

ATTACHMENT 4: FIELD LOGS

This attachment contains the groundwater sample collection field logs for the relatively shallow standpipe monitoring wells (MW-5 through MW-8, MW-10, MW-13, MW-15, and MW-16), as well as the field data sheets for the Westbay™ multiport wells (MW-3, MW-4, MW-11, MW-12, MW-14, and MW-17 through MW-26). Groundwater sample collection for the 1st Quarter 2021 sampling event was conducted by Blaine Tech Services, Inc.

Note: During the first quarter 2021 the relatively shallow standpipe wells MW-5, MW-6, MW-7, MW-8, MW-10, MW-13, and MW-16 and the uppermost sampling ports (i.e., Screen 1) in the multi-port monitoring wells MW-12, MW-14, MW-20, MW-21, MW-23, and MW-26 were dry and no samples were collected.

**WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET**

WELL ID: MW-3
 SAMPLING DATE(S) 03/31/21
 LOCATION: JPL
 WATER LEVEL INSIDE CASING: 195.10
 ATM. PRESSURE (PSI): (Start) 14.11 (Finish) 14.09

PROBE TYPE Westbay
 SERIAL NO. FMS 2502
 PROJECT: JPL
 OPERATOR(S) J. Hoang
 WEATHER Clear

Port Number	Run Number	Probe to Top Collar Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)					Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters					Sample				
		Arm out/ Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID	
4	1	✓	✓	✓	✓	✓	176.46	✓	176.36	✓	176.36	✓	176.46	14.2	716	6.73	8	6.95 mg/L	222	0805	MW-3-4	
3	1	✓	✓	✓	✓	✓	84.03	✓	84.81	✓	84.81	✓	84.03	15.2	543	6.83	7	7.01	214	0845	MW-3-3	
2	1	✓	✓	✓	✓	✓	43.04	✓	44.92	✓	44.92	✓	43.04	16.6	521	6.75	5	7.26	221	0905	MW-3-2	

Comments: _____

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: ^{W02} MW-4
 SAMPLING DATE(S) 03/29/21
 LOCATION: JPL
 WATER LEVEL INSIDE CASING: 161.71
 ATM. PRESSURE (PSI): (Start) 14.04 (Finish) 14.06

PROBE TYPE Westbay
 SERIAL NO. EMS 2562
 PROJECT: JPL
 OPERATOR(S) T. Hoag
 WEATHER Clear

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)				Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters					Sample			
		Arm out / Land Probe	Shoe Out / Close Valve / Check Vacuum	Open Valve / Apply Vacuum (5 psi)	Close Valve / Shoe In / Arm In	Locate Port / Arm Out / Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve / Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID
4	1	✓	✓	✓	✓	✓	112.29	✓	115.02	✓	115.02	✓	112.29	11.4	615	6.01	2	2.21	207	0715	111-4-4
3	1	✓	✓	✓	✓	✓	86.94	✓	84.77	✓	84.77	✓	86.94	17.4	617	6.78	4	5.01	207	0820	MW-4-3
2	1	✓	✓	✓	✓	✓	50.93	✓	49.63	✓	49.63	✓	50.93	18.2	820	6.90	2	4.99	181	0845	MW-4-2
1	1	✓	✓	✓	✓	✓	14.06	✓	14.15	✓	14.15	✓	14.08	-Port is Dry - No Sample Taken-							

Comments: _____

WELL MONITORING DATA SHEET

Project #: 210319-HH1	Site: JPL
Sampler: HH	Date: 03/31/21
Well I.D.: MW-5	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 135.36	Depth to Water (DTW): 133.96
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer 2" Rediflo pump Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric-Submersible Other _____ Dedicated Tubing

Other:

_____ (Gals.) X	=	_____ Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP(mV)	Gals. Removed	Observations
								- Insufficient water to Purge or Sample -
								- No Sample Taken -

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: _____

Analyzed for: _____ Other: _____

EB I.D. (if applicable): _____ @ _____ Time Duplicate I.D. (if applicable): _____

FB I.D. (if applicable): _____ @ _____ Time Analyzed for: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 210319-AH1	Site: JPL
Sampler: HH	Date: 03/31/21
Well I.D.: MW-6	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 238.13	Depth to Water (DTW): DRY
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer Waterra Sampling Method: ~~_____~~ Bailer
 Disposable Bailer 2" Rediflo pump Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other _____ Dedicated Tubing

Other:

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

	(Gals.) X		=	Gals.
1 Case Volume	Specified Volumes	Calculated Volume		

Time	Temp (°F or °C)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP(mV)	Gals. Removed	Observations
								— Well is Dry —
								— No Sample Taken —

Did well dewater?	Yes	No	Gallons actually evacuated:
Sampling Date:	Sampling Time:	Depth to Water:	
Sample I.D.:	Laboratory:		
Analyzed for:	Other:		
EB I.D. (if applicable):	@ Time	Duplicate I.D. (if applicable):	
FB I.D. (if applicable):	@ Time	Analyzed for:	
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

WELL MONITORING DATA SHEET

Project #: 210319-HH1	Site: JPL
Sampler: HH	Date: 03/31/21
Well I.D.: MW-7	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 267.24	Depth to Water (DTW): DRY
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~ ~~Water~~ ~~2" Rediflo pump~~ ~~Extraction Pump~~ ~~Other~~ ~~Sampling Method:~~ ~~Bailer~~ ~~Disposable Bailer~~ ~~Extraction Port~~ ~~Dedicated Tubing~~ ~~Other:~~

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

	(Gals.) X		=	Gals.
1 Case Volume	Specified Volumes	Calculated Volume		

Time	Temp (°F or °C)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP(mV)	Gals. Removed	Observations
								- Well is Dry -
								- No Sample Taken -

Did well dewater?	Yes	No	Gallons actually evacuated:
Sampling Date:	Sampling Time:	Depth to Water:	
Sample I.D.:	Laboratory:		
Analyzed for:	Other:		
EB I.D. (if applicable):	@ Time	Duplicate I.D. (if applicable):	
FB I.D. (if applicable):	@ Time	Analyzed for:	
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

WELL MONITORING DATA SHEET

Project #: <u>210319-HH</u>	Site: <u>JPL</u>
Sampler: <u>HH</u>	Date: <u>03/31/21</u>
Well I.D.: <u>MW-8</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth (TD): <u>201.66</u>	Depth to Water (DTW): <u>DRY</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer 2" Rediflo pump Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other: _____ Dedicated Tubing
 Other: _____

$(\text{Gals.}) \times \frac{\text{Specified Volumes}}{\text{Calculated Volume}} = \text{Gals.}$			
1 Case Volume			

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS/cm or μS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP(mV)	Gals. Removed	Observations
								<u>- Well is Dry -</u>
								<u>- No Sample Taken -</u>

Did well dewater?	Yes	No	Gallons actually evacuated: _____
Sampling Date:	Sampling Time: _____	Depth to Water: _____	
Sample I.D.:	Laboratory: _____		
Analyzed for:	Other: _____		
EB I.D. (if applicable): _____ @ _____ Time	Duplicate I.D. (if applicable): _____		
FB I.D. (if applicable): _____ @ _____ Time	Analyzed for: _____		
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

WELL MONITORING DATA SHEET

Project #: <u>210319-HH1</u>	Site: <u>JPL</u>
Sampler: <u>HH</u>	Date: <u>03/31/21</u>
Well I.D.: <u>MW-10</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>153.25</u>	Depth to Water (DTW): <u>DRY</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type YSI 556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method:	<input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible	<input checked="" type="checkbox"/> Waterra <input type="checkbox"/> 2" Rediflo pump <input type="checkbox"/> Extraction Pump <input type="checkbox"/> Other _____	Sampling Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port <input type="checkbox"/> Dedicated Tubing Other:
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Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

	(Gals.) X		=		Gals.
1 Case Volume	Specified Volumes	Calculated Volume			

Time	Temp (°F or °C)	pH	Cond. (mS/cm or μS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP(mV)	Gals. Removed	Observations
								- Well is Dry -
								- No Sample Taken -

Did well dewater?	Yes	No	Gallons actually evacuated:
Sampling Date:	Sampling Time:	Depth-to-Water:	
Sample I.D.:	Laboratory:		
Analyzed for:	Other:		
EB I.D. (if applicable):	@ Time	Duplicate I.D. (if applicable):	
FB I.D. (if applicable):	@ Time	Analyzed for:	
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: MW-11
 SAMPLING DATE(S) 03/30/21
 LOCATION: JPL
 WATER LEVEL INSIDE CASING: 208.46
 ATM. PRESSURE (PSI): (Start) 14.04 (Finish) 14.07

PROBE TYPE Westbay
 SERIAL NO. EMS2502
 PROJECT: JPL
 OPERATOR(S) T. Hogg
 WEATHER clear

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)				Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters					Sample			
		Arm out/ Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm) mg/L	ORP (mv)	Sample Time	Sample ID
4	1	✓	✓	✓	✓	✓	154.01	✓	150.91	✓	150.91	✓	154.01	15.8	612	7.06	3	5.77	63	0750	MW-11-4
3	1	✓	✓	✓	✓	✓	113.91	✓	109.00	✓	109.00	✓	113.91	10.1	312	7.04	2	4.85	111	0820	MW-11-3
2	1	✓	✓	✓	✓	✓	40.05	✓	40.42	✓	40.42	✓	40.05	16.5	436	6.96	4	4.73	152	0850	MW-11-2
	2	✓	✓	✓	✓	✓	39.96	✓	40.39	✓	40.39	✓	39.96								MS/MSD
1	1	✓	✓	✓	✓	✓	14.11	✓	22.14	✓	22.14	✓	14.11	4.3	628	7.16	2	4.83	182	1010	MW-11-1
	2	✓	✓	✓	✓	✓	14.06	✓	22.12	✓	22.12	✓	14.06								

Comments: _____

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: MW-12
 SAMPLING DATE(S): 3/29/12
 LOCATION: JPL
 WATER LEVEL INSIDE CASING: 144.05
 ATM. PRESSURE (PSI): (Start) 14.03 (Finish) 14.05
 Temp 18.27°C 17.29°C

PROBE TYPE: Westbay
 SERIAL NO.: EMS 2502
 PROJECT: JPL
 OPERATOR(S): L. Henderson
 WEATHER: clear, sunny

Port Number	Run Number	Probe to Top Collar		Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)					Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters					Sample		
		Arm out / Land Probe	Shoe Out / Close Valve / Check Vacuum	Open Valve / Apply Vacuum (5 psi)	Close Valve / Shoe In / Arm In	Locate Port / Arm Out / Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve / Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID	
5	1	✓	✓	✓	✓	✓	193.88	✓	153.68	✓	153.66	✓	193.90	17.9	467	7.32	1	7.02	187	0950	MW-12-5	
4	1	✓	✓	✓	✓	✓	146.10	✓	122.96	✓	122.86	✓	146.09	17.7	443	7.45	1	8.11	189	1025	MW-12-4	
3	1	✓	✓	✓	✓	✓	96.84	✓	77.04	✓	77.05	✓	96.84	18.0	465	7.53	2	8.50	191	1100	MW-12-3	
3	2	✓	✓	✓	✓	✓	96.35	✓	77.03	✓	77.04	✓	96.33	-	-	-	-	-	-	-	-	-
2	1	✓	✓	✓	✓	✓	61.93	✓	43.15	✓	43.16	✓	61.95	18.7	583	7.64	7	-	187	1150	MW-12-2	
1	1	✓	✓	✓	✓	✓	14.08	✓	14.15	✓	14.15	✓	14.08	-	-	-	-	-	-	-	-	-

Comments: _____

WELL MONITORING DATA SHEET

Project #: 210319-HH1	Site: JPL
Sampler: HH	Date: 03/31/21
Well I.D.: MW-13	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 234.16	Depth to Water (DTW): DRY
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type YSI 556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer Waterra Sampling Method: Bailer

 Disposable Bailer 2" Rediflo pump Disposable Bailer

 Positive Air Displacement Extraction Pump Extraction Port

 Electric Submersible Other Dedicated Tubing

Other:

	(Gals.) X		=		Gals.
I Case Volume	Specified Volumes	Calculated Volume			

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP(mV)	Gals. Removed	Observations
								- Well is Dry -
								- No Sample Taken -

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Date:	Sampling Time: Depth to Water:
Sample I.D.:	Laboratory:
Analyzed for:	Other:
EB I.D. (if applicable): @ Time	Duplicate I.D. (if applicable):
FB I.D. (if applicable): @ Time	Analyzed for:
D.O. (if req'd): Pre-purge:	mg/L Post-purge: mg/L
O.R.P. (if req'd): Pre-purge:	mV Post-purge: mV

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: MW-14
 SAMPLING DATE(S) 03/23/21
 LOCATION: JPL
 WATER LEVEL INSIDE CASING: 195.73
 ATM. PRESSURE (PSI): (Start) 14.03 (Finish) 14.08

PROBE TYPE Westbay
 SERIAL NO. E115 2562
 PROJECT: JPL
 OPERATOR(S) T. Hocy
 WEATHER Clear

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)				Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters					Sample			
		Arm out / Land Probe	Shoe Out / Close Valve / Check Vacuum	Open Valve / Apply Vacuum (5 psi)	Close Valve / Shoe In / Arm In	Locate Port / Arm Out / Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve / Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID
5	1	✓	✓	✓	✓	✓	167.83	✓	148.94	✓	148.94	✓	167.83	19.8	349	7.69	1	5.25	109	1135	MW-14-5
4	1	✓	✓	✓	✓	✓	131.11	✓	112.67	✓	112.67	✓	131.11	20.1	678	7.60	2	4.89	122	1210	MW-14-4
3	1	✓	✓	✓	✓	✓	99.62	✓	80.59	✓	80.59	✓	99.62	21.9	1136	7.70	2	4.77	124	1225	MW-14-3
	2	✓	✓	✓	✓	✓	99.42	✓	80.56	✓	80.56	✓	99.42							1235	DUP-2-1021
2	1	✓	✓	✓	✓	✓	54.10	✓	34.91	✓	34.91	✓	54.10	21.6	1230	7.55	2	4.61	124	1330	MW-14-2
1	1	✓	✓	✓	✓	✓	19.83	✓	14.18	✓	14.16	✓	19.83	-Duct is Dry - No Sample Taken							

Comments: TB-2-032321
EB-2-032321

WELL MONITORING DATA SHEET

Project #: <u>210319-HH1</u>	Site: <u>JPL</u>
Sampler: <u>HH</u>	Date: <u>03/31/21</u>
Well I.D.: <u>MW-15</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>69.00</u>	Depth to Water (DTW): <u>30.53</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type <u>YSI 556</u>
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>38.22</u>	

Purge Method:	Bailer	Waterra	Sampling Method:
	Disposable Bailer	2" Rediflo pump	Bailer
	Positive Air Displacement	Extraction Pump	Disposable Bailer
	Electric Submersible	Other: <u>Det. RFE</u>	Extraction Port
			Dedicated <u>Tubing</u>

<u>25.1</u> (Gals.) X	<u>3</u>	=	<u>75.3</u> Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP(mV)	Gals. Removed	DTW Observations
<u>1023</u>	<u>17.6</u>	<u>6.95</u>	<u>608</u>	<u>3</u>	<u>5.09</u>	<u>189</u>	<u>13</u>	<u>30.97</u>
<u>1036</u>	<u>17.8</u>	<u>7.05</u>	<u>596</u>	<u>2</u>	<u>4.90</u>	<u>188</u>	<u>26</u>	<u>30.99</u>
<u>1049</u>	<u>17.9</u>	<u>7.04</u>	<u>594</u>	<u>2</u>	<u>4.83</u>	<u>189</u>	<u>49</u>	<u>31.01</u>
<u>1102</u>	<u>17.8</u>	<u>7.08</u>	<u>590</u>	<u>2</u>	<u>4.78</u>	<u>186</u>	<u>62</u>	<u>31.01</u>
<u>1115</u>	<u>17.9</u>	<u>7.10</u>	<u>588</u>	<u>2</u>	<u>4.73</u>	<u>185</u>	<u>65</u>	<u>31.01</u>
<u>1126</u>	<u>17.9</u>	<u>7.11</u>	<u>586</u>	<u>2</u>	<u>4.70</u>	<u>183</u>	<u>76</u>	<u>31.01</u>

Did well dewater? Yes No Gallons actually evacuated: 76

Sampling Date: 03/31/21 Sampling Time: 1130 Depth to Water: 31.01

Sample I.D.: MW-15 Laboratory: BC

Analyzed for: Other: JeeCOC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 210319-HH1	Site: JPL
Sampler: HH	Date: 03/31/21
Well I.D.: MW-16	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 284.32	Depth to Water (DTW): 283.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type YSI 556
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer 2" Rediflo pump Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other _____ Dedicated Tubing

Other:

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

	(Gals.) X		=	Gals.
1 Case Volume	Specified Volumes	Calculated Volume		

Time	Temp (°F or °C)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP(mV)	Gals. Removed	Observations
- Insufficient water to Purge or Sample -								
- No Sample Taken -								

Did well dewater?	Yes	No	Gallons actually evacuated:
Sampling Date:	Sampling Time:	Depth to Water:	
Sample I.D.:	Laboratory:		
Analyzed for:	Other:		
EB I.D. (if applicable):	@ Time	Duplicate I.D. (if applicable):	
FB I.D. (if applicable):	@ Time	Analyzed for:	
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: MW-17
 SAMPLING DATE(S): 03/25/21
 LOCATION: JPL
 WATER LEVEL INSIDE CASING: 209.40
 ATM. PRESSURE (PSI): (Start) 13.97 (Finish) 13.99

PROBE TYPE: Westbay
 SERIAL NO.: EMS2502
 PROJECT: JPL
 OPERATOR(S): S. Hagan
 WEATHER: Clear

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)					Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters					Sample			
		Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm) mg/L	ORP (mv)	Sample Time	Sample ID	
4	1	✓	✓	✓	✓	✓	178.08	✓	128.89	✓	128.89	✓	178.08	15.0	746	7.25	3	5.09	132	0835	MW-17-4	
3	1	✓	✓	✓	✓	✓	128.69	✓	95.19	✓	95.19	✓	128.69	14.1	746	7.13	10	5.77	144	0905	MW-17-3	
2	1	✓	✓	✓	✓	✓	86.10	✓	55.54	✓	55.54	✓	86.10	14.9	623	7.24	6	5.34	159	0935	MW-17-2	

Comments: _____

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: MW-18
 SAMPLING DATE(S): 3/25/21
 LOCATION: JPL
 WATER LEVEL INSIDE CASING: 294.51
 ATM. PRESSURE (PSI): (Start) 13.94 (Finish) 13.84
15.62°C 17.05°C

PROBE TYPE: Westbay
 SERIAL NO.: EMS 2502
 PROJECT: JPL
 OPERATOR(S): J. Henderson
 WEATHER: cloudy

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)				Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters					Sample			
		Arm out/ Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID
5	1	✓	✓	✓	✓	✓	187.15	✓	161.28	✓	161.26	✓	187.16	16.9	289	7.52	2	7.31	55	1055	MW-18-5
4	1	✓	✓	✓	✓	✓	135.86	✓	114.63	✓	114.66	✓	135.89	17.1	401	7.40	2	8.40	71	1130	MW-18-4
4	2	✓	✓	✓	✓	✓	135.37	✓	114.65	✓	114.67	✓	135.40							1140	DUP-5-1Q21
3	1	✓	✓	✓	✓	✓	74.88	✓	63.68	✓	63.69	✓	74.90	16.4	520	7.80	2	8.11	134	1230	MW-18-3
2	1	✓	✓	✓	✓	✓	33.88	✓	23.99	✓	23.97	✓	33.90	15.3	512	7.78	4	7.88	143	1300	MW-18-2
2	2	✓	✓	✓	✓	✓	30.92	✓	24.00	✓											

Comments: _____

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: MW-19
 SAMPLING DATE(S): 03/22/21
 LOCATION: JPL
 WATER LEVEL INSIDE CASING: 141.97
 ATM. PRESSURE (PSI): (Start) 14.05 (Finish) 14.07

PROBE TYPE: Westbay
 SERIAL NO.: EMS 2502
 PROJECT: JPL
 OPERATOR(S): J. Hogan
 WEATHER: Clear

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)				Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters					Sample			
		Arm out / Land Probe	Shoe Out / Close Valve / Check Vacuum	Open Valve / Apply Vacuum (5 psi)	Close Valve / Shoe In / Arm In	Locate Port / Arm Out / Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve / Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm) <i>mg/L</i>	ORP (mv)	Sample Time	Sample ID
5	1	✓	✓	✓	✓	✓	170.22	✓	116.12	✓	116.12	✓	170.22	18.9	805	6.85	3	4.35	200	1115	MW-19-5
4	1	✓	✓	✓	✓	✓	146.77	✓	92.92	✓	92.92	✓	146.77	19.1	848	6.86	2	4.09	163	1140	MW-19-4
3	1	✓	✓	✓	✓	✓	124.17	✓	85.49	✓	85.49	✓	124.17	20.4	974	6.75	3	3.89	159	1215	MW-19-3
	2	✓	✓	✓	✓	✓	123.77	✓	85.48	✓	85.48	✓	123.77								MS / MSD
2	1	✓	✓	✓	✓	✓	90.27	✓	52.01	✓	52.01	✓	90.27	19.1	1192	6.62	25	4.35	152	1245	MW-19-2
1	1	✓	✓	✓	✓	✓	59.20	✓	22.55	✓	22.55	✓	59.20	19.3	506	7.41	8	4.66	140	1335	MW-19-1

Comments: TB-1-032221
EB-1-032221
SB-1-032221

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: MW-20
 SAMPLING DATE(S): 03/22/21
 LOCATION: JPL Church
 WATER LEVEL INSIDE CASING: 243.38
 ATM. PRESSURE (PSI): (Start) 14.08 (Finish) 14.05

PROBE TYPE: Westbay
 SERIAL NO.: EMS 9502
 PROJECT: JPL
 OPERATOR(S): J. Hoenig
 WEATHER: Clear

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)				Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters					Sample				
		Arm out / Land Probe	Shoe Out / Close Valve / Check Vacuum	Open Valve / Apply Vacuum (5 psi)	Close Valve / Shoe In / Arm In	Locate Port / Arm Out / Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve / Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm) M712	ORP (mv)	Sample Time	Sample ID	
5	1	✓	✓	✓	✓	✓	304.56	✓	294.79	✓	294.79	✓	304.56	13.4	430	7.57	2	3.95	20	0745	MW-20-5	
4	1	✓	✓	✓	✓	✓	217.43	✓	196.41	✓	196.41	✓	217.43	14.9	349	7.73	1	3.83	29	0820	MW-20-4	
3	1	✓	✓	✓	✓	✓	157.40	✓	142.01	✓	142.01	✓	157.40	16.2	345	7.65	2	4.05	-14	0905	MW-20-3	
2	1	✓	✓	✓	✓	✓	83.48	✓	70.98	✓	70.98	✓	83.48	18.6	1607	7.52	2	4.06	118	0935	MW-20-3	
	2	✓	✓	✓	✓	✓	83.25	✓	71.01	✓	71.01	✓	83.25									
1	1	✓	✓	✓	✓	✓	14.22	✓	14.22	✓	14.22	✓	14.23	- port is Dry - No sample taken								

Comments: ms/msp - mw-20-3

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: MW-21
 SAMPLING DATE(S): 3/30/21
 LOCATION: JPL
 WATER LEVEL INSIDE CASING: 117.36
 ATM. PRESSURE (PSI): (Start) 14.14 (Finish) 14.09
 Temp: 19.0°C 23.10°C

PROBE TYPE: Westbay
 SERIAL NO.: EMS 2502
 PROJECT: JPL
 OPERATOR(S): L. Henderson
 WEATHER: Clear, Sunny

Port Number	Run Number	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)						Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters						Sample	
		Arm out/ Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID
1	1	✓	✓	✓	✓	✓	102.39	✓	96.40	✓	96.41	✓	102.40	19.8	908	7.16	3	0.22	186	1110	MW-21- 4 ⁴
5	1	✓	✓	✓	✓	✓	128.94	✓	123.27	✓	123.28	✓	128.96	22.0	842	7.41	2	6.71	162	1140	MW-21-5
9	2	✓	✓	✓	✓	✓	126.92	✓	123.26	✓	123.25	✓	126.92	-	-	-	-	-	-	-	-
3	1	✓	✓	✓	✓	✓	72.74	✓	66.52	✓	66.54	✓	72.74	22.4	1253	7.76	2	6.80	159	1230	MW-21-3
3	2	✓	✓	✓	✓	✓	72.67	✓	66.50	✓	66.51	✓	72.68	-	-	-	-	-	-	1240	DUP-7-1021
3	3	✓	✓	✓	✓	✓	70.63	✓	66.50	✓	66.51	✓	70.66	-	-	-	-	-	-	-	-
2	1	✓	✓	✓	✓	✓	38.17	✓	32.35	✓	32.34	✓	38.26	24.0	1402	7.58	2	6.24	1610	1400	MW-21-2
1	1	✓	✓	✓	✓	✓	14.12	✓	14.19	✓	14.19	✓	14.11	- NO SAMPLE - PORT IS DRY -							

Comments: _____

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: MW-22
 SAMPLING DATE(S): 03/24/21
 LOCATION: SPL
 WATER LEVEL INSIDE CASING: 221.42
 ATM. PRESSURE (PSI): (Start) 14.03 (Finish) 14.07

PROBE TYPE: Westbay
 SERIAL NO.: FIN52502
 PROJECT: SPL
 OPERATOR(S): T. Hoan
 WEATHER: Clear

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)					Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters					Sample		
		Arm out / Land Probe	Shoe Out / Close Valve / Check Vacuum	Open Valve / Apply Vacuum (5 psi)	Close Valve / Shoe In / Arm In	Locate Port / Arm Out / Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve / Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID
3	1	✓	✓	✓	✓	✓	89.24	✓	78.56	✓	78.86	✓	89.24	16.1	589	7.08	3	4.36	179	0800	MW-22-3
	2	✓	✓	✓	✓	✓	89.20	✓	78.84	✓	78.84	✓	89.20							0810	DUP-3-1021
2	1	✓	✓	✓	✓	✓	63.09	✓	52.70	✓	52.70	✓	63.09	16.5	653	7.15	2	3.90	157	0850	MW-22-2
1	1	✓	✓	✓	✓	✓	26.17	✓	16.09	✓	16.09	✓	26.17	15.7	1190	7.32	2	4.65	155	0920	MW-22-1
	2	✓	✓	✓	✓	✓	25.48	✓	16.07	✓	16.07	✓	25.48								

Comments: _____

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: MW-23
 SAMPLING DATE(S) 03/26/21
 LOCATION: JPL
 WATER LEVEL INSIDE CASING: 141.87
 ATM. PRESSURE (PSI): (Start) 14.07 (Finish) 14.09

PROBE TYPE Westbay
 SERIAL NO. EMS2502
 PROJECT: JPL
 OPERATOR(S) T. Ho
 WEATHER Clear

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)				Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters					Sample				
		Arm out / Land Probe	Shoe Out / Close Valve / Check Vacuum	Open Valve / Apply Vacuum (5 psi)	Close Valve / Shoe In / Arm In	Locate Port / Arm Out / Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve / Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID	
4	1	✓	✓	✓	✓	✓	146.55	✓	124.61	✓	124.61	✓	146.55	17.2	515	6.96	4	4.85	203	0810	MW-23-4	
3	1	✓	✓	✓	✓	✓	93.12	✓	76.04	✓	76.04	✓	93.12	15.8	608	6.76	2	4.55	198	0840	MW-23-3	
2	1	✓	✓	✓	✓	✓	64.78	✓	47.85	✓	47.85	✓	64.78	14.5	1122	6.82	2	5.35	202	0920	MW-23-2	
	2	✓	✓	✓	✓	✓	64.75	✓	47.84	✓	47.84	✓	64.75								MS / MSD	
1	1	✓	✓	✓	✓	✓	78.53	✓	14.09	✓	14.09	✓	78.53	-Port is Dry - No Sample Taken-								

Comments: _____

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: MW-24
 SAMPLING DATE(S): 05/29/21
 LOCATION: JPL
 WATER LEVEL INSIDE CASING: 233.03
 ATM. PRESSURE (PSI): (Start) 14.03 (Finish) 14.08

PROBE TYPE: Westbay
 SERIAL NO.: EMS2502
 PROJECT: JPL
 OPERATOR(S): T. Hagan
 WEATHER: Clear

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)				Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters					Sample			
		Arm out/ Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm) <i>mg/L</i>	ORP (mv)	Sample Time	Sample ID
4	1	✓	✓	✓	✓	✓	154.24	✓	121.78	✓	121.78	✓	154.24	21.2	215	8.05	3	3.09	15	1050	MW-24-4
3	1	✓	✓	✓	✓	✓	103.19	✓	84.95	✓	84.95	✓	103.19	21.7	590	6.91	2	5.39	78	1120	MW-24-3
2	1	✓	✓	✓	✓	✓	76.04	✓	58.28	✓	58.28	✓	76.04	20.6	625	7.09	2	5.57	124	1200	MW-24-2
	2	✓	✓	✓	✓	✓	75.74	✓	58.24	✓	58.24	✓	75.74							1210	DOP-4-1Q21
1	1	✓	✓	✓	✓	✓	34.82	✓	18.26	✓	18.26	✓	34.82	18.4	696	7.41	2	4.05 ^(ppm)	119	1320	MW-24-1
	2	✓	✓	✓	✓	✓	33.94	✓	18.24	✓	18.24	✓	33.94								

Comments: IB-3-032421
EB-3-032421

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: MW-25
 SAMPLING DATE(S) 03/23/21
 LOCATION: JPL Mount View
 WATER LEVEL INSIDE CASING: 248.85
 ATM. PRESSURE (PSI): (Start) 14.07 (Finish) 14.10

PROBE TYPE Westbay
 SERIAL NO. EM52502
 PROJECT: JPL
 OPERATOR(S) T. Hoag
 WEATHER Cloudy

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)				Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters					Sample			
		Arm out/ Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm) <i>ms/L</i>	ORP (mv)	Sample Time	Sample ID
5	1	✓	✓	✓	✓	✓	219.76	✓	215.47	✓	215.47	✓	219.76	15.9	392	7.63	3	3.05	-56	0755	MW-25-5
4	1	✓	✓	✓	✓	✓	185.62	✓	181.45	✓	181.45	✓	185.62	17.5	827	7.21	2	4.15	128	0820	MW-25-4
3	1	✓	✓	✓	✓	✓	129.30	✓	125.77	✓	125.77	✓	129.30	17.1	792	7.28	3	4.39	145	0850	MW-25-3
2	1	✓	✓	✓	✓	✓	94.67	✓	91.14	✓	91.14	✓	94.67	15.9	770	7.43	2	4.56	143	0925	MW-25-2
	2	✓	✓	✓	✓	✓	93.75	✓	91.13	✓	91.13	✓	93.75								<i>ms/msd</i>
1	1	✓	✓	✓	✓	✓	66.35	✓	62.80	✓	62.80	✓	66.35	18.3	907	7.47	25	4.85	131	1015	MW-25-1
	2	✓	✓	✓	✓	✓	65.82	✓	62.79	✓	62.79	✓	65.82							1025	DJP-1-1021

Comments: _____

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: MW-26
 SAMPLING DATE(S) 3/26/21
 LOCATION: JPL
 WATER LEVEL INSIDE CASING: 59.25
 ATM. PRESSURE (PSI): (Start) 14.10 (Finish) 14.18
 Temp: 15.80°C 19.69°C

PROBE TYPE Westbay
 SERIAL NO. EMS 2502
 PROJECT: JPL
 OPERATOR(S) L. Henderson
 WEATHER clear, Sunny

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)					Sample Collection Checks (probe at sampling port in MP casing)						Field Parameters					Sample		
		Arm out / Land Probe	Shoe Out / Close Valve / Check Vacuum	Open Valve / Apply Vacuum (5 psi)	Close Valve / Shoe In / Arm In	Locate Port / Arm Out / Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve / Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	ORP (mv)	Sample Time	Sample ID
1	1	✓	✓	✓	✓	✓	47.18	✓	14.20	✓	14.15	✓	47.17	-	PORT	DRY	-	NO	SAMPLE	-	
2	1	✓	✓	✓	✓	✓	84.43	✓	46.25	✓	46.23	✓	84.41	16.9	765	7.56	2	6.08	168	1100	MW-26-2
2	2	✓	✓	✓	✓	✓	84.41	✓	46.24	✓	46.24	✓	84.38	-	-	-	-	-	-	1115	DWP-6-1621
2	3	✓	✓	✓	✓	✓	83.86	✓	46.26	✓	46.28	✓	83.86								

Comments: _____

