| Task                        | Dataset     | Metric                         | BigGW        | TokenCut     | TokenCut w/ B.S. | SpectralSeg  | SelfMask      | SelfMask w/ U.B. | FOUND        | UCOS-DA(Ours) |
|-----------------------------|-------------|--------------------------------|--------------|--------------|------------------|--------------|---------------|------------------|--------------|---------------|
|                             |             | Metric                         | ICML'21 [53] | CVPR'22 [61] | CVPR'22 [61]     | CVPR'22 [38] | CVPRw'22 [48] | CVPRw'22 [48]    | CVPR'23 [49] | -             |
| Salient Object Segmentation | ECSSD [46]  | mIoU ↑                         | .689         | .712         | .774             | .733         | .779          | .787             | <u>.805</u>  | .816          |
|                             |             | Acc.↑                          | .905         | .918         | .934             | .891         | .943          | .946             | <u>.948</u>  | .951          |
|                             |             | $F_{\beta}^{max} \uparrow$     | .800         | .803         | .874             | .805         | .892          | .897             | <u>.896</u>  | .891          |
|                             |             | $F_{\beta}^{mean} \uparrow$    | .654         | .801         | .714             | .803         | .861          | .867             | .894         | .888          |
|                             |             | $F_{\beta}^{W} \uparrow$       | .568         | .785         | .630             | .790         | .846          | .852             | .877         | <u>.876</u>   |
|                             |             | $S_{\alpha} \uparrow$          | .783         | .807         | .832             | .806         | .866          | .871             | <u>.875</u>  | .878          |
|                             |             | $E_{\phi}^{max} \uparrow$      | .871         | .886         | .905             | .865         | .928          | <u>.932</u>      | <u>.932</u>  | .934          |
|                             |             | $E_{\phi}^{mean} \uparrow$     | .714         | .884         | .755             | .862         | .920          | .925             | <u>.930</u>  | .931          |
|                             |             | $^{^{T}}\mathcal{M}\downarrow$ | .169         | .082         | .129             | .109         | .058          | .055             | .052         | .049          |
|                             | HKU-IS [29] | mIoU↑                          | .641         | .608         | .673             | .735         | .747          | .755             | <u>.787</u>  | .794          |
|                             |             | Acc.↑                          | .905         | .916         | .936             | .932         | .949          | .951             | <u>.958</u>  | .959          |
|                             |             | $F_{\beta}^{max} \uparrow$     | .760         | .741         | .832             | .815         | .869          | .874             | .877         | .872          |
|                             |             | $F_{\beta}^{mean} \uparrow$    | .611         | .739         | .667             | .812         | .830          | .836             | .875         | <u>.870</u>   |
|                             |             | $F_{\beta}^{W} \uparrow$       | .515         | .703         | .557             | .801         | .818          | .824             | .863         | <u>.861</u>   |
|                             |             | $S_{\alpha} \uparrow$          | .761         | .748         | .777             | .828         | .851          | .856             | <u>.869</u>  | .871          |
|                             |             | $E_{\phi}^{max} \uparrow$      | .859         | .866         | .871             | .896         | .930          | .934             | .939         | <u>.937</u>   |
|                             |             | $E_{\phi}^{mean} \uparrow$     | .696         | .864         | .728             | .894         | .919          | .923             | .936         | <u>.935</u>   |
|                             |             | $\mathcal{M}\downarrow$        | .166         | .084         | .123             | .068         | .052          | .050             | <u>.042</u>  | .041          |