Geo-Logic ASSOCIATES
Geologists, Hydrogeologists, and Engineers

GROUNDWATER MONITORING PROGRAM
SURFACE WATER DATA SHEET

Site Name: Sunshine Cay ~~Subdrain (N)~~ (RS) **Project No.:** 5020.1006

Station I.D.: Subdrain (N) **Sampling Date:** 6-22-20
Collected By: RS **Sampling Time:** 1200
Horiba Model S/N: RSS5494H **Duplicate Sample:** YES (NO)

COLOR	ODOR	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
Rusty	Yes	6.14	5.87	OR	1.98	36.62	-150

Surface water conditions (including stream flow rate, stream depth): Samples taken @ Subdrain location.

Additional Info/Comments: Sunny, cool
Needs weed abatement.

Name: Bert Salinas Signature: [signature]

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	Sunshine Cyn.	**Project No.:**	5020.1006
Well I.D.:	LY-6	**Sampling Date:**	6-24-20
Collected By:	RBS	**Purge start Time:**	
Casing Diameter (inches):	8"	**Purge Stop time:**	
Starting Water Level:	dry	**Sampling (Well Recovery) Time:**	
Total Depth (feet):		**Ending Water Level (feet):**	
Water column (feet):		**Total Purged (gallons):**	
Screen Length (feet):		**Duplicate Sample:**	YES (NO)
Sample Method:	Micro Purge Low Flow		
Horiba Model S/N:	N/A		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV

Purge Sampling Rates: The lysimeter appears to be dry.

Well condition: OK

Additional Info/Comments: Sunny, warm

Name: B. Salinas **Signature:**

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	SUNSHINE CANYON	**Project No.:**	5020.1006
Well I.D.:	CM-9R3	**Sampling Date:**	6/22/2020
Collected By:	NR	**Purge start Time:**	1019
Casing Diameter (inches):	4	**Purge Stop time:**	1037
Starting Water Level:	9.98	**Sampling (Well Recovery) Time:**	1047
Total Depth (feet):	23.35	**Ending Water Level (feet):**	11.34
Water column (feet):	13.37	**Total Purged (gallons):**	3*
Screen Length (feet):	—	**Duplicate Sample:**	YES (NO)
Sample Method:	(Micro Purge) Low Flow		
Horiba Model S/N:	U-52/RNGJDSKW		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
1025	1	10.71	6.42	4.27	398	3.70	17.88	-3
1028	1 1/2	10.93	6.40	4.26	353	3.13	17.83	Ø
1031	2	11.10	6.37	4.25	322	2.90	17.74	1
1033	2 1/4	11.17	6.37	4.24	283	2.79	17.71	2
1034	2 1/2	11.21	6.36	4.24	261	2.73	17.69	2
1036	2 3/4	11.28	6.36	4.24	255	2.64	17.81	3
1037	3	11.34	6.36	4.23	248	2.60	17.80	3

Purge Sampling Rates: PSI 25 Refill (30) Discharge (10)

WATER ORANGE BROWN in color with no odor

Well condition: FAIR, SCS REMOVED PIPE AROUND WELL TO PREVENT WELL BEING BURRIED SO ACCESS COULD BE GAINED TO WELL

Additional Info/Comments: SUNNY, mild temp

Name: NICHOLAS PEARSON **Signature:**

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	Sunshine Canyon	**Project No.:**	SD20.1006
Well I.D.:	CM-10R	**Sampling Date:**	6/22/2020
Collected By:	NR	**Purge start Time:**	0844
Casing Diameter (inches):	4	**Purge Stop time:**	0906
Starting Water Level:	47.39	**Sampling (Well Recovery) Time:**	0916
Total Depth (feet):	110.90	**Ending Water Level (feet):**	47.78
Water column (feet):	63.51	**Total Purged (gallons):**	3
Screen Length (feet):	—	**Duplicate Sample:**	(YES) NO
Sample Method:	(Micro Purge) Low Flow	* DUPLICATE COLLECTED HERE *	
Horiba Model S/N:	U-52/ RNGJDSKW		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
0853	1	47.66	6.74	3.03	0.4	6.23	21.45	-60
0856	1 1/2	47.71	6.75	3.02	0.2	6.03	21.41	-59
0900	2	47.75	6.76	3.03	0.0	3.21	21.42	-58
0903	2 1/2	47.77	6.77	3.03	0.0	3.11	21.42	-58
0905	2 3/4	47.78	6.78	3.02	0.0	2.98	21.43	-57
0906	3	47.78	6.77	3.02	0.0	3.06	21.44	-58

Purge Sampling Rates: 50 PSI REFILL (40) DISCHARGE (12)

Well condition: OK, WATER CLEAR WITH NO ODOR

Additional Info/Comments: FOGGY, COOL TEMP

Name: NICHOLAS REASON **Signature:**

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: Sunshine Canyon Well ID: CM-10R Date: 6/22/2020

Access:

Accessibility: Good: ✓ Fair: _____ Poor: _____

Vicinity of well clear of weeds and/or debris: Yes: ✓ No: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks:

Concrete Pad:

Integrity: Good: ✓ Inadequate: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks:

Protective Outer Casing: Material: METAL

Condition of Protective Casing: Good: ✓ Damaged: _____

Condition of Locking Cap: Good: ✓ Damaged: _____

Condition of Lock: Good: ✓ Damaged: _____

Condition of Weepholes: Good: ✓ Damaged: _____

Remarks:

Well Riser: Material: PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: ✓ No: _____

Remarks:

Dedicated Pump: Type: BLADDER

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): N/A Current (Hz): N/A

Remarks:

Field Certification: [signature] Field Tech 6/22/2020

Signed Title Date

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	SUNSHINE CANYON	**Project No.:**	5020.1006
Well I.D.:	CM-11R	**Sampling Date:**	6/22/2020
Collected By:	NR	**Purge start Time:**	1132
Casing Diameter (inches):	4	**Purge Stop time:**	1212
Starting Water Level:	15.97	**Sampling (Well Recovery) Time:**	1227
Total Depth (feet):	30.70	**Ending Water Level (feet):**	17.23
Water column (feet):	14.73	**Total Purged (gallons):**	2*
Screen Length (feet):	—	**Duplicate Sample:**	YES (NO)
Sample Method:	(Micro Purge) Low Flow		
Horiba Model S/N:	U-52/RNGJDSKW		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
1142	1/2	16.40	6.08	4.63	0.0	2.98	19.04	85
1147	3/4	16.57	5.96	4.50	0.0	2.49	19.00	107
1152	1	16.69	5.84	4.37	0.0	2.25	19.00	131
1158	1 1/4	16.94	5.72	4.24	0.0	1.98	18.83	158
1202	1 1/2	17.08	5.64	4.16	0.0	1.88	18.85	172
1207	1 3/4	17.17	5.60	4.13	0.0	1.83	18.86	179
1212	2	17.23	5.58	4.12	0.0	1.78	19.01	182

Purge Sampling Rates: PSI 30 Refill (25) DISCHARGE (4)

Well condition: FAIR, HEAVY VEGETATION AND BUGS SURROUNDING WELL. WATER CLEAR WITH NO ODOR

Additional Info/Comments: SUNNY, WARM

Name: NICHOLAS REASON **Signature:**

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: Sunshine Canyon Well ID: CM-11R Date: 6/22/2023

Access:

Accessibility: Good: _____ Fair: ✓ Poor: _____

Vicinity of well clear of weeds and/or debris: Yes: _____ No: ✓

Presence of depressions or standing water around well: Yes: _____ No: _____

Remarks: BACKED TRUCK UP CONCRETE CHANNEL TO ACCESS WELL. HEAVY VEGETATION AND RUTS SURROUNDING WELL

Concrete Pad:

Integrity: Good: ✓ Inadequate: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks:

Protective Outer Casing: Material: METAL

Condition of Protective Casing: Good: ✓ Damaged: _____

Condition of Locking Cap: Good: ✓ Damaged: _____

Condition of Lock: Good: ✓ Damaged: _____

Condition of Weepholes: Good: ✓ Damaged: _____

Remarks:

Well Riser: Material: PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: ✓ No: _____

Remarks:

Dedicated Pump: Type: BLADDER

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): N/A Current (Hz): N/A

Remarks:

Field Certification: _____ Field Tech 6/22/2023

Signed Title Date

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	Sunshine canyon	**Project No.:**	5070.1006
Well I.D.:	MW-1	**Sampling Date:**	06-23-2020
Collected By:	CV	**Purge start Time:**	1107
Casing Diameter (inches):	4	**Purge Stop time:**	1124
Starting Water Level:	15.10	**Sampling (Well Recovery) Time:**	1144
Total Depth (feet):	28.86	**Ending Water Level (feet):**	15.22
Water column (feet):	13.76	**Total Purged (gallons):**	3
Screen Length (feet):	—	**Duplicate Sample:**	YES NO (O)
Sample Method:	(Micro Purge) Low Flow		
Horiba Model S/N:	U-52 W600SQRS		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
1114	1	15.20	6.96	2.34	118	7.56	20.88	-94
1117	1 1/2	15.27	6.96	2.33	109	7.28	20.63	-95
1120	2	15.33	6.94	2.27	83.3	7.07	20.58	-98
1122	2 1/2	15.22	6.93	2.28	74.1	6.84	20.49	-99
1123	2 3/4	15.22	6.92	2.27	66.0	6.74	20.63	-100
1124	3	15.22	6.92	2.27	65.1	6.65	20.68	-101
		15.22	6.92	2.27	64.3	6.64	20.69	-102

Purge Sampling Rates: PSI 20 Refill (30) Discharge (11)

Well condition: Ok

Additional Info/Comments: Sunny, some clouds, warm, water has yellowish brown color No odor

CH4 reading 0.0

Name: Christina Valenzuela **Signature:** Christina Valenzuela

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: Sunshine canyon Well ID: MW-1 Date: 06-23-2020

Access:

Accessibility: Good: ✓ Fair: _____ Poor: _____

Vicinity of well clear of weeds and/or debris: Yes: ✓ No: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks:

Concrete Pad: NA

Integrity: Good: _____ Inadequate: _____

Presence of depressions or standing water around well: Yes: _____ No: _____

Remarks: Concrete Around IS not visible

Protective Outer Casing: Material: metal

Condition of Protective Casing: Good: ✓ Damaged: _____

Condition of Locking Cap: Good: ✓ Damaged: _____

Condition of Lock: Good: ✓ Damaged: _____

Condition of Weepholes: Good: ✓ Damaged: _____

Remarks: good

Well Riser: Material: ~~Metal~~ (cv) PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: ✓ No: _____

Remarks: missing Blue cap

Dedicated Pump: Type: Bladder

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): N/A Current (Hz): N/A

Remarks:

Field Certification: [signature] Field Tech 06-23-2020

Signed Title Date

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	Sunshine Canyon	**Project No.:**	5020.1006
Well I.D.:	MW-2A	**Sampling Date:**	6/24/2020
Collected By:	NR, CV	**Purge start Time:**	0732
Casing Diameter (inches):	4	**Purge Stop time:**	0806
Starting Water Level:	33.46	**Sampling (Well Recovery) Time:**	0821
Total Depth (feet):	41.27	**Ending Water Level (feet):**	34.99
Water column (feet):	7.81	**Total Purged (gallons):**	2
Screen Length (feet):	–	**Duplicate Sample:**	YES (NO)
Sample Method:	(Micro Purge) Low Flow	* Blanks collected Here *	
Horiba Model S/N:	U52/2W6JDDSKW		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
0741	1/2	34.02	6.34	3.27	1.0	2.96	21.91	-7
0748	1	34.27	6.37	3.28	1.5	2.51	21.94	-16
0753	1 1/4	34.48	6.37	3.29	1.3	2.32	21.97	-21
0758	1 1/2	34.71	6.38	3.29	1.4	2.16	22.00	-25
0802	1 3/4	34.86	6.39	3.29	1.6	2.04	22.02	-27
0806	2	34.99	6.39	3.39	1.5	1.97	22.03	-29

Purge Sampling Rates: PsF 25 Refill (2) Discharge (5)

Well condition: OK - HEAVY VEGETATION AND BUS SURROUND WELL, WATER CLEAR WITH NO ODOR

Additional Info/Comments: Overcast, cool

Name: Nicholas Pleasant **Signature:**

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: SUNSHINE CANYON Well ID: MW-2A Date: 6/24/2020

Access:

Accessibility: Good: _____ Fair: ✓ Poor: _____

Vicinity of well clear of weeds and/or debris: Yes: _____ No: ✓

Presence of depressions or standing water around well: Yes: ✓ No: _____

Remarks: HAD TO CARRY SAMPLING EQUIPMENT AND BOTTLES DOWN SLOPE THROUGH HEAVY VEGETATION TO ACCESS WELL

Concrete Pad:

Integrity: N/A Good: _____ Inadequate: _____

Presence of depressions or standing water around well: Yes: ✓ No: _____

Remarks: CONCRETE PAD IS BURRIED

Protective Outer Casing: Material: METAL

Condition of Protective Casing: Good: ✓ Damaged: _____

Condition of Locking Cap: Good: ✓ Damaged: _____

Condition of Lock: Good: ✓ Damaged: _____

Condition of Weepholes: Good: ✓ Damaged: _____

Remarks:

Well Riser: Material: PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: ✓ No: _____

Remarks:

Dedicated Pump: Type: BLADDER

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): N/A Current (Hz): N/A

Remarks:

Field Certification: [signature] Field Tech 6/24/2020

Signed Title Date

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	Sunshine Canyon	**Project No.:**	3020.1006
Well I.D.:	MW-2B	**Sampling Date:**	6/24/2020
Collected By:	NR, CV	**Purge start Time:**	0846
Casing Diameter (inches):	4	**Purge Stop time:**	0902
Starting Water Level:	17.56	**Sampling (Well Recovery) Time:**	0917
Total Depth (feet):	70.90	**Ending Water Level (feet):**	21.68
Water column (feet):	53.34	**Total Purged (gallons):**	2½
Screen Length (feet):	—	**Duplicate Sample:**	YES (NO)
Sample Method:	(Micro Purge) Low Flow		
Horiba Model S/N:	U-52 / RNGJDSKW		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
0852	1	19.61	7.17	3.23	9.0	2.87	22.56	-85
0855	1½	20.01	7.17	3.24	6.4	2.48	22.58	-86
0858	2	20.83	7.17	3.23	6.4	2.21	22.41	-87
0900	2¼	21.27	7.17	3.23	6.2	2.12	22.64	-87
0902	2½	21.68	7.17	3.23	6.3	2.07	22.25	-87

Purge Sampling Rates: PSI 40 Refill (35) Discharge (11)

Well condition: OK - HEAVY VEGETATION AND RUBS SURROUND WELL, WATER MOSTLY CLEAR with strong odor

Additional Info/Comments: Sunny, clear, warm

Name: Nicholas Reason **Signature:**

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: Sunshine Canyon Well ID: MW-2B Date: 6/24/2020

Access:

Accessibility: Good: _____ Fair: ✓ Poor: _____

Vicinity of well clear of weeds and/or debris: Yes: _____ No: ✓

Presence of depressions or standing water around well: Yes: ✓ No: _____

Remarks: HAD TO CARRY SAMPLING EQUIPMENT AND BOTTLES DOWN SLOPE THROUGH HEAVY VEGETATION. LOTS OF RUTS SURROUNDING WELL

Concrete Pad:

Integrity: Good: ✓ Inadequate: _____

Presence of depressions or standing water around well: Yes: ✓ No: _____

Remarks: EROSION AROUND WELL HAS LEFT VOID UNDER CONCRETE PAD

Protective Outer Casing: Material: METAL

Condition of Protective Casing: Good: ✓ Damaged: _____

Condition of Locking Cap: Good: ✓ Damaged: _____

Condition of Lock: Good: ✓ Damaged: _____

Condition of Weepholes: Good: ✓ Damaged: _____

Remarks:

Well Riser: Material: PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: ✓ No: _____

Remarks:

Dedicated Pump: Type: BLADDER

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): NM Current (Hz): N/A

Remarks:

Field Certification: [signature] Field Tech 6/24/2020

Signed Title Date

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	Sunshine canyon	Project No.:	5020.1006
Well I.D.:	MW-5	Sampling Date:	06-23-2020
Collected By:	CV	Purge start Time:	0955
Casing Diameter (inches):	2	Purge Stop time:	1013
Starting Water Level:	18.05	Sampling (Well Recovery) Time:	1030
Total Depth (feet):	25.65	Ending Water Level (feet):	18.50
Water column (feet):	7.60	Total Purged (gallons):	2 1/2
Screen Length (feet):	—	Duplicate Sample:	YES (NO)
Sample Method:	(Micro Purge) Low Flow		
Horiba Model S/N:	U-52 WQFP8GR5	* Blanks Taken Here 8 Total	

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
1005	1	18.27	6.96	4.00	5.2	1.33	20.55	-125
1008	1 1/2	18.47	6.94	3.95	1.6	1.26	20.55	-132
1010	2	18.46	6.93	3.95	0.2	1.23	20.54	-136
1012	2 1/4	18.64	6.93	3.95	0.0	1.20	20.53	-137
1013	2 1/2	18.50	6.92	3.95	0.0	1.18	20.61	-138

Purge Sampling Rates: 20 Psi Refill (30) Discharge 12

Well condition: Good, water yellow color, no odor

Additional Info/Comments: sunny, some clouds, light breeze

Name: Christian Valenzuela Signature: Christian Valenzuela

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: Sunshine Canna Well ID: MW-5 Date: 06-23-2020

Access:

Accessibility: Good: _____ Fair: ✓ Poor: _____

Vicinity of well clear of weeds and/or debris: Weed Trimings still there Yes: _____ No: ✓

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks: Was able to back up had to move Tree Branches That were cut so I wouldn't Pop A Tire. Berm made up of Asphalt

Concrete Pad: N/A

Integrity: Good: _____ Inadequate: _____

Presence of depressions or standing water around well: Yes: _____ No: _____

Remarks: Not Visible

Protective Outer Casing: Material: Metal

Condition of Protective Casing: Good: ✓ Damaged: _____

Condition of Locking Cap: Good: ✓ Damaged: _____

Condition of Lock: Good: ✓ Damaged: _____

Condition of Weepholes: Good: ✓ Damaged: _____

Remarks:

Well Riser: Material: PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: ✓ No: _____

Remarks:

Dedicated Pump: Type: Bladder

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): N/A Current (Hz): N/A

Remarks:

Field Certification: [signature] Field Tech 06-23-2020

Signed Title Date

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	Sunshine Canyon	**Project No.:**	5020-1006
Well I.D.:	MW-6	**Sampling Date:**	06-22-2020
Collected By:	CV	**Purge start Time:**	1001
Casing Diameter (inches):	2	**Purge Stop time:**	1057
Starting Water Level:	16.38	**Sampling (Well Recovery) Time:**	1117
Total Depth (feet):	(CV) ~~23.50~~ 20.52	**Ending Water Level (feet):**	17.25
Water column (feet):	CV ~~4.12~~ 4.16	**Total Purged (gallons):**	2 1/4
Screen Length (feet):	—	**Duplicate Sample:**	YES (NO)
Sample Method:	(Micro Purge) Low Flow		
Horiba Model S/N:	U-52 WGGP8GR5		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
1014	1/2	16.85	7.14	3.81	5.3	1.21	22.67	-274
1019	3/4	16.94	7.11	3.84	5.2	1.11	22.60	-290
~~1021~~ Horiba stopped	1 —	Changed Batteries on Horiba						
1039	1 1/2	17.15	7.04	3.95	0.8	1.15	22.70	-328
1046	1 3/4	17.21	7.02	3.97	0.0	1.00	22.73	-329
1051	2	17.24	7.02	3.97	0.0	0.94	22.79	-330
1057	2 1/4	17.25	7.02	3.97	0.0	0.91	22.82	-331

Purge Sampling Rates: 20psi Refill (30) Discharge (5)

Well condition: OK, water has strong odor, water has grey sediment

Additional Info/Comments: Sunny, cool, Breezy

Name: Christian Valenzuela **Signature:** [signature]

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: Sunshine Canyon Well ID: MW-6 Date: 06-22-2020

Access:

Accessibility: Good: _____ Fair: ✓ Poor: _____

Vicinity of well clear of weeds and/or debris: Yes: ✓ No: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks: Had to come through side gate and carry all Equipment through

Concrete Pad:

Integrity: Good: ✓ Inadequate: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks: Looks good

Protective Outer Casing: Material: Metal

Condition of Protective Casing: Good: ✓ Damaged: _____

Condition of Locking Cap: Good: ✓ Damaged: _____

Condition of Lock: Good: ✓ Damaged: _____

Condition of Weepholes: Good: _____ Damaged: _____

Remarks: Look ok

Well Riser: Material: PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: ✓ No: _____

Remarks:

Dedicated Pump: Type: Bladder

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): N/A Current (Hz): N/A

Remarks:

Field Certification: [signature] Field Tech 06-22-2020

Signed Title Date

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	SUNSHINE CANYON	**Project No.:**	8020.1006
Well I.D.:	MW-9	**Sampling Date:**	6/23/2020
Collected By:	NR	**Purge start Time:**	1214
Casing Diameter (inches):	4	**Purge Stop time:**	1255
Starting Water Level:	21.76	**Sampling (Well Recovery) Time:**	1310
Total Depth (feet):	25.90	**Ending Water Level (feet):**	21.87
Water column (feet):	4.14	**Total Purged (gallons):**	1¼+
Screen Length (feet):	—	**Duplicate Sample:**	YES (NO)
Sample Method:	(Micro Purge) Low Flow		
Horiba Model S/N:	U-52/RW6JDSKW		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
1227	¼	21.83	6.47	4.42	50.7	0.04	24.61	-66
1235	½	21.87	6.47	4.47	27.2	2.20	23.96	-69
1241	¾	21.87	6.47	4.46	21.5	1.92	23.99	-70
1248	1	21.87	6.46	4.47	20.3	1.87	23.92	-71
1255	1¼	21.87	6.47	4.46	20.8	1.73	23.89	-71

Purge Sampling Rates: PSI 25 Refill(25) Discharge ~~(4.5)~~ (NR) (3.6)

Well condition: OK, WATER HAS YELLOW TINT WITH SLIGHT ODOR.

Additional Info/Comments: SUNNY, CLEAR, WARM

Name: NICHOLAS PEARSON **Signature:**

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: Sunshine Canyon Well ID: MW-9 Date: 6/23/2020

Access:

Accessibility: Good: _____ Fair: ✓ Poor: _____

Vicinity of well clear of weeds and/or debris: Yes: ✓ No: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks: CARRIED SAMPLING EQUIPMENT AND BOTTLES TO WELL

Concrete Pad:

Integrity: Good: ✓ Inadequate: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks:

Protective Outer Casing: Material: METAL (FLUSHMOUNT)

Condition of Protective Casing: Good: ✓ Damaged: _____

Condition of Locking Cap: Good: ✓ Damaged: _____

Condition of Lock: Good: ✓ Damaged: _____

Condition of Weepholes: Good: ✓ Damaged: _____

Remarks:

Well Riser: Material: PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: ✓ No: _____

Remarks:

Dedicated Pump: Type: BLADDER

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): N/A Current (Hz): N/A

Remarks:

Field Certification: [signature] Field Tech 6/23/2020

Signed Title Date

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	Sunshine Canyon	Project No.:	5020.1006
Well I.D.:	MW-13R	Sampling Date:	06-23-2020
Collected By:	CV	Purge start Time:	0747
Casing Diameter (inches):	4	Purge Stop time:	0828
Starting Water Level:	17.07	Sampling (Well Recovery) Time:	0848
Total Depth (feet):	28.47	Ending Water Level (feet):	17.48
Water column (feet):	11.40	Total Purged (gallons):	1 3/4
Screen Length (feet):	—	Duplicate Sample:	YES NO
Sample Method:	(Micro Purge) Low Flow		
Horiba Model S/N:	U-52 WGGP8GR5		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
0803	1/2	17.34	7.81	1.61	0.1	5.54	22.34	-388
0807	3/4	17.39	7.81	1.61	0.4	5.15	22.30	-388
0813	1	17.45	7.81	1.61	0.0	4.70	22.29	-388
0819	1 1/4	17.48	7.80	1.61	0.0	4.27	22.29	-388
0824	1 1/2	17.48	7.80	1.61	0.0	3.98	22.28	-388
0828	1 3/4	17.48	7.80	1.61	0.0	3.75	22.27	-388

Purge Sampling Rates: 30 Psi Refill (30) Discharge (5)

Well condition: Poor, Hole In monument Lid Due to corosion. Needs Repairs, Strong odor From well. Water Has Yellow / Dark color

Additional Info/Comments: Foggy, cool, Breezy unable to achieve D.O stabalization Due to gas In well.

Name: Christian Valenzuela Signature: Christian Valenzuela

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: Sunshine Canyon Well ID: MW-13R Date: 06-23-2020

Access:

Accessibility: Good: _____ Fair: ✓ Poor: _____

Vicinity of well clear of weeds and/or debris: Yes: _____ No: ✓

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks: Had to carry All Equipment to well.

Concrete Pad:

Integrity: Good: ✓ Inadequate: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks:

Protective Outer Casing: Material: Metal

Condition of Protective Casing: Good: _____ Damaged: ✓

Condition of Locking Cap: Good: _____ Damaged: ✓

Condition of Lock: Good: _____ Damaged: ✓

Condition of Weepholes: Good: _____ Damaged: _____

Remarks: Inside of casing is very oxidated, Lid has Hole Init Due to corosion. Lock is Beginning to Rust

Well Riser: Material: PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: ✓ No: _____

Remarks:

Dedicated Pump: Type: Bladder

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): N/A Current (Hz): N/A

Remarks:

Field Certification: [signature] Field Tech 06-23-2020

Signed Title Date

Geo-Logic ASSOCIATES
Geologists, Hydrogeologists, and Engineers

SOIL-PORE GAS PROBE MONITORING FORM

Site Name: Sunshine Canyon MW-13R
Project No.: 5020.1006
Date: 06-23-2026
Weather: Overcast
Time:
Instrument No.: GEM 2000 / miniRAE 3000
Field Personnel: Christian Valenzuela

miniRAE 3,000

Probe ID	Time	Probe Depth (Feet)	Probe Diameter (inches)	Probe Diameter ~~(inches)~~	1 Purge Volume (Liters)	CH_4	CO_2	O_2	N_2
Inside casing MW-13R	0723			10.0		OR	02.5	06.5	OR
Above casing	0723			0.0		00.9	00.1	19.7	79.7
Inside	0809			4.3		OR	02.3	05.2	OR
Above	0809			1.4		01.0	00.1	19.6	79.7
Inside	0906			1.3		OR	02.0	06.3	OR
Above	0907			1.5		00.5	00.0	19.4	80.2

Notes: Greater than 80% methane

1. For 1-inch probes, multiply probe depth by 0.15 to get one well volume (Liters).
   For 2-inch probes, multiply probe depth by 0.62 to get one well volume (Liters).
2. Begin taking readings following evacuation of one probe volume, record stabilized values.

CALIBRATION Instrument No.:

Instrument Name/Model	Serial No.	Gas Standard Used	Pre-Sampling Initial Meter Reading	Calibrated Meter Reading	Cal-Check Meter Reading	Post-Sampling Final Meter Reading	Sampler Filter Replaced? (Y/N)
GEM 2000		15% CH4/B-NIT.					
		15% CO2/B-NIT.					
		4% O2/B-NIT.					

miniRAE Calibrated Reading 100.0

Calibrated 06-23-2026

0706

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	Sunshine Canyon	**Project No.:**	5020.1006
Well I.D.:	MW-14	**Sampling Date:**	06-22-20
Collected By:	CV	**Purge start Time:**	CV ~~0825~~ 0825
Casing Diameter (inches):	4	**Purge Stop time:**	0837
Starting Water Level:	14.03	**Sampling (Well Recovery) Time:**	0855
Total Depth (feet):	(CV) ~~28.10~~ 27.35	**Ending Water Level (feet):**	14.65
Water column (feet):	(CV) ~~14.07~~ 13.28	**Total Purged (gallons):**	2 3/4
Screen Length (feet):		**Duplicate Sample:**	YES (NO)
Sample Method:	(Micro Purge) Low Flow		
Horiba Model S/N:	U-52 W6GP86R5		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
0829	1	14.51	6.75	3.59	0.6	7.54	21.60	262
0834	2	14.63	6.78	3.57	0.0	7.52	21.55	251
0835	2 1/4	14.79	6.78	3.57	0.0	7.14	21.54	249
0836	2 1/2	14.62	6.78	3.57	0.0	7.10	21.55	246
0837	2 3/4	14.65	6.79	3.57	0.6	7.03	21.55	243

Purge Sampling Rates: 20 PSI Refill (20) Discharge (10)

Well condition: ok water clear with no odor.

Additional Info/Comments: overcast, cool, breeze

Name: Christian Valenzuela **Signature:** Christian Valenzuela

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: Sunshine Canyon Well ID: MW-14 Date: 06-22-20

Access:

Accessibility: Good: _____ Fair: _____ Poor: ✓

Vicinity of well clear of weeds and/or debris: Yes: _____ No: ✓

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks: Had to carry Equipment ground to well from 6-pt eqt front.

Concrete Pad:

Integrity: Good: ✓ Inadequate: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks: Looks good

Protective Outer Casing: Material: metal

Condition of Protective Casing: Good: ✓ Damaged: _____

Condition of Locking Cap: Good: ✓ Damaged: _____

Condition of Lock: Good: ✓ Damaged: _____

Condition of Weepholes: Good: _____ Damaged: _____

Remarks: All Looks good

Well Riser: Material: PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: ✓ No: _____

Remarks:

Dedicated Pump: Type: Bladder

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): N/A Current (Hz): N/A

Remarks:

Field Certification: [signature] Field Tech 06-22-20

Signed Title Date

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	Sunstone Gym.	**Project No.:**	5820.1006
Well I.D.:	DW-1	**Sampling Date:**	6-24-20
Collected By:	BS	**Purge start Time:**	/
Casing Diameter (inches):	4	**Purge Stop time:**	
Starting Water Level:	TOC	**Sampling (Well Recovery) Time:**	0900
Total Depth (feet):	/	**Ending Water Level (feet):**	/
Water column (feet):	/	**Total Purged (gallons):**	/
Screen Length (feet):	/	**Duplicate Sample:**	YES (NO)
Sample Method:	Micro Purge Low Flow		
Horiba Model S/N:	R855494H		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
0850	Grab	—	8.56	4.47	1.6	1.74	23.89	-177

Purge Sampling Rates: Collect a grab @ Well. liquid has an H_2S color.

Well condition: OK - Manument is corroded

Additional Info/Comments: Sunny, cool

Name: B. Salinas **Signature:**

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: Sunshine Cyn. Well ID: DW-1 Date: 6-24-20

Access:

Accessibility: Good: ✓ Fair: _____ Poor: _____

Vicinity of well clear of weeds and/or debris: Yes: ✓ No: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks: Dirt pyles near the well.

Concrete Pad:

Integrity: Good: ✓ Inadequate: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks:

Protective Outer Casing: Material: Metal

Condition of Protective Casing: Good: _____ Damaged: corroded

Condition of Locking Cap: Good: ✓ Damaged: _____

Condition of Lock: Good: Needs a new lock Damaged: _____

Condition of Weepholes: Good: ✓ Damaged: _____

Remarks:

Well Riser: Material: PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: N/A No: _____

Remarks:

Dedicated Pump: Type: Drop tube

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): N/A Current (Hz): N/A

Remarks:

Field Certification: [signature] GW Manager 6-24-20

Signed Title Date

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	SUNSHINE CANYON	**Project No.:**	5020.1006
Well I.D.:	DW-2	**Sampling Date:**	6/23/2020
Collected By:	NR	**Purge start Time:**	0923
Casing Diameter (inches):	4	**Purge Stop time:**	0940
Starting Water Level:	23.23	**Sampling (Well Recovery) Time:**	0955
Total Depth (feet):	70.92	**Ending Water Level (feet):**	26.58
Water column (feet):	47.69	**Total Purged (gallons):**	2½+
Screen Length (feet):	—	**Duplicate Sample:**	YES (NO)
Sample Method:	(Micro Purge) Low Flow		
Horiba Model S/N:	U-52/RNGJDSKW		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
0929	1	24.93	7.52	2.58	0.0	2.59	19.47	-104
0933	1½	25.76	7.50	258	0.0	2.16	19.53	-107
0936	2	26.15	7.49	2.59	0.0	2.02	19.41	-109
0938	2¼	26.39	7.49	2.59	0.0	1.95	19.43	-109
0940	2½	26.58	7.48	2.58	0.0	1.89	19.47	-109

Purge Sampling Rates: PSI 40 REFILL (30) DISCHARGE (11)

Well condition: OK, WATER CLEAR WITH NO ODOR

Additional Info/Comments: SUNNY, WARM

Name: Nicholas Reason **Signature:**

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: Sunshine Canyon Well ID: DW-2 Date: 6/23/2023

Access:

Accessibility: Good: ✓ Fair: _____ Poor: _____

Vicinity of well clear of weeds and/or debris: Yes: ✓ No: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks:

Concrete Pad:

Integrity: Good: ✓ Inadequate: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks:

Protective Outer Casing: Material: METAL

Condition of Protective Casing: Good: ✓ Damaged: _____

Condition of Locking Cap: Good: ✓ Damaged: _____

Condition of Lock: Good: ✓ Damaged: _____

Condition of Weepholes: Good: ✓ Damaged: _____

Remarks:

Well Riser: Material: PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: ✓ No: _____

Remarks:

Dedicated Pump: Type: BLADDER

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): N/A Current (Hz): N/A

Remarks:

Field Certification: [signature] Field Tech 6/23/2023

Signed Title Date

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	Sunshine Canyon	**Project No.:**	S020.1006
Well I.D.:	DW-3	**Sampling Date:**	6/23/2020
Collected By:	NR	**Purge start Time:**	1040
Casing Diameter (inches):	4	**Purge Stop time:**	1100
Starting Water Level:	156.31	**Sampling (Well Recovery) Time:**	1120
Total Depth (feet):	248.65	**Ending Water Level (feet):**	160.15
Water column (feet):	92.34	**Total Purged (gallons):**	2½+
Screen Length (feet):	—	**Duplicate Sample:**	YES (NO)
Sample Method:	(Micro Purge) Low Flow		
Horiba Model S/N:	U-52/RNGJDSKW		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
1048	1	158.22	7.28	2.09	40.8	4.95	21.22	-31
1052	1½	158.97	7.26	2.10	33.6	5.25	20.99	-40
1056	2	159.48	7.26	2.10	30.5	4.85	20.95	-44
1058	2¼	159.86	7.26	2.10	30.4	4.78	21.07	-46
1100	2½	160.15	7.25	2.10	30.3	4.73	21.00	-47

Purge Sampling Rates: PSI 120 Refill (40) Discharge (15)

Well condition: Good - water clear with no odor

Additional Info/Comments: Sunny, warm, light breeze

Name: Nicholas Reason **Signature:**

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: SUNSHINE CANYON Well ID: DW-3 Date: 6/23/2020

Access:

Accessibility: Good: ✓ Fair: _____ Poor: _____

Vicinity of well clear of weeds and/or debris: Yes: ✓ No: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks:

Concrete Pad:

Integrity: Good: ✓ Inadequate: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks:

Protective Outer Casing: Material: METAL

Condition of Protective Casing: Good: ✓ Damaged: _____

Condition of Locking Cap: Good: ✓ Damaged: _____

Condition of Lock: Good: ✓ Damaged: _____

Condition of Weepholes: Good: ✓ Damaged: _____

Remarks:

Well Riser: Material: PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: ✓ No: _____

Remarks:

Dedicated Pump: Type: BLADDER

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): N/A Current (Hz): N/A

Remarks:

Field Certification: [signature] Field Tech 6/23/2020

Signed Title Date

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	Sunshine Canyon	**Project No.:**	3020.1006
Well I.D.:	DW-4	**Sampling Date:**	6/24/2020
Collected By:	NR	**Purge start Time:**	0935
Casing Diameter (inches):	4	**Purge Stop time:**	0949
Starting Water Level:	32.17	**Sampling (Well Recovery) Time:**	1005
Total Depth (feet):	134.60	**Ending Water Level (feet):**	35.04
Water column (feet):	102.43	**Total Purged (gallons):**	2½
Screen Length (feet):	—	**Duplicate Sample:**	YES (NO)
Sample Method:	(Micro Purge) Low Flow		
Horiba Model S/N:	U-52/AP6333SKW		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
0940	1	33.47	7.28	3.49	50	1.64	21.53	-145
0943	1½	34.07	7.27	3.51	595	1.46	21.37	-131
0945	2	34.48	7.27	3.51	2.0	1.39	21.36	-127
0947	2¼	34.77	7.27	3.51	2.1	1.36	21.33	-125
0949	2½	35.04	7.27	3.51	1.9	1.34	21.33	-123

Purge Sampling Rates: PSI 75 Refill (30) Discharge (16)

Well condition: OK - HEAVY vegetation around well. WATER HAS STRONG ODOR with slight black tint

Additional Info/Comments: SUNNY, WARM

Name: Nicholas Reason **Signature:**

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: Sunshine Canyon Well ID: DW-4 Date: 6/24/2020

Access:

Accessibility: Good: _____ Fair: ✓ Poor: _____

Vicinity of well clear of weeds and/or debris: Yes: _____ No: ✓

Presence of depressions or standing water around well: Yes: ✓ No: _____

Remarks: HAD TO CARRY SAMPLING EQUIPMENT AND BOTTLES DOWN SLOPE THROUGH HEAVY VEGETATION. RUTS PRESENT AROUND WELL

Concrete Pad:

Integrity: N/A Good: _____ Inadequate: _____

Presence of depressions or standing water around well: Yes: ✓ No: _____

Remarks: Concrete Pad IS Buried. Well has RUTS AROUND ITS LOCATION

Protective Outer Casing: Material: METAL

Condition of Protective Casing: Good: ✓ Damaged: _____

Condition of Locking Cap: Good: ✓ Damaged: _____

Condition of Lock: Good: ✓ Damaged: _____

Condition of Weepholes: Good: ✓ Damaged: _____

Remarks:

Well Riser: Material: PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: ✓ No: _____

Remarks:

Dedicated Pump: Type: Bladder

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): N/A Current (Hz): N/A

Remarks:

Field Certification: [signature] Field Tech 6/24/2020

Signed Title Date

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	Sunshine Canyon	**Project No.:**	5020.006
Well I.D.:	DW-5	**Sampling Date:**	06-23-2020
Collected By:	CV	**Purge start Time:**	1220
Casing Diameter (inches):	4	**Purge Stop time:**	1239
Starting Water Level:	13.20	**Sampling (Well Recovery) Time:**	1259
Total Depth (feet):	100.46	**Ending Water Level (feet):**	17.15
Water column (feet):	87.26	**Total Purged (gallons):**	2 1/2
Screen Length (feet):	—	**Duplicate Sample:**	YES (NO)
Sample Method:	(Micro Purge) Low Flow		
Horiba Model S/N:	U-62 & GGP8GR5		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
1228	1	15.	8.49	1.62	6.0	1.25	21.69	-165
1232	1 1/2	15.78	8.49	1.62	4.7	1.15	21.73	-175
1236	2	16.38	8.49	1.62	4.5	1.05	21.84	-182
1238	2 1/4	16.85	8.49	1.61	4.4	1.03	21.75	-184
1239	2 1/2	17.15	8.48	1.61	4.6	1.01	21.75	-185

Purge Sampling Rates: 65 PSI Refill (30) Discharge (18)

Well condition: OK

Additional Info/Comments: SUNNY, some clouds, slight Breeze

CH4 Reading - 4.5

Name: Christian Valenzuela **Signature:** Christian Valenzuela

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: Sunshine Canyon Well ID: DW-5 Date: 06-23-2020

Access:

Accessibility: Good: ✓ Fair: _____ Poor: _____

Vicinity of well clear of weeds and/or debris: Yes: _____ No: ✓

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks: weed Trimmings allaround well

Concrete Pad: N/A

Integrity: Good: _____ Inadequate: _____

Presence of depressions or standing water around well: Yes: _____ No: _____

Remarks: can not see concrete, but there is Broken concrete around Ft.

Protective Outer Casing: Material: metal

Condition of Protective Casing: Good: ✓ Damaged: _____

Condition of Locking Cap: Good: ✓ Damaged: _____

Condition of Lock: Good: ✓ Damaged: _____

Condition of Weepholes: Good: ✓ Damaged: _____

Remarks:

Well Riser: Material: PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: ✓ No: _____

Remarks:

Dedicated Pump: Type: Bladder

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): N/A Current (Hz): N/A

Remarks:

Field Certification: [signature] Field Tech 06-23-2020

Signed Title Date

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	Sunshine Canyon	**Project No.:**	5020.1006
Well I.D.:	PZ-2	**Sampling Date:**	06-22-2020
Collected By:	CV	**Purge start Time:**	1227
Casing Diameter (inches):	2	**Purge Stop time:**	1254
Starting Water Level:	121.23	**Sampling (Well Recovery) Time:**	1314
Total Depth (feet):	157.53	**Ending Water Level (feet):**	127.69
Water column (feet):	36.30	**Total Purged (gallons):**	1 3/4
Screen Length (feet):	—	**Duplicate Sample:**	YES (NO)
Sample Method:	(Micro Purge) Low Flow		
Horiba Model S/N:	U-52 Woodsters # Blanks Taken Here		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
1239	1/2	123.79	8.80	5.51	0.7	1.22	26.80	-181
1244	1	124.84	8.80	5.50	0.1	1.35	26.64	-172
1247	1 1/4	125.84	8.79	5.49	0.0	1.48	26.85	-170
1251	1 1/2	126.40	8.79	5.48	0.0	1.45	26.89	-168
1254	1 3/4	127.69	8.79	5.48	0.0	1.43	26.82	-167

Purge Sampling Rates: 80 PSI Refill (30) Discharge (22)

Well condition: OK, Water Clear NO odor

Additional Info/Comments: Sunny, Hot, Slight Breeze

Name: Christian Valenzuela **Signature:** [signature]

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: Sunshine Canyon Well ID: PZ-2 Date: 06-22-2020

Access:

Accessibility: Good: _____ Fair: _____ Poor: ✓

Vicinity of well clear of weeds and/or debris: Yes: _____ No: ✓

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks: carried sampleing Equipment across Channel

Concrete Pad:

Integrity: Good: _____ Inadequate: _____ N/A

Presence of depressions or standing water around well: Yes: _____ No: _____

Remarks: NO Concrete Pad HDPE 36"

Protective Outer Casing: Material: Metal

Condition of Protective Casing: Good: ✓ Damaged: _____

Condition of Locking Cap: Good: ✓ Damaged: _____

Condition of Lock: Good: ✓ Damaged: _____

Condition of Weepholes: Good: _____ Damaged: _____

Remarks: casing In good shape

Well Riser: Material: PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: _____ No: _____

Remarks:

Dedicated Pump: Type: ✓ Bladder

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): N/A Current (Hz): N/A

Remarks:

Field Certification: [signature] Field Tech 06-22-2020

Signed Title Date

Geo-Logic ASSOCIATES

Geologists • Hydrogeologists • Engineers

GROUNDWATER MONITORING PROGRAM
WELL DATA SHEET

Site Name:	SUNSHINE CANYON	**Project No.:**	5020.1006
Well I.D.:	PZ-4	**Sampling Date:**	6/23/2020
Collected By:	NR	**Purge start Time:**	0748
Casing Diameter (inches):	2	**Purge Stop time:**	0820
Starting Water Level:	110.51	**Sampling (Well Recovery) Time:**	0835
Total Depth (feet):	118.95	**Ending Water Level (feet):**	114.14
Water column (feet):	8.44	**Total Purged (gallons):**	3
Screen Length (feet):	—	**Duplicate Sample:**	YES (NO)
Sample Method:	(Micro Purge) Low Flow		
Horiba Model S/N:	U-52 / RN6JD5KW		

TIME	GALLONS PURGED	WATER LEVEL	pH	CONDUCTIVITY ms/cm	TURBIDITY NTU	D.O. mg/L	TEMPERATURE °C	O.R.P. mV
0758	1	112.68	7.01	1.61	74.3	2.63	23.38	-71
0804	1 1/2	113.14	7.04	1.61	41.4	2.39	23.32	-76
0809	2	113.47	7.04	1.61	24.7	2.24	23.32	-78
0812	2 1/4	113.68	7.04	1.60	8.7	2.16	23.32	-79
0814	2 1/2	113.81	7.04	1.59	5.9	2.10	23.32	-79
0817	2 3/4	113.99	7.04	1.59	5.8	2.04	23.31	-81
0820	3	114.14	7.04	1.59	5.8	2.01	23.31	-82

Purge Sampling Rates: PSI 90 REFILL (30) DISCHARGE (12)

Well condition: OK - WATER CLOUDY WITH GREY TINT AND NO ODOR

Additional Info/Comments: OVERCAST, COOL

Name: NICHOLAS PEARSON **Signature:**

GROUNDWATER MONITORING WELL INSPECTION REPORT

Facility: Sunshine Canyon Well ID: PZ-4 Date: 6/23/2020

Access:

Accessibility: Good: _____ Fair: ✓ Poor: _____

Vicinity of well clear of weeds and/or debris: Yes: ✓ No: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks:

Concrete Pad:

Integrity: Good: ✓ Inadequate: _____

Presence of depressions or standing water around well: Yes: _____ No: ✓

Remarks:

Protective Outer Casing: Material: METAL (FLUSHMOUNT)

Condition of Protective Casing: Good: ✓ Damaged: _____

Condition of Locking Cap: Good: NA Damaged: _____

Condition of Lock: Good: N/A Damaged: _____

Condition of Weepholes: Good: N/A Damaged: _____

Remarks:

Well Riser: Material: PVC

Condition of Riser: Good: ✓ Damaged: _____

Condition of Riser Cap: Good: ✓ Damaged: _____

Measurment reference point: Yes: ✓ No: _____

Remarks:

Dedicated Pump: Type: BLADDER

Condition: Good: ✓ Damaged: _____ Missing: _____

Pumping Rate (gpm): N/A Current (Hz): N/A

Remarks:

Field Certification: [signature] Field Tech 6/23/2020

Signed Title Date

Geo-Logic ASSOCIATES

FIELD CALIBRATION DOCUMENTATION FORM

LOCATION (Site/Facility Name) Sunshine Cyn. **PROJECT NAME / NUMBER** 5020.1006

Instrument Make/Model # R8J5494H						
Date/Time 6-23-20 0725	**pH**	**Electrical Conductivity (µMhos/cm)** (4.49 mg/Kg)	**Turbidity (NTU)** (0)	**DO (mg/L or %)**	**Guidance Remarks**	**Comments**
Pre. Cal	3.86	4.53	0.4	11.12		
Calibration	4.00	4.49	←	8.63		
Calibration Successful? (Y/N)	Yes	→	→	→	enter YES or NO	
Satifies Protocol?	Yes	←	→	→	Did calibration meet criteria in the sampling protocol? (Y or N)	
Calibration by	[signature]	[signature]			Signature or initials	
Physical Condition of Unit			Good			

Geo-Logic ASSOCIATES

FIELD CALIBRATION DOCUMENTATION FORM

LOCATION (Site/Facility Name) Sunshine Cyn. **PROJECT NAME / NUMBER** 5520.1006

Instrument Make/Model # R85249417						
Date/Time 6-22-20 0830	**pH**	**Electrical Conductivity (µMhos/cm)** (4.49 mg/Kg)	**Turbidity (NTU)** (0)	**DO (mg/L or %)**	**Guidance Remarks**	**Comments**
Pre. Cal	4.43	4.50	0.7	11.02		
Calibration	3.99	4.49	↓	8.48		
Calibration Successful? (Y/N)	Yes	→	→	→	enter YES or NO	
Satifies Protocol?	Yes	→	→		Did calibration meet criteria in the sampling protocol? (Y or N)	
Calibration by	[signature]	[signature]			Signature or initials	
Physical Condition of Unit			Good			

Geo-Logic
ASSOCIATES

FIELD CALIBRATION DOCUMENTATION FORM

LOCATION (Site/Facility Name) Sunshine canyon PROJECT NAME / NUMBER 5020-1006

Instrument Make/Model #						
Date/Time 06-22-20 0744	pH	Electrical Conductivity (µMhos/cm) (4.49 mg/Kg)	Turbidity (NTU) (0)	DO (mg/L or %)	Guidance Remarks	Comments
Pre. Cal	4.00	4.49	0.0	9.07		
Calibration	4.00	4.49	0.0	8.34		
Calibration Successful? (Y/N)	Yes				enter YES or NO	
Satifies Protocol?	Yes				Did calibration meet criteria in the sampling protocol? (Y or N)	
Calibration by	CRV				Signature or initials	
Physical Condition of Unit	OK					

Geo-Logic ASSOCIATES

FIELD CALIBRATION DOCUMENTATION FORM

LOCATION (Site/Facility Name) Sunshine Canyon **PROJECT NAME / NUMBER** S020.1006

Instrument Make/Model #	Horiba U-52 (RNGOOSKW)					
Date/Time 6/22/2020 0830	**pH**	**Electrical Conductivity (µMhos/cm)** (4.49 mg/Kg)	**Turbidity (NTU)** (0)	**DO (mg/L or %)**	**Guidance Remarks**	**Comments**
Pre. Cal	3.99	4.48	0.0	8.98		
Calibration	4.01	4.49	0.0	8.38		
Calibration Successful? (Y/N)	Y				enter YES or NO	
Satifies Protocol?	Y				Did calibration meet criteria in the sampling protocol? (Y or N)	
Calibration by	MR				Signature or initials	
Physical Condition of Unit	Good					

Geo-Logic ASSOCIATES

FIELD CALIBRATION DOCUMENTATION FORM

LOCATION (Site/Facility Name) Sunshine Canyon **PROJECT NAME / NUMBER** 5020.1006

Instrument Make/Model # 4-52 Waterra						
Date/Time 06-23-2020 0656	**pH**	**Electrical Conductivity (µMhos/cm)** (4.49 mg/Kg)	**Turbidity (NTU)** (0)	**DO (mg/L or %)**	**Guidance Remarks**	**Comments**
Pre. Cal	4.03	4.47	0.5	7.88		
Calibration	4.00	4.49	0.0	7.90		
Calibration Successful? (Y/N)	Yes				enter YES or NO	
Satifies Protocol?	Yes				Did calibration meet criteria in the sampling protocol? (Y or N)	
Calibration by	CRV				Signature or initials	
Physical Condition of Unit	OK					

Geo-Logic ASSOCIATES

FIELD CALIBRATION DOCUMENTATION FORM

LOCATION (Site/Facility Name) SUNSHINE CANYON **PROJECT NAME / NUMBER** S020.1006

Instrument Make/Model #	HORIBA U-52 (RNGJDSKW)					
Date/Time 6/23/2020 0725	pH	Electrical Conductivity (µMhos/cm) (4.49 mg/Kg)	Turbidity (NTU) (0)	DO (mg/L or %)	Guidance Remarks	Comments
Pre. Cal	3.96	4.47	0.0	8.39		
Calibration	4.01	4.49	0.0	8.36		
Calibration Successful? (Y/N)	Y				enter YES or NO	
Satifies Protocol?	Y				Did calibration meet criteria in the sampling protocol? (Y or N)	
Calibration by	NR				Signature or initials	
Physical Condition of Unit			GWD			

Geo-Logic ASSOCIATES

FIELD CALIBRATION DOCUMENTATION FORM

LOCATION (Site/Facility Name) Sunshine Cyn. **PROJECT NAME / NUMBER** 5020.1006

Instrument Make/Model # RS JS494H						
Date/Time 6-24-20 0718	**pH**	**Electrical Conductivity (µMhos/cm)** (4.49 mg/Kg)	**Turbidity (NTU)** (0)	**DO (mg/L or %)**	**Guidance Remarks**	**Comments**
Pre. Cal	4.11	4.56	0.6	13.21		
Calibration	4.00	4.49	←	8.61		
Calibration Successful? (Y/N)	Yes	→	→	→	enter YES or NO	
Satifies Protocol?	Yes	→	→	→	Did calibration meet criteria in the sampling protocol? (Y or N)	
Calibration by	[signature]	[signature]			Signature or initials	
Physical Condition of Unit		Good				

Geo-Logic ASSOCIATES

FIELD CALIBRATION DOCUMENTATION FORM

LOCATION (Site/Facility Name) Sunshine Canyon **PROJECT NAME / NUMBER** 5020.1006

Instrument Make/Model #	Horiba U-52 (RN6500KW)					
Date/Time 6/24/2020 0700	**pH**	**Electrical Conductivity (µMhos/cm)** (4.49 mg/Kg)	**Turbidity (NTU)** (0)	**DO (mg/L or %)**	**Guidance Remarks**	**Comments**
Pre. Cal	4.00	4.45	0.4	8.55		
Calibration	4.01	4.49	0.0	7.96		
Calibration Successful? (Y/N)	Y				enter YES or NO	
Satifies Protocol?	Y				Did calibration meet criteria in the sampling protocol? (Y or N)	
Calibration by	NR				Signature or initials	
Physical Condition of Unit		Good				

Chain of Custody Record

389655 eurofins | Environment Testi TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Kyle Welchans	Site Contact: Josh Mills	Date: 6-23-2020	COC No:
Company Name: GLA / Republic	Tel/Email: 858-451-1136	Lab Contact: Rossina	Carrier: TIA	1 of 1 COCs
Address: 11415 W. Bernardo Ct	**Analysis Turnaround Time**			Sampler: BS, NR, CV
City/State/Zip: San Diego CA 92127	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
Phone: 858-451-1136	TAT if different from Below _____			Walk-in Client:
Fax: 858-451-1087	☐ 2 weeks			Lab Sampling:
Project Name: Republic Services, Inc	☐ 1 week			
Site: Sunshine Canyon Landfill	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	EPA 8260B VOCs																Sample Specific Notes:
Field Blank	6/23/20	—	G	LAB H2O	4			X																
Trip Blank	6/23/20	—	G	LAB H2O	4			X																

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: 8260 Includes all 40 CFR Part 258 Appdx I VOCs, Dichlorodifluoromethane and MTBE

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	GLA	6-23-20 1400	[signature]	EC-FIELD	6-23-20 14:00
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record

389651

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Kyle Welchans	Site Contact: Josh Mills	Date: 6/24/2020	COC No:
Company Name: GLA (Republic	Tel/Email: 858-451-1136	Lab Contact: Rossana	Carrier: TLA	1 of 1 COCs
Address: 11415 W. Bernardo Ct Suite 200	**Analysis Turnaround Time**			Sampler: BS, CV, NJC
City/State/Zip: San Diego CA 92127	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
Phone: 858-451-1136	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Republic Services, Inc.	☐ 1 week			
Site: Sunshine Canyon Landfill	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	EPA 8260B - VOCs	Total Alkalinity and Bicarbonate	Ammonia as N - EPA 350.2	COD - EPA 410.4	EPA 300.0 - Chloride, Bromide, Nitrate-N, Sulfate	EPA 6010B - Total B, Ca, Fe, Mg, Mn, K, Na	EPA 160.1 - Total Dissolved Solids	EPA 415.1 - Total Organic Carbon	EPA 300.0 - Fluoride	EPA 376.2 - Sulfide	EPA 8270C - 1,4 Dioxane	SM 4500 - CO2 - Carbon Dioxide				Sample Specific Notes:
DW-4	6/24/20	1005	G	GW	13			X	X	X	X	X	X	X	X	X	X	X	X				
MW-2A	6/24/20	0821	G	GW	13			X	X	X	X	X	X	X	X	X	X	X	X				
MW-2B	6/24/20	0917	G	GW	13			X	X	X	X	X	X	X	X	X	X	X	X				
DW-1	6/24/20	0940	G	GW	13			X	X	X	X	X	X	X	X	X	X	X	X				
Field Blank		—	G	LAB H2O	4			X															
Trip Blank	↓	—	G	"	4			X															

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: 8260 VOCs includes all 40 CFR Part 258 Appendix I VOCs, Dichlorodifluoromethane and MTBE.

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Geologic	6-24-20 1210	[signature]	GC ITL	6-24-20 12:10
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record 316171

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Kyle Weldman	Site Contact: J. Mills	Date: 6-23-20	COC No:
Company Name: GLA / Republic	Tel/Fax: 858-451-1136	Lab Contact: Kossina'20	Carrier: TA	1 of 2 COCs
Address: 11415 W. Bernardo Ct.	Analysis Turnaround Time			Sampler: DS, NK, CV
City/State/Zip: S.D., CA 92127	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 858-451-1136	TAT if different from Below _____			Walk-in Client:
Fax: 858-451-1087	☐ 2 weeks			Lab Sampling:
Project Name: Republic Services, Inc.	☐ 1 week			
Site: Sunshine Cyn. Landfill	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	EPA 8260B-VOC	Total Alkalinity (SM2320B)	Ammonia as N (350.1)	COD (410.4)	Chloride (300.0)	NO3-N, Sulfate (300.0)	Nitrite as N (353.2)	Fluoride (SM4500-F C)	TDS (160.1)	TOC (415.1)	Fluoride (300.0)	Sulfide (376.2)	SM4500-S2 D	Carbon Dioxide (RSK175)	8270 Tentatively Identified Compounds			Sample Specific Notes:
LY-7	6/23/20	0800	G	WW	13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
Extraction Trench		0925	↓	↓	13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	V			
Combined Subdrains		1050	↓	↓	13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
MW-9		1310	G	GW	13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
DW-2		0955			13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
DW-3		1120			13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
PZ-4		0835			13			X	X	X	X	X	✓	X	X	X	X	X	X	X	X	X			
MW-1		1144			13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y			
DW-5		1259			13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
MW-5		1030			13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
MW-13R	↓	0848	↓	↓	13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: 8260 Includes all 40 CFR Part 258 Appix. I VOCs Dichlorodifluoromethane and MTBE

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	GLA	6-23-20 1400	[signature]	GC-IRV	6-23-20 14:00
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record 316173

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Kyle Welchans	Site Contact: J. Mills	Date: 6-22-20	COC No:
Company Name: GLA / Republic	Tel/Fax: 858-451-1136	Lab Contact: Rossina	Carrier: T/A	1 of 1 COCs
Address: 11415 W. Bernardo Ct	Analysis Turnaround Time			Sampler: BS, NR, CV
City/State/Zip: S.D., CA. 92127	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 858-451-1136	TAT if different from Below ____			Walk-in Client:
Fax: 858-451-1087	☐ 2 weeks			Lab Sampling:
Project Name:	☐ 1 week			
Site: Sunshine Cyn. Landfill	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	EPA 8260B-VOC	Total Alkalinity and Bicarbonate	Ammonia as N	COD EPA 410.4	Chloride, Bromide	NO3-N, Sulfate	6010B: Total B, Ca, Fe, Mg	Mn, K, Na	TDS EPA 160.1	TOC EPA 415.1	Fluoride (340.2)	Sulfide (376.2)	SM-4500-CO2C-Carbon Dioxide	8270 1,4 Dioxane	Sample Specific Notes
CM-9R3	6/22/20	1017	G	GW	13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CM-10R	↓	0916	↓	↓	13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CM-11R	↓	1227	↓	↓	13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-6	↓	1117	↓	↓	13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-14	↓	0855	↓	↓	13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
PZ-2	↓	1314	↓	GW	13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Subdrain (N)	↓	1200	↓	WW	13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Duplicate	↓	—	↓	GW	13			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Field Blank	↓	—	↓	Lab H2O	4			X														
Trip Blank	↓	—	↓	"	4			X														

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____		
Relinquished by: [signature]	Company: GLA	Date/Time: 6-22-20	Received by: [signature]	Company: EC-JAV	Date/Time: 6/22/20 1345
Relinquished by: [signature]	Company: EC-JAV	Date/Time: 6/22/20	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

ANALYTICAL REPORT

Eurofins Calscience Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

Laboratory Job ID: 440-259568-1
Client Project/Site: Republic Sunshine Canyon

For:
Geo-Logic Associates
11415 West Bernardo Court
Suite 200
San Diego, California 92127

Attn: Kyle Welchans

Authorized for release by:
1/27/2020 3:21:59 PM

Rossina Tomova, Project Manager I
(949)260-3276
rossina.tomova@testamericainc.com

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Case Narrative 4
Client Sample Results 5
Method Summary 6
Lab Chronicle 7
QC Sample Results 8
QC Association Summary 9
Definitions/Glossary 10
Certification Summary 11
Chain of Custody 12
Receipt Checklists 13

Sample Summary

Client: Geo-Logic Associates
Project/Site: Republic Sunshine Canyon

Job ID: 440-259568-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
440-259568-1	MW-13R-A	Water	01/22/20 10:27	01/22/20 18:00	
440-259568-2	MW-13R-B	Water	01/22/20 10:32	01/22/20 18:00	
440-259568-3	FIELD BLANK	Water	01/22/20 00:01	01/22/20 18:00	
440-259568-4	TRIP BLANK	Water	01/22/20 00:01	01/22/20 18:00	

Case Narrative

Client: Geo-Logic Associates
Project/Site: Republic Sunshine Canyon

Job ID: 440-259568-1

Job ID: 440-259568-1

Laboratory: Eurofins Calscience Irvine

Narrative

Job Narrative
440-259568-1

Comments
No additional comments.

Receipt
The samples were received on 1/22/2020 6:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.1º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample ID: MW-13R-A
Lab Sample ID: 440-259568-1
Date Collected: 01/22/20 10:27
Matrix: Water
Date Received: 01/22/20 18:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	10	ug/L			01/23/20 22:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 128*		*01/23/20 22:08*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*01/23/20 22:08*	*1*
Dibromofluoromethane (Surr)	*109*		*76 - 132*		*01/23/20 22:08*	*1*

Client Sample ID: MW-13R-B
Lab Sample ID: 440-259568-2
Date Collected: 01/22/20 10:32
Matrix: Water
Date Received: 01/22/20 18:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	10	ug/L			01/23/20 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 128*		*01/23/20 22:32*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*01/23/20 22:32*	*1*
Dibromofluoromethane (Surr)	*107*		*76 - 132*		*01/23/20 22:32*	*1*

Client Sample ID: FIELD BLANK
Lab Sample ID: 440-259568-3
Date Collected: 01/22/20 00:01
Matrix: Water
Date Received: 01/22/20 18:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	10	ug/L			01/23/20 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 128*		*01/23/20 22:56*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/23/20 22:56*	*1*
Dibromofluoromethane (Surr)	*106*		*76 - 132*		*01/23/20 22:56*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 440-259568-4
Date Collected: 01/22/20 00:01
Matrix: Water
Date Received: 01/22/20 18:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	10	ug/L			01/23/20 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 128*		*01/23/20 23:20*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/23/20 23:20*	*1*
Dibromofluoromethane (Surr)	*105*		*76 - 132*		*01/23/20 23:20*	*1*

Method Summary

Client: Geo-Logic Associates
Project/Site: Republic Sunshine Canyon

Job ID: 440-259568-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
5030B	Purge and Trap	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = Eurofins Calscience Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: Geo-Logic Associates
Job ID: 440-259568-1
Project/Site: Republic Sunshine Canyon

Client Sample ID: MW-13R-A
Lab Sample ID: 440-259568-1
Date Collected: 01/22/20 10:27
Matrix: Water
Date Received: 01/22/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	592080	01/23/20 22:08	OH1	TAL IRV

Client Sample ID: MW-13R-B
Lab Sample ID: 440-259568-2
Date Collected: 01/22/20 10:32
Matrix: Water
Date Received: 01/22/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	592080	01/23/20 22:32	OH1	TAL IRV

Client Sample ID: FIELD BLANK
Lab Sample ID: 440-259568-3
Date Collected: 01/22/20 00:01
Matrix: Water
Date Received: 01/22/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	592080	01/23/20 22:56	OH1	TAL IRV

Client Sample ID: TRIP BLANK
Lab Sample ID: 440-259568-4
Date Collected: 01/22/20 00:01
Matrix: Water
Date Received: 01/22/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	592080	01/23/20 23:20	OH1	TAL IRV

Laboratory References:

TAL IRV = Eurofins Calscience Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-592080/4
Matrix: Water
Analysis Batch: 592080

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	10	ug/L			01/23/20 17:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 128*		*01/23/20 17:45*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*01/23/20 17:45*	*1*
Dibromofluoromethane (Surr)	*106*		*76 - 132*		*01/23/20 17:45*	*1*

Lab Sample ID: LCS 440-592080/1002
Matrix: Water
Analysis Batch: 592080

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acetone			125	124		ug/L		100	10 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 128*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*76 - 132*

Lab Sample ID: 440-259558-F-3 MS
Matrix: Water
Analysis Batch: 592080

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acetone	ND		50.0	39.8		ug/L		80	10 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 128*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*76 - 132*

Lab Sample ID: 440-259558-F-3 MSD
Matrix: Water
Analysis Batch: 592080

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		50.0	44.3		ug/L		89	10 - 150	11	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 128*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*76 - 132*

QC Association Summary

Client: Geo-Logic Associates
Project/Site: Republic Sunshine Canyon

Job ID: 440-259568-1

GC/MS VOA

Analysis Batch: 592080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-259568-1	MW-13R-A	Total/NA	Water	8260B	
440-259568-2	MW-13R-B	Total/NA	Water	8260B	
440-259568-3	FIELD BLANK	Total/NA	Water	8260B	
440-259568-4	TRIP BLANK	Total/NA	Water	8260B	
MB 440-592080/4	Method Blank	Total/NA	Water	8260B	
LCS 440-592080/1002	Lab Control Sample	Total/NA	Water	8260B	
440-259558-F-3 MS	Matrix Spike	Total/NA	Water	8260B	
440-259558-F-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Definitions/Glossary

Client: Geo-Logic Associates
Project/Site: Republic Sunshine Canyon

Job ID: 440-259568-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Accreditation/Certification Summary

Client: Geo-Logic Associates
Job ID: 440-259568-1
Project/Site: Republic Sunshine Canyon

Laboratory: Eurofins Calscience Irvine

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska	State	CA01531	06-30-20
Arizona	State	AZ0671	10-14-20
California	Los Angeles County Sanitation Districts	10256	06-30-20
California	State	2706	06-30-20
Guam	State	19-005R	01-23-20 *
Hawaii	State	CA01531	01-29-20 *
Kansas	NELAP	E-10420	07-31-20
Nevada	State	CA015312020-6	07-31-20
New Mexico	State	CA01531	01-29-20
Oregon	NELAP	4028 - 006	01-29-20 *
USDA	US Federal Programs	P330-18-00214	07-09-21
Washington	State	C900	09-03-20

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
Phone: 949.261.1022 Fax:

Chain of Custody Record 206644

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: KYLE WELCHANS	Site Contact: JOSH MILLS	Date: 1-22-2020	COC No
Company Name: GEOLOGIC ASSOCIATES	Tel/Fax: 858-451-1136	Lab Contact: ROSSINA	Carrier:	1 of 1 COCs
Address: 11415 W. BERNARDO CT SUITE 200	Analysis Turnaround Time			Sampler:
City/State/Zip: SAN DIEGO, CA 92127	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 858-451-1136	TAT if different from Below _____			Walk-in Client
Fax:	☐ 2 weeks			Lab Sampling
Project Name: REPUBLIC SERVICES	☐ 1 week			
Site: SUNSHINE CANYON	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	EPA 8260B - ACETONE	Sample Specific Notes
MW-13R-A	1-22-2020	1027	G	GW	6			X	
MW-13R-B	1-22-2020	1032	G	GW	6			X	
FIELD BLANK	1-22-2020	—	G	LAB H2O	4			X	
TRIP BLANK	1-22-2020	—	G	LAB H2O	4 (2)			X	

440-259568 Chain of Custody

1/23/2020
A.K

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C) Obs'd. _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company	Date/Time	Received by:	Company	Date/Time
	GLA	1-22-2020 / 1140	Will Rivera	EC-IRV	1/22/20 1140
Relinquished by: Will Rivera	Company: EC-IRV	Date/Time: 1/22/20 1800	Received by:	Company	Date/Time:
Relinquished by:	Company:	Date/Time	Received in Laboratory by:	Company: EC IRV	Date/Time: 1/22/20 1800

1.1/1.1 #93

Login Sample Receipt Checklist

Client: Geo-Logic Associates

Job Number: 440-259568-1

Login Number: 259568

List Source: Eurofins Irvine

List Number: 1

Creator: Soderblom, Tim

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Eurofins Calscience Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

Laboratory Job ID: 440-261106-1
Client Project/Site: Republic Sunshine Canyon

For:
Geo-Logic Associates
11415 West Bernardo Court
Suite 200
San Diego, California 92127

Attn: Kyle Welchans

Authorized for release by:
2/28/2020 2:23:53 PM

Rossina Tomova, Project Manager I
(949)260-3276
rossina.tomova@testamericainc.com

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Case Narrative 4
Client Sample Results 5
Method Summary 26
Lab Chronicle 27
QC Sample Results 31
QC Association Summary 44
Definitions/Glossary 48
Certification Summary 49
Chain of Custody 50
Receipt Checklists 51