data Sheet for Multi-Port Well

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

Well ID: MW-21 Depth (ft.): 90
Sampling Zone No.: 1
Starting Time: 1315 Finishing Time: 1345

Date: 10/16/01

Water Pressure Inside MP Casing - Beginning of Session: 14.11
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)
1	✓	✓	✓	✓	✓	✓	14.11	✓	14.93	✓		✓	✓						
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: SCREEN IS DRY

Total Volume: 0 LITERS
PEJ

Groundwater Sampling
Field Data Sheet for Multi-Port Well

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

Well ID: YMW-20 Depth (ft.): 900
Sampling Zone No.: 7th 5
Starting Time: 1024 Finishing Time: 1100

Date: 10/17/01

Water Pressure Inside MP Casing - Beginning of Session: 308.46
End of Session: 308.48

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	✓	✓	✓	✓	✓	✓	308.46	✓	309.72	✓	309.73	✓	✓	308.48	1058	10.16	7	18.0	.354	
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Notes: WATER IS CLEAR, NO ODOOR

Total Volume: 1.5 LITERS

Groundwater Sampling
Field Data Sheet for Multi-Port Well

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

Well ID: MW-20 Depth (ft.): 700
Sampling Zone No.: 4
Starting Time: 1105 Finishing Time: 1143

Date: 10/17/01

Water Pressure Inside MP Casing - Beginning of Session: 221.55
End of Session: 221.55

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	✓	✓	✓	✓	✓	✓	221.55	✓	210.52	✓	210.46	✓	✓	221.55	1140	9.57	12	19.6	,306	
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Notes: WATER IS CLEAR, NO ODOUR

Total Volume: 1.5 LITERS

Groundwater Sampling
Field Data Sheet for Multi-Port Well

Project Name: JPL Pasadena
Project No: 00HW019
Personnel: PROJ/INT

Well ID: MW-20 Depth (ft.): 562
Sampling Zone No.: 3
Starting Time: 1145 Finishing Time: 1225

Date: 10/17/01

Water Pressure Inside MP Casing - Beginning of Session: 161.50
End of Session: 161.55

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)
1	✓	✓	✓	✓	✓	✓	161.50	✓	159.17	✓	159.17	✓	✓	161.55	1222	8.99	9	20.8	.528
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOOR

Total Volume: 1.5 LITERS

Groundwater Sampling
Field Data Sheet for Multi-Port Well

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

Well ID: MW-20 Depth (ft.): 392
Sampling Zone No.: 2
Starting Time: 1230 Finishing Time: 1300

Date: 10/17/01

Water Pressure Inside MP Casing - Beginning of Session: 87.58
End of Session: 87.58

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)
1	✓	✓	✓	✓	✓	✓	87.58	✓	89.68	✓	89.68	✓	✓	87.58	1255	8.77	17	19.2	.361
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO ODOOR

Total Volume: 1.5 LITERS

Groundwater Sampling
Field Data Sheet for Multi-Port Well
Date: 10/17/01

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

Well ID: MW-20 Depth (ft.): 230
Sampling Zone No.: 1
Starting Time: 1305 Finishing Time: 1340

Water Pressure Inside MP Casing - Beginning of Session: 16.93
End of Session: 16.95

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)
1	✓	✓	✓	✓	✓	✓	16.93	✓	19.02	✓	19.01	✓	✓	16.95	1335	8.39	48	19.8	.700
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Notes: WATER IS CLEAR, NO COOL

Total Volume: 1.5 LITERS