



Laboratory and Ocean Monitoring Division

Mission Statement

To ensure safe recreational and environmental protection; perform sampling, analysis and reporting to document OC San's exemplary regulatory compliance, inclusive of air, biosolids, water recycling and ocean discharge





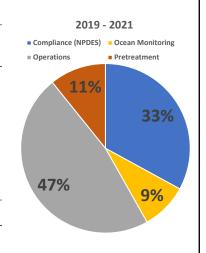


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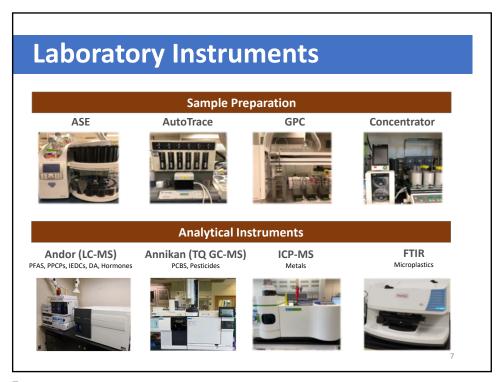
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Laboratory Tests

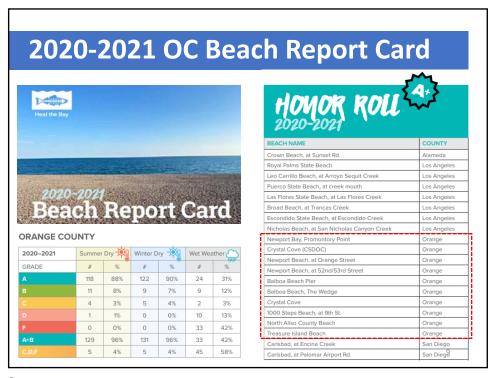
	No. of Laboratory Tests		
Sample Type	2019	2020	2021
General Chemistry	56,274	58,324	58,742
Metals	10,517	10,101	9,981
Microbiology	23,377	23,188	22,063
Organic Chemistry	6,140	6,160	5,422
Toxicology	64	60	70
Total	96,372	97,833	96,278



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From Left to Right

Staff

Dr. Jeff Armstrong (Retired)

Laura Terriquez

Former Directors

Keith Curry

Bob Kiley

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Looking Forward (Research and Innovation)

Strategic Process Studies (SPS)

- Plume modeling
- Changes in discharge footprint using LABs
- Meiofauna baseline assessment
- Use of bioassays for biological response
- Microplastics characterization

Regional Monitoring

- Leverage resources to address regional issues such as:
 - Ocean acidification and Hypoxia (OAH)
 - Persistent contaminants

Innovation and Research

- Method development PFAS, Microplastics, Domoic Acid
- Explore cutting edge technologies

COVID-19 Wastewater Surveillance

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OC San Partners CPublic Works Water Environment Federation The water quality people UCINVERSITY of CALIFORNIA - IRVINE Water Environment Federation The water quality people UCINVERSITY of CALIFORNIA - IRVINE 12

Serving the Community

Protect Public Health and the Environment

Water Quality: Safe to Swim
Sediment Quality: Health Ecosystem

Fish Health: Safe to Eat

Public Outreach

Laboratory Tours (including virtual) Open House Science Fairs

Children's Water Festival



Technical/Professional Organizations

SCAMIT TNI Committee SCAS
SETAC Standard Methods SCAITE
ELTAC CSEA SCUM

ASM CWEA

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Questions



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