ENCINA WASTEWATER AUTHORITY

A Public Agency

6200 Avenida Encinas
Carlsbad, CA 92011-1095
Telephone (760) 438-3941
FAX (760) 438-3861
(Plant)

February 27, 2023

Via CIWQS

Ref: EC 23-0021

California Regional Water Quality Control Board
San Diego Region
2375 Northside Drive, Suite 100
San Diego, CA 92108

Attention: Ms. Joann Lim

SUBJECT: Submittal of 2022 Annual Pretreatment Program Report Period January 1, 2022 through December 31, 2022

Dear Joann,

Enclosed please find a copy of the Encina Wastewater Authority Annual Pretreatment Program Report for 2022. This report is submitted as required by NPDES Permit Number CA0107395.

Please contact Alicia Appel, Director of Environmental Compliance, at 760-268-8861 if you have any questions.

Sincerely,

Scott McClelland
General Manager

Attachment

cc: Amelia Whitson, EPA Region IX
Gurgangn/ "Gur" Chand, State Water Resources Control Board
Gary Erbeck, San Diego County Department of Environmental Health

ENCINA WASTEWATER AUTHORITY

A Public Agency

6200 Avenida Encinas
Carlsbad, CA 92011-1095
Telephone (760) 438-3941
FAX (760) 438-3861
(Plant)

ENCINA WASTEWATER AUTHORITY

2022 ANNUAL PRETREATMENT PROGRAM REPORT

NPDES PERMIT HOLDER AND SEWER AUTHORITY NAME:	Encina Wastewater Authority
REPORT DATE:	February 27, 2023
PERIOD COVERED BY THIS REPORT:	January 1 – December 31, 2022
NAME OF POTW:	Encina Water Pollution Control Facility
NPDES PERMIT NUMBER:	CA0107395

PERSON TO CONTACT CONCERNING INFORMATION CONTAINED IN THIS REPORT:

Alicia Appel
Director of Environmental Compliance
Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011-1095
Telephone: (760) 268-8861

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Scott McClelland
General Manager

Dated: 2/22/2023

Encina Wastewater Authority
Annual Pretreatment Program Report

Table of Contents

Program Summary

The Encina Wastewater Authority (EWA) operates an approved pretreatment program in North San Diego County. EWA is a joint powers authority consisting of six member agencies: the Cities of Vista, Carlsbad, and Encinitas, as well as the Vallecitos Water District, the Buena Sanitation District, and the Leucadia Wastewater District. The Encina System is comprised of the collection, treatment and disposal facilities of its member agencies including: the Encina Water Pollution Control Facility, the Gafner Water Reclamation Facility, the Meadowlark Water Reclamation Facility, the Carlsbad Water Recycling Facility, and the Encina Ocean Outfall.

The EWA service area encompasses a population of approximately 378,976 and covers a 125 square mile area. This area is predominantly characterized by residential development. At the end of 2022, the combined flow to the EWPCF and MWRF was approximately (24.83 MGD) and the total combined industrial flow to both plants was approximately (0.36 MGD) and represented only 1.45% of the total average daily influent to both treatment plants. Although 2022 had a slight uptick in percentage of industrial flows, the manufacturing sector and residential population growth in the service area remained fairly steady.

During 2022, there were no incidents of upset or pass-through at EWA directly attributed to industrial users. Encina did experience treatment plant upset conditions between April 27 and April 30, 2022, which resulted in violations of weekly average effluent limits for Carbonaceous Biochemical Oxygen Demand (CBOD) in both pounds per day (lbs/day) and concentration in milligrams per liter (mg/L). The cause for this upset is undetermined but the Source Control group effectively investigated and ruled out permitted industrial waste sources. All other monitoring of the Encina Ocean Outfall and receiving water in 2022 demonstrated compliance with regulatory standards.

During 2022, EWA had 56 permitted Industrial Users (IUs): 16 Categorical Industrial Users (CIUs), four Non-categorical Significant Industrial Users (SIUs) and 36 Class III Industrial Users (Non-Significant CIUs, R/D, zero-discharge CIUs, and other businesses with the potential to impact the Encina System). EWA staff conducted a total of 100 Inspections including 54 annual inspections, 27 site visits, 14 investigative inspections, and five enforcement inspections.

EWA and the industrial users were able to perform all required monitoring during the calendar year. A total of 244 monitoring events were performed during the calendar year. EWA collected samples from 114 monitoring events, including 86 from CIU/SIU categories. Nearly all sample events involved setting up a 24 hour composite sampler, required two visits by EWA inspection staff to the permitted industry per event. Permitted Industries collected samples from 130 monitoring events including 93 from CIU/SIU categories. Laboratory data confirm that EWA's Best Management Practices (BMP) Program is effective overall in limiting the level of pollutants discharged to the Encina System.

EWA maintains a proactive enforcement stance. During 2022, 47 Notices of Violation (NOVs) were issued and $86,350 in fines and enforcement costs were assessed. Four of the 20 CIU/SIUs active in the service area during the year were found to be in Significant Non-Compliance (SNC). All four of the industries in SNC during the year are implementing corrective actions and working to demonstrate compliance.

Local Limit Studies for the Encina Water Pollution Control Facility (EWPCF) and Meadowlark Water Reclamation Facility (MWRF) were completed in December 2009; final approval was received from the San Diego Regional Water Quality Control Board (RWQCB) on March 14, 2012. EWA's Pretreatment Ordinance was amended to reflect the new technically-based local limits, including other recommended changes. EWA's renewed NPDES permit became effective on November 1, 2018. With the issuance of the permit, EWA retained the services of Larry Walker Associates to perform a local limits evaluation for both the EWPCF and MWRF. Larry Walker Associates submitted final local limit evaluations for the two plants. The evaluation determined that, overall, the existing local limits are adequate and protective of the Encina Wastewater Authority's facilities. The evaluations findings were submitted to the board on August 19, 2020.

Summary of Analytical Results

Data required in this section has been reported electronically to the California RWQCB through the California Integrated Water Quality System (CIWQS). Please refer to the Encina Water Pollution Control Facility and Ocean Outfall 2022 monthly, quarterly, and semiannual self-monitoring reports for Order No. R9-2018-0059, NPDES Permit No. CA0107395. Full priority pollutant scans of the influent and effluent for the EWPCF and MWRF are attached in Appendix A.

Upset, Interference or Pass-through Incidents

During 2022, there were no incidents of upset or pass-through at EWA directly attributed to industrial users. Encina did experience treatment plant upset conditions between April 27 and April 30, 2022, which resulted in violations of weekly average effluent limits for Carbonaceous Biochemical Oxygen Demand (CBOD) in both pounds per day (lbs/day) and concentration in milligrams per liter (mg/L). As reported in CIWQS on May 31, 2022, the cause for this upset is undetermined but the Source Control group effectively investigated and ruled out permitted industrial waste sources. All other monitoring of the Encina Ocean Outfall and receiving water in 2022 demonstrated compliance with regulatory standards.

Industrial Users

At the end of 2022, the combined flow to the EWPCF and MWRF was approximately 24.83 MGD and the total combined industrial flow to both plants was approximately 0.36

MGD and represented only 1.45% of the total average daily influent to both treatment plants. Although last year was a slight uptick in percentage of industrial flows, the manufacturing sector and residential population growth in the service area remain fairly steady.

Appendix B contains a list of all SIUs along with: federal category, if applicable; type of pretreatment in place; the number of inspections conducted; the number of samples collected by EWA; the number of samples collected by the IU; the number of limit violations; the IU's compliance status by quarter; whether all Total Toxic Organics (TTO) certifications or monitoring data were submitted; and a summary of any enforcement actions taken. Below is a list of additions, changes of status, and deletions that occurred during the year.

Additions

- Premier Nutra Pharma (PNP) is located at 5800 Newton Drive in Carlsbad. PNP's primary business is the formulation of nutritional supplements in the form of soft gel capsules, liquid capsules, powder blends and infused gummies. PNP was found in 2021 to be discharging federally regulated wastewater without a permit and was issued a Cease and Desist order until a Class I permit could be issued. The Class I permit was issued in May of 2022 and the industry is regulated as a Pharmaceutical Manufacturer under 40 CFR 439.47 – Subpart D – mixing, compounding, and formulating (PSNS). Federally-regulated wastewater is generated by CIP production equipment washing, utensil and other production equipment/container cleaning, and plant washdown. Industrial wastewater is treated through a 3-stage clarifier.
- SAFC (Whiptail facility) opened a second location at 2827 Whiptail Loop in Carlsbad. SAFC is a contract manufacturing facility producing viral vectors used in vaccine and therapeutic clinical products. The industry grows bacteria and harvests and extracts specific molecular structures within the bacteria for use in various clinical products. SAFC is regulated under 40 CFR 439.27 Subpart B – Extraction Products (PSNS). Initial testing showed the industrial wastewater generated does not meet discharge requirements. SAFC will continue to haul all federally-regulated wastewater for offsite disposal while they research potential pretreatment options. SAFC was issued a Class III zero discharge permit on November 8, 2022.
- Natural Alternatives International (NAI) added a Carlsbad location on Farnsworth Ct, which performs similar operations to the already permitted facility in Vista. NAI's primary business is manufacturing dietary supplements and nutritional powders. This facility is regulated under 40 CFR 439.47 Subpart D: mixing, compounding, and formulating (PSNS). All industrial wastewater is routed to a 3-chamber clarifier. A Class I permit was issued in Q4 2022, however due to construction delays no industrial wastewater was generated in 2022.
- Hayes Handpiece Franchise (HHF) was identified during an annual inspection of Ortho Organizers and is located at 1822 Ashton Avenue Suite B in Carlsbad. HHF is a dental tool repair facility and the core metal finishing operation of

etching is occasionally performed as part of the repair process. The facility is subject to 40 CFR Part 433.17 Metal Finishing (PSNS) and the facility complies with the regulation by not discharging any federally regulated wastewater to sewer. A Class III zero discharge permit was issued in Q3 2022.

- Ostendo Technology Inc. (OTI) located at 6231 Yarrow Drive in Carlsbad and is an R&D facility that fabricates quantum photo imagers. The processes performed would be regulated under 40 CFR 469.18 Electrical and Electronic Components Subpart A – Semiconductor subcategory (PSNS). However, since this is a stand-alone R&D facility, the facility is exempted from federal regulations. The R&D semiconductor fabrication includes oxidation, lithography, etching, electroplating, vapor phase deposition, and layering. The industry submits semi-annual CSRs with a R&D certification.

Changes of Status

- Westbridge Agricultural Products is now San Agrow, name change.
- Callaway Golf is now Top Golf Callaway Brands, name change.
- Lancer Orthodontics relocated from Vista to Carlsbad.
- SAFC (El Camino) changed classification from BMP to Class III, a result of no longer qualifying for the R&D exemption from federal regulation. SAFC is now a categorical zero discharge facility regulated under 40 CFR 439.47.
- Javo Beverage changed classification from BMP to Class II, due to significant increase in discharge volume, and they now discharge >25,000 gpd. Javo primarily produces premade coffee drinks and tea, and treats wastewater by pH neutralization, screening and settling.

Deletions

- CoorsTek, relocated out of state. A site inspection verified all operations had ceased and the equipment had been dismantled. The permit was rescinded on 2/28/2022.
- Anything Liquid Manufacturing, went out of business. A site visit confirmed the facility had been vacated. The permit was rescinded on 10/25/2022.

Appendix C contains a list of industries that EWA has designated as Non-Significant Categorical Industrial Users (NSCIUs) based on their limited ability to impact the Encina System (discharge less than 100 gallons per day, never discharge concentrated wastestreams, and have demonstrated compliance with applicable discharge limits.) EWA continues to perform annual inspections of these businesses and each industry must submit semiannual certification statements that they continue to meet the NSCIU criteria.

Baseline Monitoring Report Requirements

Four Baseline Monitoring Reports (BMR) were received in 2022, two from Categorical Industrial Users. Ionis Pharmaceuticals regulated under 40 CFR 439 Subpart C Chemical Synthesis, submitted a BMR approximately 90 days in advance of their limited

commercial production run in Q3 2022. The BMR submitted demonstrated the industry's compliance with all federal and local pretreatment standards.

The second Categorical BMR was received from Premier Nutra Pharma Inc, regulated under 40 CFR 439 Subpart D with their application documents. The document demonstrated the industry's compliance with all local and federal pretreatment standards.

The remaining two BMR's were collected for local limit evaluations from either new industry or new waste streams from existing industrial users. Both showed compliance with applicable standards.

Enforcement Activities

EWA maintains a proactive enforcement stance in accordance with the Enforcement Response Plan and Guide. Administrative Orders are not an approved element of EWA's Enforcement Response Plan. During the 2022 calendar year, 47 Notices of Violation (NOVs) were issued and $86,350 in fines and enforcement costs were assessed. Two ongoing enforcement issues are described below:

SAFC Carlsbad, Inc.
Based on information obtained during a site visit conducted on July 7, 2020, plus research and information submitted by the industry, it was determined that SAFC Carlsbad, Inc. was discharging federally regulated wastewater generated from viral vector manufacturing operations including cell culturing and purification plus associated equipment and glassware cleaning and manufacturing area floor mopping to sewer. These operations are subject to regulation under the Pharmaceutical Manufacturing Pretreatment Standards set forth in 40 CFR 439.47. Section 3.1 of the Encina Wastewater Authority's (EWA) Pretreatment Ordinance prohibits the discharge of industrial wastewater to the Encina Sewerage System without applying for and obtaining the proper permit. Therefore, on July 22, 2020, a Cease and Desist Letter was issued. On December 20, 2022, NOV 22-0093 was issued for $33,750 for the discharge of federally regulated industrial wastewater to the Encina Sewerage System without applying for and obtaining the proper permit.

SAFC Carlsbad Inc. was permitted as a BMP research and development facility. The industrial user intends to transition to a Class I discharge permit subject to 40 CFR 439 Pharmaceutical Manufacturing Subpart D PSNS. The Baseline Monitoring Report submitted in December 2020 demonstrated the need for additional pretreatment prior to initiating discharge.

Premier Nutra Pharma (PNP)
Based on information obtained during an unannounced inspection on August 11, 2021, plus research and information obtained from the industry, it was determined that PNP was discharging federally regulated wastewater generated from softgel and liquid capsule manufacturing plus associated equipment cleaning and manufacturing area floor mopping. These operations are subject to regulation under the Pharmaceutical

Manufacturing Pretreatment Standards set forth in 40 CFR 439.47 Subpart D-mixing, compounding, and formulation (PSNS). Section 3.1 of the Encina Wastewater Authority's (EWA) Pretreatment Ordinance prohibits the discharge of industrial wastewater to the Encina Sewerage System without applying for and obtaining the proper permit. Therefore, on August 22, 2021, a Cease and Desist Letter was issued to PNP until a Class 1 permit was issued. On May 5, 2022, PNP was issued a Class I Discharge Permit to discharge 2,100 gpd of industrial wastewater to sewer. On December 20, 2022, NOV 22-0092 was issued for $11,200 for the discharge of federally regulated industrial wastewater to the Encina Sewerage System without applying for and obtaining a proper permit.

SIUs in Significant Non Compliance (SNC). In Calendar year 2022, four of the twenty CIU/SIUs active in the service area during the year were found to be in SNC, including a Technical Review Criteria (TRC) violation for a single monthly average excursion.

Captek Softgel International, Inc.:
Captek was in chronic SNC for each of the four evaluation periods due to exceeding the limit for Biochemical Oxygen Demand (BOD). Captek was also in SNC for failure to meet an interim compliance date in the fourth quarter 2022. In calendar year 2022, the IU was issued 8 NOVs and $14,900 in fines and fees. In the calendar year, the following violations were identified: 15 BOD exceedances, failure to meet an Interim Compliance Date, six failures to notify, two >30-day late reports. Captek attributes the limit violations to a rapid increase in business over the past 1.5 years. Captek implemented a strategic sampling program to investigate and evaluate potential sources of the BOD loading in industrial wastewater discharges and unsuccessfully attempted numerous interim measures to reduce the BOD. Due to the pattern of noncompliance and inability of Captek to maintain consistent permit compliance, they were put on a compliance schedule on April 15, 2022. The first pretreatment system (ozone with carbon filtration) failed to reduce the BOD to acceptable levels. Captek acted quickly to implement an alternative pretreatment system, a dissolved air floatation (DAF) system. Due to Captek's quick action to implement alterative pretreatment, EWA management has decided to extend the final compliance date to April 14, 2023. Captek expects to demonstrate compliance on or before April 14, 2023.

Cintas Corporation:
Cintas was in Chronic SNC in the first evaluation period for BOD and in TRC SNC in the second evaluation period for BOD. In the 2022 calendar year, the IU was issued 10 NOVs for $9,750 in fines and fees for the following issues: 5 BOD, 1 Oil/Grease, 2 failure to notify, 1 late report, 1 late report >30 days, and 2 incomplete reports. They were put on a compliance schedule on August 25, 2022. Cintas attributes the limit violations to a rapid increase in business over the past 1.5 years along with failing pumps and shakers in the pretreatment system. This situation was reportedly exacerbated by delays in sourcing replacement parts. Cintas's corrective actions include stocking replacement parts for all crucial components to avoid deficiencies in their pretreatment system, plus increased frequency of sludge removal from the WW collection pits. They expect to demonstrate compliance on or before March 1, 2023.

Primarch Manufacturing:
Primarch Manufacturing in Vista was in TRC SNC for a single acetone Monthly Average Violation (Q4 2022) in the fourth evaluation period. In 2022, the IU was issued one NOV for $100 in fines and fees. Primarch was unable to identify the cause of the single MA Acetone violation. However, they retrained the employees on the cleaning SOPs and believe they will be able to achieve compliance.

Premier Nutra Pharma:
In SNC for submitting the 90-Day Compliance Report >30 days late. The report was due on August 5, 2022 and submitted on 11/17/2022. The IU was issued three NOVs with $15,400 in fines and fees.

Pollution Prevention Plans

No industries have submitted or been required to submit a pollution prevention plan.

Best Management Practices Program

In addition to the regulation of SIUs, EWA implements a BMP Program to reduce the level of pollutants entering the system and reaching the EWPCF. EWA currently has 605 businesses in the BMP program. Users agree to implement a variety of actions directed at reducing the level of pollutants in their discharge. Inspections by EWA staff, along with periodic inventory efforts with Member Agencies and regulatory databases, are used to verify program effectiveness and industry coverage.

Significant Changes in Pretreatment Program Operation

In 2022, EWA made no significant changes in the operation of the Pretreatment Program.

Sewage Transfer Agreement Between the City of Oceanside and City of Vista

The City of Vista maintains an agreement with the City Oceanside to provide a connection to the City of Vista collection system for wastewater disposal. During calendar year 2022, the City of Oceanside discharged an average of 1.32 MGD to the City of Vista collection system. The wastewater is then conveyed to the Encina Water Pollution Control Facility for treatment and discharge to the Pacific Ocean. The agreement requires the City of Oceanside to administer EWA's local limits and pretreatment ordinance and allows for a maximum average daily flow of 2.15 MGD.

The area contributing wastewater to the City of Vista is characterized as mainly residential with light commercial. The City of Oceanside reports that there were no additional

Significant Industrial Users active in the service area contributing to the City of Vista for the remainder of CY 2022.

Summary of Annual Pretreatment Budget

FY 2022 budget for EWA's Pretreatment Program is $920,931. The FY 2023 budget for the Pretreatment Program is $1,036,872. A line-item detail of the budget is attached for reference in Appendix D.

Public Education

The EWPCF has been designed to maximize the use of alternative and renewable resources, including methane gas and biosolids, plus generate effluent for recycled wastewater operations. In 2022, EWA continued multiple plant enhancement and rehabilitation projects, which includes Digester Improvements and Rehabilitation, Primary Area Improvements and Rehabilitation, Cogeneration Building Structural Repair, and Network Improvements. Due to the ongoing construction projects and COVID-19 pandemic measures, EWA temporarily halted public tours starting in September 2019. Tours may reinitiate once it is deemed appropriate.

EWA also generally participates in other community outreach activities. In 2022, EWA purchased new public outreach gifts to promote sustainability and environmental awareness while representing EWA at participating member agency events. Encina Source Control staff brought a wastewater treatment plant demonstration model to community events including: Alta Vista Fall Fun Festival on October 15, 2022, the Carlsbad Citizens Academy on April 14, 2022, Agua Hedionda Lagoon World Water Day on March 12, 2022.

EWA staff regularly provide information via phone and e-mails to private citizens and inquiring parties. In addition, copies of the brochure entitled "10 Simple Things You Can Do to Protect the Ocean" were provided to various organizations and private citizens as requested, plus EWA maintains multiple social media outlets and the EWA homepage.

40 CFR Part 403.8(f)(2)(viii) requires at least annual public notification, in the largest daily newspaper in the POTW's service area, of industrial users, which at any time during the previous twelve months, were found in significant non-compliance. Attached in Appendix E is a copy of the SNC publication for the period of January 1 to December 31, 2022.

Biosolids Disposal Methods

In 2022, EWA produced approximately 7,175.72 Dry Metric Tons (DMT) of Class A and Class B biosolids, plus digester cleaning biosolids were generated. MPE Environmental transported (867.64 DMT) of digester cleaning biosolids to Copper Mountain Landfill.

Denali transported 5,337.25 DMT to farms in Yuma, Arizona or Blythe, California for land application. The remaining (970.82 DMT) was sold and/or given away for use in the following applications: golf courses, nurseries, High School FFA Organizations, soil blenders, and fertilizer products.

Laboratory data demonstrates that metal levels in the biosolids are well below the allowable pollutant concentrations for land application as found in Table 3 of 40 CFR Part 503.13. The ability to consistently meet these standards is largely due to EWA's small industrial base and effective Pretreatment Program.

Appendix A – Priority Pollutant Laboratory Data

SAMPLE RESULTS REPORT

Report Date : 5/3/2022

REPORT TO	ELAP Certification No. 1441 220428005

Sample ID	Sample Point	Analyte Name	Result	Units	Method Reference
	Encina Influent			**Collected: 02/23/2022**	**Time: 08:59**
		Zinc by ICP	**0.206**	mg/L	EPA 200.7
		Thallium by ICP	**<0.028**	mg/L	EPA 200.7
		Silver by ICP	**<0.026**	mg/L	EPA 200.7
		Selenium by ICP	**<0.026**	mg/L	EPA 200.7
		Nickel by ICP	**<0.016**	mg/L	EPA 200.7
		Molybdenum by ICP	**<0.016**	mg/L	EPA 200.7
		Lead by ICP	**<0.020**	mg/L	EPA 200.7
		Copper by ICP	**0.110**	mg/L	EPA 200.7
		Chromium by ICP	**<0.016**	mg/L	EPA 200.7
		Cadmium by ICP	**<0.016**	mg/L	EPA 200.7
		Beryllium by ICP	**<0.018**	mg/L	EPA 200.7
		Arsenic by ICP	**<0.018**	mg/L	EPA 200.7
		Antimony by ICP	**<0.032**	mg/L	EPA 200.7

Certified By: Rachael Morgan for Jeff Parks **Date:** 5.3.22

Jeff Parks, Laboratory Manager

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders:	2B23108	**Report Date:**	3/24/2022
		Received Date:	02/23/2022
Project:	2022 Annual Encina Influent Priority Pollutant Scan	**Turnaround Time:**	Normal
		Phones:	(760) 268-8801
		Fax:	
Attn:	Jeff Parks	**P.O. #:**	
Client:	Encina Wastewater Authority 6200 Avenida Encinas Carlsbad, CA 92011	**Billing Code:**	

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Jeff Parks,

Enclosed are the results of analyses for samples received 2/23/22 with the Chain-of-Custody document. The samples were received in good condition, at 3.1 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Kim G. Tu
Project Manager

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported:
03/24/2022 11:33

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
Encina Influent	Steven Nguyen	2B23108-01	Water	02/22/22 08:54	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Sample Results

Sample: Encina Influent
2B23108-01 (Water)

Sampled: 02/22/22 8:54 by Steven Nguyen

Acid and Base/Neutral Extractables by GC/MS

Method: EPA 625.1 **Instr:** GCMS06

Batch ID: W2B1608 **Preparation:** EPA 625/L-L SF **Prepared:** 02/24/22 08:36 **Analyst:** rmr

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
1,2,4-Trichlorobenzene	ND	9.8	20	ug/l	20	03/04/22	M-04
1,2-Dichlorobenzene	ND	9.2	20	ug/l	20	03/04/22	M-04
1,2-Diphenylhydrazine/Azobenzene	ND	6.0	20	ug/l	20	03/04/22	M-04
1,3-Dichlorobenzene	ND	8.4	20	ug/l	20	03/04/22	M-04
1,4-Dichlorobenzene	ND	9.6	20	ug/l	20	03/04/22	M-04
2,4,6-Trichlorophenol	ND	4.4	20	ug/l	20	03/04/22	M-04
2,4-Dichlorophenol	ND	5.2	20	ug/l	20	03/04/22	M-04
2,4-Dimethylphenol	ND	15	20	ug/l	20	03/04/22	M-04
2,4-Dinitrophenol	ND	37	200	ug/l	20	03/04/22	M-04
2,4-Dinitrotoluene	ND	9.2	20	ug/l	20	03/04/22	M-04
2,6-Dinitrotoluene	ND	5.4	20	ug/l	20	03/04/22	M-04
2-Chloronaphthalene	ND	9.0	20	ug/l	20	03/04/22	M-04
2-Chlorophenol	ND	5.6	20	ug/l	20	03/04/22	M-04
2-Methyl-4,6-dinitrophenol	ND	10	100	ug/l	20	03/04/22	M-04
2-Nitrophenol	ND	5.2	20	ug/l	20	03/04/22	M-04
3,3'-Dichlorobenzidine	ND	50	100	ug/l	20	03/04/22	M-04
4-Bromophenyl phenyl ether	ND	7.2	20	ug/l	20	03/04/22	M-04
4-Chloro-3-methylphenol	ND	4.6	20	ug/l	20	03/04/22	M-04
4-Chlorophenyl phenyl ether	ND	8.2	20	ug/l	20	03/04/22	M-04
4-Nitrophenol	ND	25	100	ug/l	20	03/04/22	M-04
Acenaphthene	ND	7.6	20	ug/l	20	03/04/22	M-04
Acenaphthylene	ND	7.0	20	ug/l	20	03/04/22	M-04
Anthracene	ND	8.2	20	ug/l	20	03/04/22	M-04
Benzidine	ND	64	200	ug/l	20	03/04/22	M-04
Benzo (a) anthracene	ND	3.8	20	ug/l	20	03/04/22	M-04
Benzo (a) pyrene	ND	7.8	20	ug/l	20	03/04/22	M-04
Benzo (b) fluoranthene	ND	9.2	20	ug/l	20	03/04/22	M-04
Benzo (g,h,i) perylene	ND	8.4	40	ug/l	20	03/04/22	M-04
Benzo (k) fluoranthene	ND	4.4	20	ug/l	20	03/04/22	M-04
Bis(2-chloroethoxy)methane	ND	5.0	20	ug/l	20	03/04/22	M-04
Bis(2-chloroethyl)ether	ND	5.4	20	ug/l	20	03/04/22	M-04
Bis(2-chloroisopropyl)ether	ND	7.6	20	ug/l	20	03/04/22	M-04, Q-ME
Bis(2-ethylhexyl)phthalate	ND	46	100	ug/l	20	03/04/22	M-04
Butyl benzyl phthalate	ND	9.8	20	ug/l	20	03/04/22	M-04
Chrysene	ND	3.8	20	ug/l	20	03/04/22	M-04

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Sample Results

(Continued)

Sample: Encina Influent
2B23108-01 (Water)

Sampled: 02/22/22 8:54 by Steven Nguyen

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W2B1608 **Preparation:** EPA 625/L-L SF			**Prepared:** 02/24/22 08:36			**Analyst:** rmr	
Dibenzo (a,h) anthracene	ND	3.0	40	ug/l	20	03/04/22	M-04
Diethyl phthalate	ND	7.0	20	ug/l	20	03/04/22	M-04
Dimethyl phthalate	ND	3.6	20	ug/l	20	03/04/22	M-04
Di-n-butyl phthalate	ND	6.8	20	ug/l	20	03/04/22	M-04
Di-n-octyl phthalate	ND	9.2	20	ug/l	20	03/04/22	M-04
Fluoranthene	ND	6.9	20	ug/l	20	03/04/22	M-04
Fluorene	ND	7.0	20	ug/l	20	03/04/22	M-04
Hexachlorobenzene	ND	9.8	20	ug/l	20	03/04/22	M-04
Hexachlorobutadiene	ND	9.4	20	ug/l	20	03/04/22	M-04
Hexachlorocyclopentadiene	ND	6.2	100	ug/l	20	03/04/22	M-04
Hexachloroethane	ND	10	20	ug/l	20	03/04/22	M-04
Indeno (1,2,3-cd) pyrene	ND	4.9	40	ug/l	20	03/04/22	M-04
Isophorone	ND	4.2	20	ug/l	20	03/04/22	M-04
Naphthalene	ND	9.8	20	ug/l	20	03/04/22	M-04
Nitrobenzene	ND	7.2	20	ug/l	20	03/04/22	M-04
N-Nitrosodimethylamine	ND	10	20	ug/l	20	03/04/22	M-04
N-Nitrosodi-n-propylamine	ND	5.2	20	ug/l	20	03/04/22	M-04
N-Nitrosodiphenylamine	ND	3.8	20	ug/l	20	03/04/22	M-04
Pentachlorophenol	ND	8.0	20	ug/l	20	03/04/22	M-04
Phenanthrene	ND	6.4	20	ug/l	20	03/04/22	M-04
Phenol	ND	16	20	ug/l	20	03/04/22	M-04
Pyrene	ND	5.0	20	ug/l	20	03/04/22	M-04
Surrogate(s)							
2,4,6-Tribromophenol	*136%*	*Conc: 57.6*	*25-120*			*03/04/22*	*S-11*
2-Fluorobiphenyl	*89%*	*Conc: 18.9*	*22-120*			*03/04/22*	
2-Fluorophenol	*44%*	*Conc: 18.6*	*17-120*			*03/04/22*	
Nitrobenzene-d5	*65%*	*Conc: 13.7*	*47-120*			*03/04/22*	
Phenol-d5	*31%*	*Conc: 13.1*	*12-120*			*03/04/22*	
Terphenyl-d14	*122%*	*Conc: 25.9*	*44-129*			*03/04/22*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 608.3			**Instr:** GC07				
Batch ID: W2B1698 **Preparation:** EPA 608/L-L SF			**Prepared:** 02/25/22 08:34			**Analyst:** RJG	
4,4´-DDD	ND	0.070	5.0	ug/l	10	03/04/22	M-02, M-04
4,4´-DDE	ND	0.070	5.0	ug/l	10	03/04/22	M-02, M-04
4,4´-DDT	ND	0.11	5.0	ug/l	10	03/04/22	M-02, M-04
Aldrin	ND	0.10	5.0	ug/l	10	03/04/22	M-02, M-04

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Sample Results

(Continued)

Sample: Encina Influent
2B23108-01 (Water)

Sampled: 02/22/22 8:54 by Steven Nguyen

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 608.3			**Instr:** GC07				
Batch ID: W2B1698 **Preparation:** EPA 608/L-L SF			**Prepared:** 02/25/22 08:34				**Analyst:** RJG
alpha-BHC	ND	0.11	5.0	ug/l	10	03/04/22	M-02, M-04
Aroclor 1016	ND	2.9	100	ug/l	10	03/04/22	M-02, M-04
Aroclor 1221	ND	6.0	100	ug/l	10	03/04/22	M-02, M-04
Aroclor 1232	ND	15	100	ug/l	10	03/04/22	M-02, M-04
Aroclor 1242	ND	9.5	100	ug/l	10	03/04/22	M-02, M-04
Aroclor 1248	ND	8.3	100	ug/l	10	03/04/22	M-02, M-04
Aroclor 1254	ND	4.0	100	ug/l	10	03/04/22	M-02, M-04
Aroclor 1260	ND	5.5	100	ug/l	10	03/04/22	M-02, M-04
beta-BHC	ND	0.15	5.0	ug/l	10	03/04/22	M-02, M-04
Chlordane (tech)	ND	4.3	50	ug/l	10	03/04/22	M-02, M-04
delta-BHC	ND	0.19	5.0	ug/l	10	03/04/22	M-02, M-04
Dieldrin	ND	0.080	5.0	ug/l	10	03/04/22	M-02, M-04
Endosulfan I	ND	0.090	5.0	ug/l	10	03/04/22	M-02, M-04
Endosulfan II	ND	0.070	5.0	ug/l	10	03/04/22	M-02, M-04
Endosulfan sulfate	ND	0.13	5.0	ug/l	10	03/04/22	M-02, M-04
Endrin	ND	0.17	5.0	ug/l	10	03/04/22	M-02, M-04
Endrin aldehyde	ND	0.19	5.0	ug/l	10	03/04/22	M-02, M-04
gamma-BHC (Lindane)	ND	0.040	5.0	ug/l	10	03/04/22	M-02, M-04
Heptachlor	ND	0.060	5.0	ug/l	10	03/04/22	M-02, M-04
Heptachlor epoxide	ND	0.040	5.0	ug/l	10	03/04/22	M-02, M-04
Methoxychlor	ND	0.14	5.0	ug/l	10	03/04/22	M-02, M-04
Toxaphene	ND	8.5	200	ug/l	10	03/04/22	M-02, M-04
Surrogate(s)							
Decachlorobiphenyl	*85%*	*Conc: 0.845*	*33-133*			*03/04/22*	
Tetrachloro-meta-xylene	*73%*	*Conc: 0.734*	*32-130*			*03/04/22*	
Volatile Organic Compounds by P&T and GC/MS							
Method: EPA 624.1			**Instr:** GCMS21				
Batch ID: W2B1715 **Preparation:** EPA 5030			**Prepared:** 02/25/22 09:43				**Analyst:** ADM
1,1,1-Trichloroethane	ND	6.2	20	ug/l	20	02/25/22	M-05
1,1,2,2-Tetrachloroethane	ND	7.6	20	ug/l	20	02/25/22	M-05
1,1,2-Trichloroethane	ND	8.4	20	ug/l	20	02/25/22	M-05
1,1-Dichloroethane	ND	6.4	20	ug/l	20	02/25/22	M-05
1,1-Dichloroethene	ND	6.4	20	ug/l	20	02/25/22	M-05
1,2-Dichloroethane	ND	11	20	ug/l	20	02/25/22	M-05
1,2-Dichloropropane	ND	8.4	20	ug/l	20	02/25/22	M-05
2-Butanone	ND	39	100	ug/l	20	02/25/22	M-05

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Sample Results

(Continued)

Sample: Encina Influent
2B23108-01 (Water)

Sampled: 02/22/22 8:54 by Steven Nguyen

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Method: EPA 624.1 **Instr:** GCMS21

Batch ID: W2B1715 **Preparation:** EPA 5030 **Prepared:** 02/25/22 09:43 **Analyst:** ADM

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
2-Chloroethyl vinyl ether	ND	3.8	20	ug/l	20	02/25/22	M-05
2-Hexanone	ND	9.2	100	ug/l	20	02/25/22	M-05
4-Methyl-2-pentanone	ND	12	100	ug/l	20	02/25/22	M-05
Acetone	**210**	32	100	ug/l	20	02/25/22	M-05
Acrolein	ND	23	100	ug/l	20	02/25/22	M-05, O-04
Acrylonitrile	ND	13	40	ug/l	20	02/25/22	M-05
Benzene	ND	9.4	20	ug/l	20	02/25/22	M-05
Bromodichloromethane	ND	8.8	20	ug/l	20	02/25/22	M-05
Bromoform	ND	5.4	20	ug/l	20	02/25/22	M-05
Bromomethane	ND	10	20	ug/l	20	02/25/22	M-05
Carbon Disulfide	**17**	6.6	20	ug/l	20	02/25/22	M-05, Ja
Carbon tetrachloride	ND	5.6	20	ug/l	20	02/25/22	M-05
Chlorobenzene	ND	7.0	20	ug/l	20	02/25/22	M-05
Chloroethane	ND	7.6	20	ug/l	20	02/25/22	M-05
Chloroform	ND	5.8	20	ug/l	20	02/25/22	M-05
Chloromethane	ND	5.8	20	ug/l	20	02/25/22	M-05
cis-1,3-Dichloropropene	ND	7.2	20	ug/l	20	02/25/22	M-05
Dibromochloromethane	ND	7.0	20	ug/l	20	02/25/22	M-05
Dichlorodifluoromethane (Freon 12)	ND	6.0	20	ug/l	20	02/25/22	M-05
Ethylbenzene	ND	8.2	20	ug/l	20	02/25/22	M-05
m-Dichlorobenzene	ND	7.8	20	ug/l	20	02/25/22	M-05
Methyl tert-butyl ether (MTBE)	ND	8.0	20	ug/l	20	02/25/22	M-05
Methylene chloride	ND	7.8	20	ug/l	20	02/25/22	M-05
o-Dichlorobenzene	ND	7.0	20	ug/l	20	02/25/22	M-05
p-Dichlorobenzene	ND	8.4	20	ug/l	20	02/25/22	M-05
Tetrachloroethene	ND	6.8	20	ug/l	20	02/25/22	M-05
Toluene	ND	7.2	20	ug/l	20	02/25/22	M-05
trans-1,2-Dichloroethene	ND	5.4	20	ug/l	20	02/25/22	M-05
trans-1,3-Dichloropropene	ND	6.6	20	ug/l	20	02/25/22	M-05
Trichloroethene	ND	6.8	20	ug/l	20	02/25/22	M-05
Trichlorofluoromethane	ND	8.6	20	ug/l	20	02/25/22	M-05
Vinyl chloride	ND	6.2	20	ug/l	20	02/25/22	M-05

Surrogate(s)

1,2-Dichloroethane-d4	*102%*	*Conc: 50.9*	*82-125*		*02/25/22*
4-Bromofluorobenzene	*99%*	*Conc: 49.5*	*88-108*		*02/25/22*

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Sample Results

(Continued)

Sample: Encina Influent

Sampled: 02/22/22 8:54 by Steven Nguyen

2B23108-01 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS (Continued)							
Method: EPA 624.1			**Instr:** GCMS21				
Batch ID: W2B1715 **Preparation:** EPA 5030			**Prepared:** 02/25/22 09:43			**Analyst:** ADM	
Toluene-d8	*97%*	*Conc: 48.5*	*92-112*			*02/25/22*	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Sample Results PACE-MN

Sample: Encina Influent
2B23108-01 (Water)

Sampled: 02/22/22 8:54 by Steven Nguyen

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Dioxins and Furans by Isotope Dilution HRGC/HRMS						
Method: SW8290	**Batch ID:** 32585	**Prepared:** 03/07/22 10:00				**Analyst:** MS4
1,2,3,4,6,7,8-HpCDD	7.2	52	pg/L	1	03/10/22	J
1,2,3,4,6,7,8-HpCDF	ND	52	pg/L	1	03/10/22	
1,2,3,4,7,8,9-HpCDF	ND	52	pg/L	1	03/10/22	
1,2,3,4,7,8-HxCDD	ND	52	pg/L	1	03/10/22	
1,2,3,4,7,8-HxCDF	ND	52	pg/L	1	03/10/22	I, J
1,2,3,6,7,8-HxCDD	ND	52	pg/L	1	03/10/22	
1,2,3,6,7,8-HxCDF	ND	52	pg/L	1	03/10/22	
1,2,3,7,8,9-HxCDD	ND	52	pg/L	1	03/10/22	
1,2,3,7,8,9-HxCDF	ND	52	pg/L	1	03/10/22	
1,2,3,7,8-PeCDD	ND	52	pg/L	1	03/10/22	I, J
1,2,3,7,8-PeCDF	ND	52	pg/L	1	03/10/22	
2,3,4,6,7,8-HxCDF	ND	52	pg/L	1	03/10/22	
2,3,4,7,8-PeCDF	ND	52	pg/L	1	03/10/22	
2,3,7,8-TCDD	ND	10	pg/L	1	03/10/22	
2,3,7,8-TCDF	ND	10	pg/L	1	03/10/22	
OCDD	67	100	pg/L	1	03/10/22	J
OCDF	ND	100	pg/L	1	03/10/22	
Total HpCDD	14	52	pg/L	1	03/10/22	J
Total HpCDF	ND	52	pg/L	1	03/10/22	
Total HxCDD	1.9	52	pg/L	1	03/10/22	J
Total HxCDF	ND	52	pg/L	1	03/10/22	
Total PeCDD	ND	52	pg/L	1	03/10/22	
Total PeCDF	7.7	52	pg/L	1	03/10/22	J
Total TCDD	ND	10	pg/L	1	03/10/22	
Total TCDF	ND	10	pg/L	1	03/10/22	
Surrogate(s)						
1,2,3,4,6,7,8-HpCDD-13C	*46%*	*40.0-135.0*			*03/10/22*	
1,2,3,4,6,7,8-HpCDF-13C	*47%*	*40.0-135.0*			*03/10/22*	
1,2,3,4,7,8,9-HpCDF-13C	*41%*	*40.0-135.0*			*03/10/22*	
1,2,3,4,7,8-HxCDD-13C	*43%*	*40.0-135.0*			*03/10/22*	
1,2,3,4,7,8-HxCDF-13C	*57%*	*40.0-135.0*			*03/10/22*	
1,2,3,6,7,8-HxCDD-13C	*61%*	*40.0-135.0*			*03/10/22*	
1,2,3,6,7,8-HxCDF-13C	*60%*	*40.0-135.0*			*03/10/22*	
1,2,3,7,8,9-HxCDF-13C	*50%*	*40.0-135.0*			*03/10/22*	
1,2,3,7,8-PeCDD-13C	*52%*	*40.0-135.0*			*03/10/22*	
1,2,3,7,8-PeCDF-13C	*55%*	*40.0-135.0*			*03/10/22*	
2,3,4,6,7,8-HxCDF-13C	*52%*	*40.0-135.0*			*03/10/22*	
2,3,4,7,8-PeCDF-13C	*50%*	*40.0-135.0*			*03/10/22*	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Sample Results PACE-MN (Continued)

Sample: Encina Influent
2B23108-01 (Water)

Sampled: 02/22/22 8:54 by Steven Nguyen
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Dioxins and Furans by Isotope Dilution HRGC/HRMS (Continued)						
2,3,7,8-TCDD-13C	*49%*	*40.0-135.0*			*03/10/22*	
2,3,7,8-TCDF-13C	*50%*	*40.0-135.0*			*03/10/22*	
OCDD-13C	*31%*	*40.0-135.0*			*03/10/22*	*P*

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

Dioxins and Furans by Isotope Dilution HRGC/HRMS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: 32585 - SW8290										
BLK (BLANK-97059)				**Prepared: 03/07/22 Analyzed: 03/09/22**						
1,2,3,4,6,7,8-HpCDD	ND	50	pg/L							I, J
1,2,3,4,6,7,8-HpCDF	ND	50	pg/L							I, J
1,2,3,4,7,8,9-HpCDF	ND	50	pg/L							
1,2,3,4,7,8-HxCDD	2.0	50	pg/L							J
1,2,3,4,7,8-HxCDF	ND	50	pg/L							
1,2,3,6,7,8-HxCDD	ND	50	pg/L							
1,2,3,6,7,8-HxCDF	ND	50	pg/L							
1,2,3,7,8,9-HxCDD	ND	50	pg/L							
1,2,3,7,8,9-HxCDF	ND	50	pg/L							I, J
1,2,3,7,8-PeCDD	ND	50	pg/L							
1,2,3,7,8-PeCDF	ND	50	pg/L							
2,3,4,6,7,8-HxCDF	ND	50	pg/L							
2,3,4,7,8-PeCDF	ND	50	pg/L							
2,3,7,8-TCDD	ND	10	pg/L							
2,3,7,8-TCDF	ND	10	pg/L							
OCDD	6.9	100	pg/L							J
OCDF	ND	100	pg/L							I, J
Total HpCDD	1.4	50	pg/L							J
Total HpCDF	1.4	50	pg/L							J
Total HxCDD	2.0	50	pg/L							J
Total HxCDF	1.3	50	pg/L							J
Total PeCDD	ND	50	pg/L							
Total PeCDF	ND	50	pg/L							
Total TCDD	ND	10	pg/L							
Total TCDF	ND	10	pg/L							
Surrogate(s)										
1,2,3,4,6,7,8-HpCDD-13C	*1600*		*pg/L*	*2000*		*80*	*40.0-135.0*			
1,2,3,4,6,7,8-HpCDF-13C	*1800*		*pg/L*	*2000*		*90*	*40.0-135.0*			
1,2,3,4,7,8,9-HpCDF-13C	*1600*		*pg/L*	*2000*		*78*	*40.0-135.0*			
1,2,3,4,7,8-HxCDD-13C	*2100*		*pg/L*	*2000*		*106*	*40.0-135.0*			
1,2,3,4,7,8-HxCDF-13C	*2100*		*pg/L*	*2000*		*106*	*40.0-135.0*			
1,2,3,6,7,8-HxCDD-13C	*2200*		*pg/L*	*2000*		*110*	*40.0-135.0*			
1,2,3,6,7,8-HxCDF-13C	*2200*		*pg/L*	*2000*		*111*	*40.0-135.0*			
1,2,3,7,8,9-HxCDF-13C	*2400*		*pg/L*	*2000*		*122*	*40.0-135.0*			
1,2,3,7,8-PeCDD-13C	*2400*		*pg/L*	*2000*		*122*	*40.0-135.0*			
1,2,3,7,8-PeCDF-13C	*2500*		*pg/L*	*2000*		*124*	*40.0-135.0*			
2,3,4,6,7,8-HxCDF-13C	*2300*		*pg/L*	*2000*		*115*	*40.0-135.0*			
2,3,4,7,8-PeCDF-13C	*2500*		*pg/L*	*2000*		*123*	*40.0-135.0*			
2,3,7,8-TCDD-13C	*2100*		*pg/L*	*2000*		*104*	*40.0-135.0*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Dioxins and Furans by Isotope Dilution HRGC/HRMS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: 32585 - SW8290 (Continued)										
BLK (BLANK-97059)				**Prepared: 03/07/22 Analyzed: 03/09/22**						
Surrogate(s)										
2,3,7,8-TCDF-13C	*2100*		*pg/L*	*2000*		*106*	*40.0-135.0*			
OCDD-13C	*2900*		*pg/L*	*4000*		*72*	*40.0-135.0*			
BS (LCS-97060)				**Prepared: 03/07/22 Analyzed: 03/10/22**						
1,2,3,4,6,7,8-HpCDD	1000	52	pg/L	1000		96	70.0-130.0			
1,2,3,4,6,7,8-HpCDF	1100	52	pg/L	1000		106	70.0-130.0			
1,2,3,4,7,8,9-HpCDF	1100	52	pg/L	1000		106	70.0-130.0			
1,2,3,4,7,8-HxCDD	1100	52	pg/L	1000		107	70.0-130.0			
1,2,3,4,7,8-HxCDF	1100	52	pg/L	1000		103	70.0-130.0			
1,2,3,6,7,8-HxCDD	1000	52	pg/L	1000		99	70.0-130.0			
1,2,3,6,7,8-HxCDF	970	52	pg/L	1000		93	70.0-130.0			
1,2,3,7,8,9-HxCDD	1100	52	pg/L	1000		102	70.0-130.0			
1,2,3,7,8,9-HxCDF	1100	52	pg/L	1000		102	70.0-130.0			
1,2,3,7,8-PeCDD	960	52	pg/L	1000		92	70.0-130.0			
1,2,3,7,8-PeCDF	1000	52	pg/L	1000		100	70.0-130.0			
2,3,4,6,7,8-HxCDF	1100	52	pg/L	1000		105	70.0-130.0			
2,3,4,7,8-PeCDF	1000	52	pg/L	1000		99	70.0-130.0			
2,3,7,8-TCDD	230	10	pg/L	210		111	70.0-130.0			
2,3,7,8-TCDF	230	10	pg/L	210		109	70.0-130.0			
OCDD	2400	100	pg/L	2100		113	70.0-130.0			
OCDF	2000	100	pg/L	2100		96	70.0-130.0			
Surrogate(s)										
1,2,3,4,6,7,8-HpCDD-13C	*1300*		*pg/L*	*2100*		*62*	*40.0-135.0*			
1,2,3,4,6,7,8-HpCDF-13C	*1200*		*pg/L*	*2100*		*56*	*40.0-135.0*			
1,2,3,4,7,8,9-HpCDF-13C	*970*		*pg/L*	*2100*		*46*	*40.0-135.0*			
1,2,3,4,7,8-HxCDD-13C	*1500*		*pg/L*	*2100*		*72*	*40.0-135.0*			
1,2,3,4,7,8-HxCDF-13C	*1600*		*pg/L*	*2100*		*75*	*40.0-135.0*			
1,2,3,6,7,8-HxCDD-13C	*1600*		*pg/L*	*2100*		*78*	*40.0-135.0*			
1,2,3,6,7,8-HxCDF-13C	*1300*		*pg/L*	*2100*		*63*	*40.0-135.0*			
1,2,3,7,8,9-HxCDF-13C	*1400*		*pg/L*	*2100*		*69*	*40.0-135.0*			
1,2,3,7,8-PeCDD-13C	*2000*		*pg/L*	*2100*		*95*	*40.0-135.0*			
1,2,3,7,8-PeCDF-13C	*1700*		*pg/L*	*2100*		*79*	*40.0-135.0*			
2,3,4,6,7,8-HxCDF-13C	*1400*		*pg/L*	*2100*		*66*	*40.0-135.0*			
2,3,4,7,8-PeCDF-13C	*1700*		*pg/L*	*2100*		*83*	*40.0-135.0*			
2,3,7,8-TCDD-13C	*1500*		*pg/L*	*2100*		*71*	*40.0-135.0*			
2,3,7,8-TCDF-13C	*1500*		*pg/L*	*2100*		*70*	*40.0-135.0*			
OCDD-13C	*1600*		*pg/L*	*4200*		*38*	*40.0-135.0*			*P*

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1608 - EPA 625.1											
Blank (W2B1608-BLK1)					**Prepared: 02/24/22 Analyzed: 03/03/22**						
1,2,4-Trichlorobenzene	ND	0.49	1.0	ug/l							
1,2-Dichlorobenzene	ND	0.46	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	0.30	1.0	ug/l							
1,3-Dichlorobenzene	ND	0.42	1.0	ug/l							
1,4-Dichlorobenzene	ND	0.48	1.0	ug/l							
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l							
2,4-Dichlorophenol	ND	0.26	1.0	ug/l							
2,4-Dimethylphenol	ND	0.76	1.0	ug/l							
2,4-Dinitrophenol	ND	1.9	10	ug/l							
2,4-Dinitrotoluene	ND	0.46	1.0	ug/l							
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l							
2-Chloronaphthalene	ND	0.45	1.0	ug/l							
2-Chlorophenol	ND	0.28	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	0.50	5.0	ug/l							
2-Nitrophenol	ND	0.26	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l							
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l							
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l							
4-Nitrophenol	ND	1.2	5.0	ug/l							
Acenaphthene	ND	0.38	1.0	ug/l							
Acenaphthylene	ND	0.35	1.0	ug/l							
Anthracene	ND	0.41	1.0	ug/l							
Benzidine	ND	3.2	10	ug/l							
Benzo (a) anthracene	ND	0.19	1.0	ug/l							
Benzo (a) pyrene	ND	0.39	1.0	ug/l							
Benzo (b) fluoranthene	ND	0.46	1.0	ug/l							
Benzo (g,h,i) perylene	ND	0.42	2.0	ug/l							
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	ug/l							
Butyl benzyl phthalate	ND	0.49	1.0	ug/l							
Chrysene	ND	0.19	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	0.15	2.0	ug/l							
Diethyl phthalate	ND	0.35	1.0	ug/l							
Dimethyl phthalate	ND	0.18	1.0	ug/l							
Di-n-butyl phthalate	ND	0.34	1.0	ug/l							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1608 - EPA 625.1 (Continued)											
Blank (W2B1608-BLK1)					**Prepared: 02/24/22 Analyzed: 03/03/22**						
Di-n-octyl phthalate	ND	0.46	1.0	ug/l							
Fluoranthene	ND	0.35	1.0	ug/l							
Fluorene	ND	0.35	1.0	ug/l							
Hexachlorobenzene	ND	0.49	1.0	ug/l							
Hexachlorobutadiene	ND	0.47	1.0	ug/l							
Hexachlorocyclopentadiene	ND	0.31	5.0	ug/l							
Hexachloroethane	ND	0.50	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	0.25	2.0	ug/l							
Isophorone	ND	0.21	1.0	ug/l							
Naphthalene	ND	0.49	1.0	ug/l							
Nitrobenzene	ND	0.36	1.0	ug/l							
N-Nitrosodimethylamine	ND	0.50	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l							
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l							
Pentachlorophenol	ND	0.40	1.0	ug/l							
Phenanthrene	ND	0.32	1.0	ug/l							
Phenol	ND	0.81	1.0	ug/l							
Pyrene	ND	0.25	1.0	ug/l							
Surrogate(s)											
2,4,6-Tribromophenol	*39.7*			*ug/l*	*40.0*		*99*	*25-120*			
2-Fluorobiphenyl	*17.7*			*ug/l*	*20.0*		*88*	*22-120*			
2-Fluorophenol	*20.6*			*ug/l*	*40.0*		*52*	*17-120*			
Nitrobenzene-d5	*14.6*			*ug/l*	*20.0*		*73*	*47-120*			
Phenol-d5	*12.2*			*ug/l*	*40.0*		*30*	*12-120*			
Terphenyl-d14	*22.3*			*ug/l*	*20.0*		*111*	*44-129*			
Blank (W2B1608-BLK2)					**Prepared: 02/24/22 Analyzed: 03/08/22**						
1,2,4-Trichlorobenzene	ND	0.49	1.0	ug/l							QC-2
1,2-Dichlorobenzene	ND	0.46	1.0	ug/l							QC-2
1,2-Diphenylhydrazine/Azobenzene	ND	0.30	1.0	ug/l							QC-2
1,3-Dichlorobenzene	ND	0.42	1.0	ug/l							QC-2
1,4-Dichlorobenzene	ND	0.48	1.0	ug/l							QC-2
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l							QC-2
2,4-Dichlorophenol	ND	0.26	1.0	ug/l							QC-2
2,4-Dimethylphenol	ND	0.76	1.0	ug/l							QC-2
2,4-Dinitrophenol	ND	1.9	10	ug/l							QC-2
2,4-Dinitrotoluene	ND	0.46	1.0	ug/l							QC-2
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l							QC-2
2-Chloronaphthalene	ND	0.45	1.0	ug/l							QC-2
2-Chlorophenol	ND	0.28	1.0	ug/l							QC-2

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1608 - EPA 625.1 (Continued)											
Blank (W2B1608-BLK2)					**Prepared: 02/24/22 Analyzed: 03/08/22**						
2-Methyl-4,6-dinitrophenol	ND	0.50	5.0	ug/l							QC-2
2-Nitrophenol	ND	0.26	1.0	ug/l							QC-2
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l							QC-2
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l							QC-2
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l							QC-2
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l							QC-2
4-Nitrophenol	ND	1.2	5.0	ug/l							QC-2
Acenaphthene	ND	0.38	1.0	ug/l							QC-2
Acenaphthylene	ND	0.35	1.0	ug/l							QC-2
Anthracene	ND	0.41	1.0	ug/l							QC-2
Benzidine	ND	3.2	10	ug/l							QC-2
Benzo (a) anthracene	ND	0.19	1.0	ug/l							QC-2
Benzo (a) pyrene	ND	0.39	1.0	ug/l							QC-2
Benzo (b) fluoranthene	ND	0.46	1.0	ug/l							QC-2
Benzo (g,h,i) perylene	ND	0.42	2.0	ug/l							QC-2
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l							QC-2
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l							QC-2
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l							QC-2
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l							QC-2
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	ug/l							QC-2
Butyl benzyl phthalate	ND	0.49	1.0	ug/l							QC-2
Chrysene	ND	0.19	1.0	ug/l							QC-2
Dibenzo (a,h) anthracene	ND	0.15	2.0	ug/l							QC-2
Diethyl phthalate	ND	0.35	1.0	ug/l							QC-2
Dimethyl phthalate	ND	0.18	1.0	ug/l							QC-2
Di-n-butyl phthalate	ND	0.34	1.0	ug/l							QC-2
Di-n-octyl phthalate	ND	0.46	1.0	ug/l							QC-2
Fluoranthene	ND	0.35	1.0	ug/l							QC-2
Fluorene	ND	0.35	1.0	ug/l							QC-2
Hexachlorobenzene	ND	0.49	1.0	ug/l							QC-2
Hexachlorobutadiene	ND	0.47	1.0	ug/l							QC-2
Hexachlorocyclopentadiene	ND	0.31	5.0	ug/l							QC-2
Hexachloroethane	ND	0.50	1.0	ug/l							QC-2
Indeno (1,2,3-cd) pyrene	ND	0.25	2.0	ug/l							QC-2
Isophorone	ND	0.21	1.0	ug/l							QC-2
Naphthalene	ND	0.49	1.0	ug/l							QC-2
Nitrobenzene	ND	0.36	1.0	ug/l							QC-2
N-Nitrosodimethylamine	ND	0.50	1.0	ug/l							QC-2
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l							QC-2

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1608 - EPA 625.1 (Continued)											
Blank (W2B1608-BLK2)					**Prepared: 02/24/22 Analyzed: 03/08/22**						
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l							QC-2
Pentachlorophenol	ND	0.40	1.0	ug/l							QC-2
Phenanthrene	ND	0.32	1.0	ug/l							QC-2
Phenol	ND	0.81	1.0	ug/l							QC-2
Pyrene	ND	0.25	1.0	ug/l							QC-2
Surrogate(s)											
2,4,6-Tribromophenol	*44.0*			*ug/l*	*40.0*		*110*	*25-120*			*QC-2*
2-Fluorobiphenyl	*18.6*			*ug/l*	*20.0*		*93*	*22-120*			*QC-2*
2-Fluorophenol	*21.3*			*ug/l*	*40.0*		*53*	*17-120*			*QC-2*
Nitrobenzene-d5	*15.4*			*ug/l*	*20.0*		*77*	*47-120*			*QC-2*
Phenol-d5	*12.1*			*ug/l*	*40.0*		*30*	*12-120*			*QC-2*
Terphenyl-d14	*25.0*			*ug/l*	*20.0*		*125*	*44-129*			*QC-2*
LCS (W2B1608-BS1)					**Prepared: 02/24/22 Analyzed: 03/03/22**						
1,2,4-Trichlorobenzene	16.6	0.49	1.0	ug/l	20.0		83	57-130			
1,2-Dichlorobenzene	14.4	0.46	1.0	ug/l	20.0		72	57-120			
1,3-Dichlorobenzene	14.3	0.42	1.0	ug/l	20.0		71	55-120			
1,4-Dichlorobenzene	14.8	0.48	1.0	ug/l	20.0		74	55-120			
2,4,6-Trichlorophenol	18.6	0.22	1.0	ug/l	20.0		93	52-129			
2,4-Dichlorophenol	19.7	0.26	1.0	ug/l	20.0		99	53-122			
2,4-Dimethylphenol	14.6	0.76	1.0	ug/l	20.0		73	42-120			
2,4-Dinitrophenol	27.5	1.9	10	ug/l	20.0		138	0.1-173			
2,4-Dinitrotoluene	17.2	0.46	1.0	ug/l	20.0		86	48-127			
2,6-Dinitrotoluene	16.4	0.27	1.0	ug/l	20.0		82	68-137			
2-Chloronaphthalene	16.9	0.45	1.0	ug/l	20.0		84	65-120			
2-Chlorophenol	14.9	0.28	1.0	ug/l	20.0		74	36-120			
2-Methyl-4,6-dinitrophenol	21.9	0.50	5.0	ug/l	20.0		110	53-130			
2-Nitrophenol	17.3	0.26	1.0	ug/l	20.0		87	45-167			
3,3'-Dichlorobenzidine	19.4	2.5	5.0	ug/l	20.0		97	8-213			
4-Bromophenyl phenyl ether	20.5	0.36	1.0	ug/l	20.0		102	65-120			
4-Chloro-3-methylphenol	15.5	0.23	1.0	ug/l	20.0		78	41-128			
4-Chlorophenyl phenyl ether	17.2	0.41	1.0	ug/l	20.0		86	38-145			
4-Nitrophenol	6.20	1.2	5.0	ug/l	20.0		31	13-129			
Acenaphthene	17.5	0.38	1.0	ug/l	20.0		87	60-132			
Acenaphthylene	17.6	0.35	1.0	ug/l	20.0		88	54-126			
Anthracene	16.9	0.41	1.0	ug/l	20.0		85	43-120			
Benzo (a) anthracene	19.9	0.19	1.0	ug/l	20.0		100	42-133			
Benzo (a) pyrene	17.1	0.39	1.0	ug/l	20.0		86	32-148			
Benzo (b) fluoranthene	18.1	0.46	1.0	ug/l	20.0		90	42-140			AN-IP
Benzo (g,h,i) perylene	21.0	0.42	2.0	ug/l	20.0		105	0.1-195			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1608 - EPA 625.1 (Continued)											
LCS (W2B1608-BS1)					**Prepared: 02/24/22 Analyzed: 03/03/22**						
Benzo (k) fluoranthene	18.5	0.22	1.0	ug/l	20.0		92	25-146			AN-IP
Bis(2-chloroethoxy)methane	13.4	0.25	1.0	ug/l	20.0		67	49-165			
Bis(2-chloroethyl)ether	11.8	0.27	1.0	ug/l	20.0		59	43-126			
Bis(2-chloroisopropyl)ether	12.0	0.38	1.0	ug/l	20.0		60	63-139			Q-ME
Bis(2-ethylhexyl)phthalate	18.6	2.3	5.0	ug/l	20.0		93	29-137			
Butyl benzyl phthalate	18.9	0.49	1.0	ug/l	20.0		95	0.1-140			
Chrysene	17.6	0.19	1.0	ug/l	20.0		88	44-140			
Dibenzo (a,h) anthracene	18.6	0.15	2.0	ug/l	20.0		93	0.1-200			
Diethyl phthalate	17.0	0.35	1.0	ug/l	20.0		85	0.1-120			
Dimethyl phthalate	17.4	0.18	1.0	ug/l	20.0		87	0.1-120			
Di-n-butyl phthalate	15.6	0.34	1.0	ug/l	20.0		78	8-120			
Di-n-octyl phthalate	18.5	0.46	1.0	ug/l	20.0		93	19-132			
Fluoranthene	21.1	0.35	1.0	ug/l	20.0		106	43-121			
Fluorene	18.5	0.35	1.0	ug/l	20.0		92	70-120			
Hexachlorobenzene	20.2	0.49	1.0	ug/l	20.0		101	8-142			
Hexachlorobutadiene	17.9	0.47	1.0	ug/l	20.0		90	38-120			
Hexachlorocyclopentadiene	14.1	0.31	5.0	ug/l	20.0		71	10-120			
Hexachloroethane	17.3	0.50	1.0	ug/l	20.0		86	55-120			
Indeno (1,2,3-cd) pyrene	19.3	0.25	2.0	ug/l	20.0		97	0.1-151			
Isophorone	12.1	0.21	1.0	ug/l	20.0		60	47-180			
Naphthalene	15.2	0.49	1.0	ug/l	20.0		76	36-120			
Nitrobenzene	12.8	0.36	1.0	ug/l	20.0		64	54-158			
N-Nitrosodimethylamine	8.52	0.50	1.0	ug/l	20.0		43	22-120			
N-Nitrosodi-n-propylamine	14.1	0.26	1.0	ug/l	20.0		71	14-198			
N-Nitrosodiphenylamine	15.4	0.19	1.0	ug/l	20.0		77	47-120			
Pentachlorophenol	19.0	0.40	1.0	ug/l	20.0		95	41-120			
Phenanthrene	17.6	0.32	1.0	ug/l	20.0		88	65-120			
Phenol	5.52	0.81	1.0	ug/l	20.0		28	17-120			
Pyrene	20.3	0.25	1.0	ug/l	20.0		101	70-120			
Surrogate(s)											
2,4,6-Tribromophenol	*42.3*			*ug/l*	*40.0*		*106*	*25-120*			
2-Fluorobiphenyl	*18.9*			*ug/l*	*20.0*		*95*	*22-120*			
2-Fluorophenol	*19.4*			*ug/l*	*40.0*		*49*	*17-120*			
Nitrobenzene-d5	*15.1*			*ug/l*	*20.0*		*75*	*47-120*			
Phenol-d5	*12.6*			*ug/l*	*40.0*		*31*	*12-120*			
Terphenyl-d14	*22.6*			*ug/l*	*20.0*		*113*	*44-129*			
LCS (W2B1608-BS2)					**Prepared: 02/24/22 Analyzed: 03/08/22**						
1,2,4-Trichlorobenzene	16.2	0.49	1.0	ug/l	20.0		81	57-130			QC-2
1,2-Dichlorobenzene	14.1	0.46	1.0	ug/l	20.0		71	57-120			QC-2

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1608 - EPA 625.1 (Continued)											
LCS (W2B1608-BS2)					**Prepared: 02/24/22 Analyzed: 03/08/22**						
1,3-Dichlorobenzene	14.0	0.42	1.0	ug/l	20.0		70	55-120			QC-2
1,4-Dichlorobenzene	14.8	0.48	1.0	ug/l	20.0		74	55-120			QC-2
2,4,6-Trichlorophenol	19.3	0.22	1.0	ug/l	20.0		97	52-129			QC-2
2,4-Dichlorophenol	18.9	0.26	1.0	ug/l	20.0		95	53-122			QC-2
2,4-Dimethylphenol	12.0	0.76	1.0	ug/l	20.0		60	42-120			QC-2
2,4-Dinitrophenol	24.9	1.9	10	ug/l	20.0		124	0.1-173			QC-2
2,4-Dinitrotoluene	17.9	0.46	1.0	ug/l	20.0		90	48-127			QC-2
2,6-Dinitrotoluene	17.3	0.27	1.0	ug/l	20.0		86	68-137			QC-2
2-Chloronaphthalene	17.0	0.45	1.0	ug/l	20.0		85	65-120			QC-2
2-Chlorophenol	14.7	0.28	1.0	ug/l	20.0		74	36-120			QC-2
2-Methyl-4,6-dinitrophenol	23.3	0.50	5.0	ug/l	20.0		117	53-130			QC-2
2-Nitrophenol	17.3	0.26	1.0	ug/l	20.0		87	45-167			QC-2
3,3'-Dichlorobenzidine	25.5	2.5	5.0	ug/l	20.0		127	8-213			QC-2
4-Bromophenyl phenyl ether	21.6	0.36	1.0	ug/l	20.0		108	65-120			QC-2
4-Chloro-3-methylphenol	15.9	0.23	1.0	ug/l	20.0		79	41-128			QC-2
4-Chlorophenyl phenyl ether	17.1	0.41	1.0	ug/l	20.0		85	38-145			QC-2
4-Nitrophenol	8.33	1.2	5.0	ug/l	20.0		42	13-129			QC-2
Acenaphthene	17.8	0.38	1.0	ug/l	20.0		89	60-132			QC-2
Acenaphthylene	18.3	0.35	1.0	ug/l	20.0		91	54-126			QC-2
Anthracene	16.7	0.41	1.0	ug/l	20.0		84	43-120			QC-2
Benzo (a) anthracene	25.5	0.19	1.0	ug/l	20.0		127	42-133			QC-2
Benzo (a) pyrene	18.9	0.39	1.0	ug/l	20.0		95	32-148			QC-2
Benzo (b) fluoranthene	20.0	0.46	1.0	ug/l	20.0		100	42-140			QC-2, AN-IP
Benzo (g,h,i) perylene	19.9	0.42	2.0	ug/l	20.0		100	0.1-195			QC-2
Benzo (k) fluoranthene	20.0	0.22	1.0	ug/l	20.0		100	25-146			QC-2, AN-IP
Bis(2-chloroethoxy)methane	12.8	0.25	1.0	ug/l	20.0		64	49-165			QC-2
Bis(2-chloroethyl)ether	11.8	0.27	1.0	ug/l	20.0		59	43-126			QC-2
Bis(2-chloroisopropyl)ether	12.3	0.38	1.0	ug/l	20.0		62	63-139			Q-ME, QC-2
Bis(2-ethylhexyl)phthalate	23.8	2.3	5.0	ug/l	20.0		119	29-137			QC-2
Butyl benzyl phthalate	23.1	0.49	1.0	ug/l	20.0		115	0.1-140			QC-2
Chrysene	17.9	0.19	1.0	ug/l	20.0		89	44-140			QC-2
Dibenzo (a,h) anthracene	18.8	0.15	2.0	ug/l	20.0		94	0.1-200			QC-2
Diethyl phthalate	17.8	0.35	1.0	ug/l	20.0		89	0.1-120			QC-2
Dimethyl phthalate	17.5	0.18	1.0	ug/l	20.0		88	0.1-120			QC-2
Di-n-butyl phthalate	16.3	0.34	1.0	ug/l	20.0		81	8-120			QC-2
Di-n-octyl phthalate	19.6	0.46	1.0	ug/l	20.0		98	19-132			QC-2
Fluoranthene	22.6	0.35	1.0	ug/l	20.0		113	43-121			QC-2
Fluorene	18.9	0.35	1.0	ug/l	20.0		94	70-120			QC-2

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1608 - EPA 625.1 (Continued)											
LCS (W2B1608-BS2)					**Prepared: 02/24/22 Analyzed: 03/08/22**						
Hexachlorobenzene	21.8	0.49	1.0	ug/l	20.0		109	8-142			QC-2
Hexachlorobutadiene	17.9	0.47	1.0	ug/l	20.0		89	38-120			QC-2
Hexachlorocyclopentadiene	12.1	0.31	5.0	ug/l	20.0		61	10-120			QC-2
Hexachloroethane	16.9	0.50	1.0	ug/l	20.0		85	55-120			QC-2
Indeno (1,2,3-cd) pyrene	19.4	0.25	2.0	ug/l	20.0		97	0.1-151			QC-2
Isophorone	11.9	0.21	1.0	ug/l	20.0		60	47-180			QC-2
Naphthalene	14.9	0.49	1.0	ug/l	20.0		75	36-120			QC-2
Nitrobenzene	12.7	0.36	1.0	ug/l	20.0		63	54-158			QC-2
N-Nitrosodimethylamine	8.11	0.50	1.0	ug/l	20.0		41	22-120			QC-2
N-Nitrosodi-n-propylamine	13.6	0.26	1.0	ug/l	20.0		68	14-198			QC-2
N-Nitrosodiphenylamine	15.8	0.19	1.0	ug/l	20.0		79	47-120			QC-2
Pentachlorophenol	22.2	0.40	1.0	ug/l	20.0		111	41-120			QC-2
Phenanthrene	17.6	0.32	1.0	ug/l	20.0		88	65-120			QC-2
Phenol	5.37	0.81	1.0	ug/l	20.0		27	17-120			QC-2
Pyrene	23.0	0.25	1.0	ug/l	20.0		115	70-120			QC-2
Surrogate(s)											
2,4,6-Tribromophenol	*46.0*			*ug/l*	*40.0*		*115*	*25-120*			QC-2
2-Fluorobiphenyl	*19.0*			*ug/l*	*20.0*		*95*	*22-120*			QC-2
2-Fluorophenol	*20.6*			*ug/l*	*40.0*		*52*	*17-120*			QC-2
Nitrobenzene-d5	*14.8*			*ug/l*	*20.0*		*74*	*47-120*			QC-2
Phenol-d5	*12.1*			*ug/l*	*40.0*		*30*	*12-120*			QC-2
Terphenyl-d14	*24.5*			*ug/l*	*20.0*		*123*	*44-129*			QC-2
LCS Dup (W2B1608-BSD1)					**Prepared: 02/24/22 Analyzed: 03/03/22**						
1,2,4-Trichlorobenzene	17.3	0.49	1.0	ug/l	20.0		86	57-130	4	30	
1,2-Dichlorobenzene	15.1	0.46	1.0	ug/l	20.0		75	57-120	5	30	
1,3-Dichlorobenzene	14.7	0.42	1.0	ug/l	20.0		73	55-120	3	30	
1,4-Dichlorobenzene	15.3	0.48	1.0	ug/l	20.0		76	55-120	3	30	
2,4,6-Trichlorophenol	19.8	0.22	1.0	ug/l	20.0		99	52-129	6	30	
2,4-Dichlorophenol	20.6	0.26	1.0	ug/l	20.0		103	53-122	4	30	
2,4-Dimethylphenol	15.3	0.76	1.0	ug/l	20.0		76	42-120	4	30	
2,4-Dinitrophenol	30.2	1.9	10	ug/l	20.0		151	0.1-173	9	30	
2,4-Dinitrotoluene	18.3	0.46	1.0	ug/l	20.0		91	48-127	6	30	
2,6-Dinitrotoluene	17.8	0.27	1.0	ug/l	20.0		89	68-137	9	30	
2-Chloronaphthalene	17.6	0.45	1.0	ug/l	20.0		88	65-120	4	30	
2-Chlorophenol	15.4	0.28	1.0	ug/l	20.0		77	36-120	3	30	
2-Methyl-4,6-dinitrophenol	24.1	0.50	5.0	ug/l	20.0		121	53-130	10	30	
2-Nitrophenol	18.3	0.26	1.0	ug/l	20.0		92	45-167	6	30	
3,3'-Dichlorobenzidine	18.2	2.5	5.0	ug/l	20.0		91	8-213	7	30	
4-Bromophenyl phenyl ether	21.7	0.36	1.0	ug/l	20.0		108	65-120	6	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1608 - EPA 625.1 (Continued)											
LCS Dup (W2B1608-BSD1)					**Prepared: 02/24/22**	**Analyzed: 03/03/22**					
4-Chloro-3-methylphenol	16.6	0.23	1.0	ug/l	20.0		83	41-128	7	30	
4-Chlorophenyl phenyl ether	18.4	0.41	1.0	ug/l	20.0		92	38-145	7	30	
4-Nitrophenol	6.47	1.2	5.0	ug/l	20.0		32	13-129	4	30	
Acenaphthene	18.8	0.38	1.0	ug/l	20.0		94	60-132	7	30	
Acenaphthylene	19.3	0.35	1.0	ug/l	20.0		96	54-126	9	30	
Anthracene	18.1	0.41	1.0	ug/l	20.0		91	43-120	7	30	
Benzo (a) anthracene	19.5	0.19	1.0	ug/l	20.0		98	42-133	2	30	
Benzo (a) pyrene	17.0	0.39	1.0	ug/l	20.0		85	32-148	1	30	
Benzo (b) fluoranthene	17.8	0.46	1.0	ug/l	20.0		89	42-140	1	30	AN-IP
Benzo (g,h,i) perylene	21.7	0.42	2.0	ug/l	20.0		109	0.1-195	3	30	
Benzo (k) fluoranthene	18.5	0.22	1.0	ug/l	20.0		92	25-146	0.06	30	AN-IP
Bis(2-chloroethoxy)methane	14.2	0.25	1.0	ug/l	20.0		71	49-165	5	30	
Bis(2-chloroethyl)ether	12.4	0.27	1.0	ug/l	20.0		62	43-126	5	30	
Bis(2-chloroisopropyl)ether	12.6	0.38	1.0	ug/l	20.0		63	63-139	4	30	
Bis(2-ethylhexyl)phthalate	18.8	2.3	5.0	ug/l	20.0		94	29-137	0.7	30	
Butyl benzyl phthalate	19.4	0.49	1.0	ug/l	20.0		97	0.1-140	2	30	
Chrysene	18.7	0.19	1.0	ug/l	20.0		93	44-140	6	30	
Dibenzo (a,h) anthracene	19.3	0.15	2.0	ug/l	20.0		97	0.1-200	4	30	
Diethyl phthalate	17.9	0.35	1.0	ug/l	20.0		90	0.1-120	5	30	
Dimethyl phthalate	18.0	0.18	1.0	ug/l	20.0		90	0.1-120	3	30	
Di-n-butyl phthalate	16.6	0.34	1.0	ug/l	20.0		83	8-120	6	30	
Di-n-octyl phthalate	18.1	0.46	1.0	ug/l	20.0		90	19-132	3	30	
Fluoranthene	21.9	0.35	1.0	ug/l	20.0		110	43-121	4	30	
Fluorene	19.6	0.35	1.0	ug/l	20.0		98	70-120	6	30	
Hexachlorobenzene	21.2	0.49	1.0	ug/l	20.0		106	8-142	5	30	
Hexachlorobutadiene	18.4	0.47	1.0	ug/l	20.0		92	38-120	3	30	
Hexachlorocyclopentadiene	15.2	0.31	5.0	ug/l	20.0		76	10-120	7	30	
Hexachloroethane	17.7	0.50	1.0	ug/l	20.0		88	55-120	2	30	
Indeno (1,2,3-cd) pyrene	20.2	0.25	2.0	ug/l	20.0		101	0.1-151	4	30	
Isophorone	12.7	0.21	1.0	ug/l	20.0		63	47-180	5	30	
Naphthalene	16.1	0.49	1.0	ug/l	20.0		81	36-120	6	30	
Nitrobenzene	13.6	0.36	1.0	ug/l	20.0		68	54-158	6	30	
N-Nitrosodimethylamine	8.73	0.50	1.0	ug/l	20.0		44	22-120	2	30	
N-Nitrosodi-n-propylamine	14.8	0.26	1.0	ug/l	20.0		74	14-198	4	30	
N-Nitrosodiphenylamine	16.0	0.19	1.0	ug/l	20.0		80	47-120	4	30	
Pentachlorophenol	20.6	0.40	1.0	ug/l	20.0		103	41-120	8	30	
Phenanthrene	18.7	0.32	1.0	ug/l	20.0		93	65-120	6	30	
Phenol	5.59	0.81	1.0	ug/l	20.0		28	17-120	1	30	
Pyrene	21.2	0.25	1.0	ug/l	20.0		106	70-120	5	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1608 - EPA 625.1 (Continued)											
LCS Dup (W2B1608-BSD1)					**Prepared: 02/24/22 Analyzed: 03/03/22**						
Surrogate(s)											
2,4,6-Tribromophenol	*44.5*			*ug/l*	*40.0*		*111*	*25-120*			
2-Fluorobiphenyl	*19.9*			*ug/l*	*20.0*		*99*	*22-120*			
2-Fluorophenol	*19.5*			*ug/l*	*40.0*		*49*	*17-120*			
Nitrobenzene-d5	*16.0*			*ug/l*	*20.0*		*80*	*47-120*			
Phenol-d5	*12.9*			*ug/l*	*40.0*		*32*	*12-120*			
Terphenyl-d14	*23.0*			*ug/l*	*20.0*		*115*	*44-129*			
LCS Dup (W2B1608-BSD2)					**Prepared: 02/24/22 Analyzed: 03/08/22**						
1,2,4-Trichlorobenzene	16.8	0.49	1.0	ug/l	20.0		84	57-130	4	30	QC-2
1,2-Dichlorobenzene	14.7	0.46	1.0	ug/l	20.0		74	57-120	4	30	QC-2
1,3-Dichlorobenzene	14.3	0.42	1.0	ug/l	20.0		72	55-120	2	30	QC-2
1,4-Dichlorobenzene	15.2	0.48	1.0	ug/l	20.0		76	55-120	2	30	QC-2
2,4,6-Trichlorophenol	20.1	0.22	1.0	ug/l	20.0		100	52-129	4	30	QC-2
2,4-Dichlorophenol	19.9	0.26	1.0	ug/l	20.0		100	53-122	5	30	QC-2
2,4-Dimethylphenol	11.8	0.76	1.0	ug/l	20.0		59	42-120	2	30	QC-2
2,4-Dinitrophenol	27.6	1.9	10	ug/l	20.0		138	0.1-173	11	30	QC-2
2,4-Dinitrotoluene	19.2	0.46	1.0	ug/l	20.0		96	48-127	7	30	QC-2
2,6-Dinitrotoluene	18.3	0.27	1.0	ug/l	20.0		92	68-137	6	30	QC-2
2-Chloronaphthalene	17.8	0.45	1.0	ug/l	20.0		89	65-120	5	30	QC-2
2-Chlorophenol	15.1	0.28	1.0	ug/l	20.0		76	36-120	3	30	QC-2
2-Methyl-4,6-dinitrophenol	25.4	0.50	5.0	ug/l	20.0		127	53-130	8	30	QC-2
2-Nitrophenol	17.7	0.26	1.0	ug/l	20.0		88	45-167	2	30	QC-2
3,3'-Dichlorobenzidine	26.2	2.5	5.0	ug/l	20.0		131	8-213	3	30	QC-2
4-Bromophenyl phenyl ether	22.6	0.36	1.0	ug/l	20.0		113	65-120	4	30	QC-2
4-Chloro-3-methylphenol	16.5	0.23	1.0	ug/l	20.0		83	41-128	4	30	QC-2
4-Chlorophenyl phenyl ether	18.3	0.41	1.0	ug/l	20.0		91	38-145	7	30	QC-2
4-Nitrophenol	8.32	1.2	5.0	ug/l	20.0		42	13-129	0.09	30	QC-2
Acenaphthene	18.6	0.38	1.0	ug/l	20.0		93	60-132	4	30	QC-2
Acenaphthylene	19.4	0.35	1.0	ug/l	20.0		97	54-126	6	30	QC-2
Anthracene	17.5	0.41	1.0	ug/l	20.0		88	43-120	5	30	QC-2
Benzo (a) anthracene	25.5	0.19	1.0	ug/l	20.0		128	42-133	0.2	30	QC-2
Benzo (a) pyrene	19.7	0.39	1.0	ug/l	20.0		99	32-148	4	30	QC-2
Benzo (b) fluoranthene	20.9	0.46	1.0	ug/l	20.0		105	42-140	4	30	QC-2, AN-IP
Benzo (g,h,i) perylene	20.4	0.42	2.0	ug/l	20.0		102	0.1-195	3	30	QC-2
Benzo (k) fluoranthene	20.8	0.22	1.0	ug/l	20.0		104	25-146	4	30	QC-2, AN-IP
Bis(2-chloroethoxy)methane	13.8	0.25	1.0	ug/l	20.0		69	49-165	7	30	QC-2
Bis(2-chloroethyl)ether	12.3	0.27	1.0	ug/l	20.0		61	43-126	4	30	QC-2
Bis(2-chloroisopropyl)ether	12.8	0.38	1.0	ug/l	20.0		64	63-139	4	30	QC-2

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1608 - EPA 625.1 (Continued)											
LCS Dup (W2B1608-BSD2)					**Prepared: 02/24/22 Analyzed: 03/08/22**						
Bis(2-ethylhexyl)phthalate	24.3	2.3	5.0	ug/l	20.0		121	29-137	2	30	QC-2
Butyl benzyl phthalate	23.8	0.49	1.0	ug/l	20.0		119	0.1-140	3	30	QC-2
Chrysene	18.9	0.19	1.0	ug/l	20.0		94	44-140	6	30	QC-2
Dibenzo (a,h) anthracene	19.7	0.15	2.0	ug/l	20.0		98	0.1-200	4	30	QC-2
Diethyl phthalate	18.6	0.35	1.0	ug/l	20.0		93	0.1-120	4	30	QC-2
Dimethyl phthalate	18.3	0.18	1.0	ug/l	20.0		92	0.1-120	4	30	QC-2
Di-n-butyl phthalate	17.0	0.34	1.0	ug/l	20.0		85	8-120	4	30	QC-2
Di-n-octyl phthalate	19.9	0.46	1.0	ug/l	20.0		100	19-132	2	30	QC-2
Fluoranthene	23.6	0.35	1.0	ug/l	20.0		118	43-121	4	30	QC-2
Fluorene	19.9	0.35	1.0	ug/l	20.0		99	70-120	5	30	QC-2
Hexachlorobenzene	22.5	0.49	1.0	ug/l	20.0		113	8-142	3	30	QC-2
Hexachlorobutadiene	18.5	0.47	1.0	ug/l	20.0		92	38-120	3	30	QC-2
Hexachlorocyclopentadiene	13.1	0.31	5.0	ug/l	20.0		65	10-120	8	30	QC-2
Hexachloroethane	17.3	0.50	1.0	ug/l	20.0		87	55-120	2	30	QC-2
Indeno (1,2,3-cd) pyrene	20.2	0.25	2.0	ug/l	20.0		101	0.1-151	4	30	QC-2
Isophorone	12.5	0.21	1.0	ug/l	20.0		62	47-180	5	30	QC-2
Naphthalene	15.9	0.49	1.0	ug/l	20.0		79	36-120	6	30	QC-2
Nitrobenzene	13.5	0.36	1.0	ug/l	20.0		68	54-158	6	30	QC-2
N-Nitrosodimethylamine	7.90	0.50	1.0	ug/l	20.0		40	22-120	3	30	QC-2
N-Nitrosodi-n-propylamine	14.6	0.26	1.0	ug/l	20.0		73	14-198	7	30	QC-2
N-Nitrosodiphenylamine	16.5	0.19	1.0	ug/l	20.0		83	47-120	4	30	QC-2
Pentachlorophenol	24.8	0.40	1.0	ug/l	20.0		124	41-120	11	30	Q-08, QC-2
Phenanthrene	18.6	0.32	1.0	ug/l	20.0		93	65-120	5	30	QC-2
Phenol	5.37	0.81	1.0	ug/l	20.0		27	17-120	0.09	30	QC-2
Pyrene	23.6	0.25	1.0	ug/l	20.0		118	70-120	3	30	QC-2
Surrogate(s)											
2,4,6-Tribromophenol	*47.6*			*ug/l*	*40.0*		*119*	*25-120*			*QC-2*
2-Fluorobiphenyl	*19.6*			*ug/l*	*20.0*		*98*	*22-120*			*QC-2*
2-Fluorophenol	*20.0*			*ug/l*	*40.0*		*50*	*17-120*			*QC-2*
Nitrobenzene-d5	*15.7*			*ug/l*	*20.0*		*78*	*47-120*			*QC-2*
Phenol-d5	*12.3*			*ug/l*	*40.0*		*31*	*12-120*			*QC-2*
Terphenyl-d14	*24.9*			*ug/l*	*20.0*		*125*	*44-129*			*QC-2*

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1698 - EPA 608.3											
Blank (W2B1698-BLK1)					**Prepared: 02/25/22 Analyzed: 03/04/22**						
4,4´-DDD	ND	0.00070	0.050	ug/l							
4,4´-DDE	ND	0.00070	0.050	ug/l							
4,4´-DDT	ND	0.0011	0.050	ug/l							
Aldrin	ND	0.0010	0.050	ug/l							
alpha-BHC	ND	0.0011	0.050	ug/l							
Aroclor 1016	ND	0.029	1.0	ug/l							
Aroclor 1221	ND	0.060	1.0	ug/l							
Aroclor 1232	ND	0.15	1.0	ug/l							
Aroclor 1242	ND	0.095	1.0	ug/l							
Aroclor 1248	ND	0.083	1.0	ug/l							
Aroclor 1254	ND	0.040	1.0	ug/l							
Aroclor 1260	ND	0.055	1.0	ug/l							
beta-BHC	ND	0.0015	0.050	ug/l							
Chlordane (tech)	ND	0.043	0.50	ug/l							
delta-BHC	ND	0.0019	0.050	ug/l							
Dieldrin	ND	0.00080	0.050	ug/l							
Endosulfan I	ND	0.00090	0.050	ug/l							
Endosulfan II	ND	0.00070	0.050	ug/l							
Endosulfan sulfate	ND	0.0013	0.050	ug/l							
Endrin	ND	0.0017	0.050	ug/l							
Endrin aldehyde	ND	0.0019	0.050	ug/l							
gamma-BHC (Lindane)	ND	0.00040	0.050	ug/l							
Heptachlor	0.000791	0.00060	0.050	ug/l							Ja
Heptachlor epoxide	ND	0.00040	0.050	ug/l							
Methoxychlor	ND	0.0014	0.050	ug/l							
Toxaphene	ND	0.085	2.0	ug/l							
Surrogate(s)											
Decachlorobiphenyl	*0.0880*			*ug/l*	*0.100*		*88*	*33-133*			
Tetrachloro-meta-xylene	*0.0766*			*ug/l*	*0.100*		*77*	*32-130*			
LCS (W2B1698-BS1)					**Prepared: 02/25/22 Analyzed: 03/04/22**						
4,4´-DDD	0.0824	0.00070	0.050	ug/l	0.100		82	48-130			
4,4´-DDE	0.0785	0.00070	0.050	ug/l	0.100		78	54-130			
4,4´-DDT	0.0943	0.0011	0.050	ug/l	0.100		94	46-137			
Aldrin	0.0736	0.0010	0.050	ug/l	0.100		74	54-130			
alpha-BHC	0.0819	0.0011	0.050	ug/l	0.100		82	49-130			
beta-BHC	0.0817	0.0015	0.050	ug/l	0.100		82	39-130			
delta-BHC	0.0908	0.0019	0.050	ug/l	0.100		91	51-130			
Dieldrin	0.0734	0.00080	0.050	ug/l	0.100		73	58-130			
Endosulfan I	0.0756	0.00090	0.050	ug/l	0.100		76	57-141			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1698 - EPA 608.3 (Continued)											
LCS (W2B1698-BS1)					**Prepared: 02/25/22 Analyzed: 03/04/22**						
Endosulfan II	0.0827	0.00070	0.050	ug/l	0.100		83	22-171			
Endosulfan sulfate	0.0984	0.0013	0.050	ug/l	0.100		98	38-132			
Endrin	0.0908	0.0017	0.050	ug/l	0.100		91	51-130			
Endrin aldehyde	0.0717	0.0019	0.050	ug/l	0.100		72	18-130			
gamma-BHC (Lindane)	0.0818	0.00040	0.050	ug/l	0.100		82	43-130			
Heptachlor	0.0851	0.00060	0.050	ug/l	0.100		85	43-130			
Heptachlor epoxide	0.0797	0.00040	0.050	ug/l	0.100		80	57-132			
Methoxychlor	0.0969	0.0014	0.050	ug/l	0.100		97	50-130			
Surrogate(s)											
Decachlorobiphenyl	*0.0863*			*ug/l*	*0.100*		*86*	*33-133*			
Tetrachloro-meta-xylene	*0.0759*			*ug/l*	*0.100*		*76*	*32-130*			
LCS Dup (W2B1698-BSD1)					**Prepared: 02/25/22 Analyzed: 03/04/22**						
4,4´-DDD	0.0766	0.00070	0.050	ug/l	0.100		77	48-130	7	30	
4,4´-DDE	0.0704	0.00070	0.050	ug/l	0.100		70	54-130	11	30	
4,4´-DDT	0.0867	0.0011	0.050	ug/l	0.100		87	46-137	8	30	
Aldrin	0.0667	0.0010	0.050	ug/l	0.100		67	54-130	10	30	
alpha-BHC	0.0719	0.0011	0.050	ug/l	0.100		72	49-130	13	30	
beta-BHC	0.0758	0.0015	0.050	ug/l	0.100		76	39-130	7	30	
delta-BHC	0.0660	0.0019	0.050	ug/l	0.100		66	51-130	32	30	Q-12
Dieldrin	0.0671	0.00080	0.050	ug/l	0.100		67	58-130	9	30	
Endosulfan I	0.0680	0.00090	0.050	ug/l	0.100		68	57-141	11	30	
Endosulfan II	0.0773	0.00070	0.050	ug/l	0.100		77	22-171	7	30	
Endosulfan sulfate	0.0773	0.0013	0.050	ug/l	0.100		77	38-132	24	30	
Endrin	0.0820	0.0017	0.050	ug/l	0.100		82	51-130	10	30	
Endrin aldehyde	0.0685	0.0019	0.050	ug/l	0.100		68	18-130	5	30	
gamma-BHC (Lindane)	0.0645	0.00040	0.050	ug/l	0.100		65	43-130	24	30	
Heptachlor	0.0767	0.00060	0.050	ug/l	0.100		77	43-130	10	30	
Heptachlor epoxide	0.0744	0.00040	0.050	ug/l	0.100		74	57-132	7	30	
Methoxychlor	0.0791	0.0014	0.050	ug/l	0.100		79	50-130	20	30	
Surrogate(s)											
Decachlorobiphenyl	*0.0805*			*ug/l*	*0.100*		*80*	*33-133*			
Tetrachloro-meta-xylene	*0.0685*			*ug/l*	*0.100*		*68*	*32-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1715 - EPA 624.1											
Blank (W2B1715-BLK1)					**Prepared & Analyzed: 02/25/22**						
1,1,1-Trichloroethane	ND	0.31	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.38	1.0	ug/l							
1,1,2-Trichloroethane	ND	0.42	1.0	ug/l							
1,1-Dichloroethane	ND	0.32	1.0	ug/l							
1,1-Dichloroethene	ND	0.32	1.0	ug/l							
1,2-Dichloroethane	ND	0.54	1.0	ug/l							
1,2-Dichloropropane	ND	0.42	1.0	ug/l							
2-Butanone	ND	2.0	5.0	ug/l							
2-Chloroethyl vinyl ether	ND	0.19	1.0	ug/l							
2-Hexanone	ND	0.46	5.0	ug/l							
4-Methyl-2-pentanone	ND	0.59	5.0	ug/l							
Acetone	1.79	1.6	5.0	ug/l							Ja
Acrolein	ND	1.2	5.0	ug/l							
Acrylonitrile	ND	0.63	2.0	ug/l							
Benzene	ND	0.47	1.0	ug/l							
Bromodichloromethane	ND	0.44	1.0	ug/l							
Bromoform	ND	0.27	1.0	ug/l							
Bromomethane	ND	0.50	1.0	ug/l							
Carbon Disulfide	0.334	0.33	1.0	ug/l							Ja
Carbon tetrachloride	ND	0.28	1.0	ug/l							
Chlorobenzene	ND	0.35	1.0	ug/l							
Chloroethane	ND	0.38	1.0	ug/l							
Chloroform	ND	0.29	1.0	ug/l							
Chloromethane	ND	0.29	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.36	1.0	ug/l							
Dibromochloromethane	ND	0.35	1.0	ug/l							
Dichlorodifluoromethane (Freon 12)	ND	0.30	1.0	ug/l							
Ethylbenzene	ND	0.41	1.0	ug/l							
m-Dichlorobenzene	ND	0.39	1.0	ug/l							
Methyl tert-butyl ether (MTBE)	ND	0.40	1.0	ug/l							
Methylene chloride	ND	0.39	1.0	ug/l							
o-Dichlorobenzene	ND	0.35	1.0	ug/l							
p-Dichlorobenzene	ND	0.42	1.0	ug/l							
Tetrachloroethene	ND	0.34	1.0	ug/l							
Toluene	ND	0.36	1.0	ug/l							
trans-1,2-Dichloroethene	ND	0.27	1.0	ug/l							
trans-1,3-Dichloropropene	ND	0.33	1.0	ug/l							
Trichloroethene	ND	0.34	1.0	ug/l							
Trichlorofluoromethane	ND	0.43	1.0	ug/l							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1715 - EPA 624.1 (Continued)											
Blank (W2B1715-BLK1)					**Prepared & Analyzed: 02/25/22**						
Vinyl chloride	ND	0.31	1.0	ug/l							
Surrogate(s)											
1,2-Dichloroethane-d4	*51.0*			*ug/l*	*50.0*		*102*	*82-125*			
4-Bromofluorobenzene	*49.4*			*ug/l*	*50.0*		*99*	*88-108*			
Toluene-d8	*48.6*			*ug/l*	*50.0*		*97*	*92-112*			
LCS (W2B1715-BS1)					**Prepared & Analyzed: 02/25/22**						
1,1,1-Trichloroethane	52.7	0.31	1.0	ug/l	50.0		105	52-162			
1,1,2,2-Tetrachloroethane	45.9	0.38	1.0	ug/l	50.0		92	46-157			
1,1,2-Trichloroethane	52.2	0.42	1.0	ug/l	50.0		104	52-150			
1,1-Dichloroethane	49.4	0.32	1.0	ug/l	50.0		99	59-155			
1,1-Dichloroethene	52.4	0.32	1.0	ug/l	50.0		105	0.1-234			
1,2-Dichloroethane	50.3	0.54	1.0	ug/l	50.0		101	49-155			
1,2-Dichloropropane	51.9	0.42	1.0	ug/l	50.0		104	0.1-210			
2-Butanone	52.8	2.0	5.0	ug/l	50.0		106	67-136			
2-Chloroethyl vinyl ether	53.2	0.19	1.0	ug/l	50.0		106	0.1-305			
2-Hexanone	55.0	0.46	5.0	ug/l	50.0		110	76-133			
4-Methyl-2-pentanone	51.3	0.59	5.0	ug/l	50.0		103	74-132			
Acetone	516	1.6	5.0	ug/l	500		103	60-147			
Acrolein	59.7	1.2	5.0	ug/l	50.0		119	49-152			
Acrylonitrile	49.8	0.63	2.0	ug/l	50.0		100	74-127			
Benzene	51.6	0.47	1.0	ug/l	50.0		103	37-151			
Bromodichloromethane	56.3	0.44	1.0	ug/l	50.0		113	35-155			
Bromoform	56.8	0.27	1.0	ug/l	50.0		114	45-169			
Bromomethane	51.0	0.50	1.0	ug/l	50.0		102	0.1-242			
Carbon Disulfide	56.5	0.33	1.0	ug/l	50.0		113	79-118			
Carbon tetrachloride	57.6	0.28	1.0	ug/l	50.0		115	70-140			
Chlorobenzene	49.6	0.35	1.0	ug/l	50.0		99	37-160			
Chloroethane	49.7	0.38	1.0	ug/l	50.0		99	14-230			
Chloroform	50.5	0.29	1.0	ug/l	50.0		101	51-138			
Chloromethane	49.6	0.29	1.0	ug/l	50.0		99	0.1-273			
cis-1,2-Dichloroethene	58.0	0.38	1.0	ug/l	50.0		116	85-121			
cis-1,3-Dichloropropene	55.8	0.36	1.0	ug/l	50.0		112	0.1-227			
Dibromochloromethane	60.8	0.35	1.0	ug/l	50.0		122	53-149			
Dichlorodifluoromethane (Freon 12)	51.1	0.30	1.0	ug/l	50.0		102	67-126			
Ethylbenzene	52.9	0.41	1.0	ug/l	50.0		106	37-162			
m,p-Xylene	51.9	0.29	1.0	ug/l	50.0		104	81-121			
m-Dichlorobenzene	53.2	0.39	1.0	ug/l	50.0		106	59-156			
Methyl tert-butyl ether (MTBE)	208	0.40	1.0	ug/l	200		104	80-128			
Methylene chloride	49.1	0.39	1.0	ug/l	50.0		98	0.1-221			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1715 - EPA 624.1 (Continued)											
LCS (W2B1715-BS1)					**Prepared & Analyzed: 02/25/22**						
o-Dichlorobenzene	49.2	0.35	1.0	ug/l	50.0		98	18-190			
o-Xylene	53.0	0.29	1.0	ug/l	50.0		106	84-121			
p-Dichlorobenzene	48.1	0.42	1.0	ug/l	50.0		96	18-190			
Tert-butyl alcohol	198	2.1	5.0	ug/l	200		99	53-144			
Tetrachloroethene	50.6	0.34	1.0	ug/l	50.0		101	64-148			
Toluene	51.0	0.36	1.0	ug/l	50.0		102	47-150			
trans-1,2-Dichloroethene	50.4	0.27	1.0	ug/l	50.0		101	54-156			
trans-1,3-Dichloropropene	56.4	0.33	1.0	ug/l	50.0		113	17-183			
Trichloroethene	51.0	0.34	1.0	ug/l	50.0		102	71-157			
Trichlorofluoromethane	51.8	0.43	1.0	ug/l	50.0		104	17-181			
Vinyl chloride	51.6	0.31	1.0	ug/l	50.0		103	0.1-251			
Surrogate(s)											
1,2-Dichloroethane-d4	*51.1*			*ug/l*	*50.0*		*102*	*82-125*			
4-Bromofluorobenzene	*50.5*			*ug/l*	*50.0*		*101*	*88-108*			
Toluene-d8	*50.6*			*ug/l*	*50.0*		*101*	*92-112*			
LCS Dup (W2B1715-BSD1)					**Prepared & Analyzed: 02/25/22**						
1,1,1-Trichloroethane	52.1	0.31	1.0	ug/l	50.0		104	52-162	1	25	
1,1,2,2-Tetrachloroethane	48.4	0.38	1.0	ug/l	50.0		97	46-157	5	25	
1,1,2-Trichloroethane	53.8	0.42	1.0	ug/l	50.0		108	52-150	3	25	
1,1-Dichloroethane	49.8	0.32	1.0	ug/l	50.0		100	59-155	0.8	25	
1,1-Dichloroethene	50.3	0.32	1.0	ug/l	50.0		101	0.1-234	4	25	
1,2-Dichloroethane	50.6	0.54	1.0	ug/l	50.0		101	49-155	0.6	25	
1,2-Dichloropropane	51.9	0.42	1.0	ug/l	50.0		104	0.1-210	0.08	25	
2-Butanone	42.3	2.0	5.0	ug/l	50.0		85	67-136	22	25	
2-Chloroethyl vinyl ether	54.8	0.19	1.0	ug/l	50.0		110	0.1-305	3	25	
2-Hexanone	56.7	0.46	5.0	ug/l	50.0		113	76-133	3	25	
4-Methyl-2-pentanone	54.1	0.59	5.0	ug/l	50.0		108	74-132	5	25	
Acetone	511	1.6	5.0	ug/l	500		102	60-147	1	25	
Acrolein	63.4	1.2	5.0	ug/l	50.0		127	49-152	6	25	
Acrylonitrile	51.5	0.63	2.0	ug/l	50.0		103	74-127	3	25	
Benzene	50.9	0.47	1.0	ug/l	50.0		102	37-151	1	25	
Bromodichloromethane	56.9	0.44	1.0	ug/l	50.0		114	35-155	1	25	
Bromoform	56.9	0.27	1.0	ug/l	50.0		114	45-169	0.2	25	
Bromomethane	50.7	0.50	1.0	ug/l	50.0		101	0.1-242	0.5	25	
Carbon Disulfide	56.3	0.33	1.0	ug/l	50.0		113	79-118	0.3	25	
Carbon tetrachloride	55.9	0.28	1.0	ug/l	50.0		112	70-140	3	25	
Chlorobenzene	50.8	0.35	1.0	ug/l	50.0		102	37-160	2	25	
Chloroethane	47.2	0.38	1.0	ug/l	50.0		94	14-230	5	25	
Chloroform	51.3	0.29	1.0	ug/l	50.0		103	51-138	1	25	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1715 - EPA 624.1 (Continued)											
LCS Dup (W2B1715-BSD1)					**Prepared & Analyzed: 02/25/22**						
Chloromethane	50.5	0.29	1.0	ug/l	50.0		101	0.1-273	2	25	
cis-1,2-Dichloroethene	46.9	0.38	1.0	ug/l	50.0		94	85-121	21	25	
cis-1,3-Dichloropropene	56.3	0.36	1.0	ug/l	50.0		113	0.1-227	0.9	25	
Dibromochloromethane	60.5	0.35	1.0	ug/l	50.0		121	53-149	0.4	25	
Dichlorodifluoromethane (Freon 12)	51.5	0.30	1.0	ug/l	50.0		103	67-126	0.9	25	
Ethylbenzene	53.8	0.41	1.0	ug/l	50.0		108	37-162	2	25	
m,p-Xylene	52.0	0.29	1.0	ug/l	50.0		104	81-121	0.1	25	
m-Dichlorobenzene	54.0	0.39	1.0	ug/l	50.0		108	59-156	2	25	
Methyl tert-butyl ether (MTBE)	210	0.40	1.0	ug/l	200		105	80-128	1	25	
Methylene chloride	49.8	0.39	1.0	ug/l	50.0		100	0.1-221	2	25	
o-Dichlorobenzene	51.2	0.35	1.0	ug/l	50.0		102	18-190	4	25	
o-Xylene	54.1	0.29	1.0	ug/l	50.0		108	84-121	2	25	
p-Dichlorobenzene	51.0	0.42	1.0	ug/l	50.0		102	18-190	6	25	
Tert-butyl alcohol	198	2.1	5.0	ug/l	200		99	53-144	0.1	25	
Tetrachloroethene	51.6	0.34	1.0	ug/l	50.0		103	64-148	2	25	
Toluene	52.6	0.36	1.0	ug/l	50.0		105	47-150	3	25	
trans-1,2-Dichloroethene	49.3	0.27	1.0	ug/l	50.0		99	54-156	2	25	
trans-1,3-Dichloropropene	57.6	0.33	1.0	ug/l	50.0		115	17-183	2	25	
Trichloroethene	49.8	0.34	1.0	ug/l	50.0		100	71-157	2	25	
Trichlorofluoromethane	53.1	0.43	1.0	ug/l	50.0		106	17-181	3	25	
Vinyl chloride	51.3	0.31	1.0	ug/l	50.0		103	0.1-251	0.7	25	
Surrogate(s)											
1,2-Dichloroethane-d4	*49.5*			*ug/l*	*50.0*		*99*	*82-125*			
4-Bromofluorobenzene	*49.0*			*ug/l*	*50.0*		*98*	*88-108*			
Toluene-d8	*49.7*			*ug/l*	*50.0*		*99*	*92-112*			
Matrix Spike (W2B1715-MS1)	**Source: 2B24111-01**				**Prepared: 02/25/22**	**Analyzed: 02/26/22**					
1,1,1-Trichloroethane	59.3	0.31	1.0	ug/l	50.0	ND	119	52-162			
1,1,2,2-Tetrachloroethane	49.4	0.38	1.0	ug/l	50.0	ND	99	46-157			
1,1,2-Trichloroethane	58.0	0.42	1.0	ug/l	50.0	ND	116	52-150			
1,1-Dichloroethane	52.1	0.32	1.0	ug/l	50.0	ND	104	59-155			
1,1-Dichloroethene	53.0	0.32	1.0	ug/l	50.0	ND	106	0.1-234			
1,2-Dichloroethane	53.2	0.54	1.0	ug/l	50.0	ND	106	49-155			
1,2-Dichloropropane	58.0	0.42	1.0	ug/l	50.0	ND	116	0.1-210			
2-Butanone	68.0	2.0	5.0	ug/l	50.0	ND	136	36-145			
2-Chloroethyl vinyl ether	63.2	0.19	1.0	ug/l	50.0	ND	126	0.1-305			
2-Hexanone	98.7	0.46	5.0	ug/l	50.0	ND	197	46-152			MS-05
4-Methyl-2-pentanone	83.3	0.59	5.0	ug/l	50.0	ND	167	54-146			MS-05
Acetone	779	1.6	5.0	ug/l	500	2.82	155	11-169			
Acrolein	77.4	1.2	5.0	ug/l	50.0	ND	155	5-170			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1715 - EPA 624.1 (Continued)											
Matrix Spike (W2B1715-MS1)	**Source: 2B24111-01**				**Prepared: 02/25/22**	**Analyzed: 02/26/22**					
Acrylonitrile	64.5	0.63	2.0	ug/l	50.0	ND	129	59-133			
Benzene	56.6	0.47	1.0	ug/l	50.0	ND	113	37-151			
Bromodichloromethane	60.0	0.44	1.0	ug/l	50.0	ND	120	35-155			
Bromoform	64.9	0.27	1.0	ug/l	50.0	0.901	128	45-169			
Bromomethane	36.0	0.50	1.0	ug/l	50.0	ND	72	0.1-242			
Carbon tetrachloride	62.0	0.28	1.0	ug/l	50.0	ND	124	70-140			
Chlorobenzene	55.0	0.35	1.0	ug/l	50.0	ND	110	37-160			
Chloroethane	50.9	0.38	1.0	ug/l	50.0	ND	102	14-230			
Chloroform	56.5	0.29	1.0	ug/l	50.0	ND	113	51-138			
Chloromethane	51.3	0.29	1.0	ug/l	50.0	ND	103	0.1-273			
cis-1,3-Dichloropropene	60.2	0.36	1.0	ug/l	50.0	ND	120	0.1-227			
Dibromochloromethane	65.9	0.35	1.0	ug/l	50.0	ND	132	53-149			
Dichlorodifluoromethane (Freon 12)	53.3	0.30	1.0	ug/l	50.0	ND	107	32-141			
Ethylbenzene	57.2	0.41	1.0	ug/l	50.0	ND	114	37-162			
m-Dichlorobenzene	50.1	0.39	1.0	ug/l	50.0	ND	100	59-156			
Methylene chloride	51.0	0.39	1.0	ug/l	50.0	ND	102	0.1-221			
o-Dichlorobenzene	55.4	0.35	1.0	ug/l	50.0	ND	111	18-190			
p-Dichlorobenzene	52.7	0.42	1.0	ug/l	50.0	ND	105	18-190			
Tetrachloroethene	56.3	0.34	1.0	ug/l	50.0	ND	113	64-148			
Toluene	93.1	0.36	1.0	ug/l	50.0	ND	186	47-150			MS-05
trans-1,2-Dichloroethene	50.2	0.27	1.0	ug/l	50.0	ND	100	54-156			
trans-1,3-Dichloropropene	61.6	0.33	1.0	ug/l	50.0	ND	123	17-183			
Trichloroethene	56.9	0.34	1.0	ug/l	50.0	ND	114	71-157			
Trichlorofluoromethane	52.6	0.43	1.0	ug/l	50.0	ND	105	17-181			
Vinyl chloride	52.2	0.31	1.0	ug/l	50.0	ND	104	0.1-251			
Surrogate(s)											
1,2-Dichloroethane-d4	*50.7*			*ug/l*	*50.0*		*101*	*82-125*			
4-Bromofluorobenzene	*51.0*			*ug/l*	*50.0*		*102*	*88-108*			
Toluene-d8	*52.1*			*ug/l*	*50.0*		*104*	*92-112*			
Matrix Spike Dup (W2B1715-MSD1)	**Source: 2B24111-01**				**Prepared: 02/25/22**	**Analyzed: 02/26/22**					
1,1,1-Trichloroethane	57.8	0.31	1.0	ug/l	50.0	ND	116	52-162	3	25	
1,1,2,2-Tetrachloroethane	50.7	0.38	1.0	ug/l	50.0	ND	101	46-157	3	25	
1,1,2-Trichloroethane	58.5	0.42	1.0	ug/l	50.0	ND	117	52-150	0.8	25	
1,1-Dichloroethane	52.9	0.32	1.0	ug/l	50.0	ND	106	59-155	2	25	
1,1-Dichloroethene	51.8	0.32	1.0	ug/l	50.0	ND	104	0.1-234	2	25	
1,2-Dichloroethane	53.8	0.54	1.0	ug/l	50.0	ND	108	49-155	1	25	
1,2-Dichloropropane	57.2	0.42	1.0	ug/l	50.0	ND	114	0.1-210	1	25	
2-Butanone	64.0	2.0	5.0	ug/l	50.0	ND	128	36-145	6	25	
2-Chloroethyl vinyl ether	64.2	0.19	1.0	ug/l	50.0	ND	128	0.1-305	1	25	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2B1715 - EPA 624.1 (Continued)											
Matrix Spike Dup (W2B1715-MSD1)	**Source: 2B24111-01**				**Prepared: 02/25/22**	**Analyzed: 02/26/22**					
2-Hexanone	94.1	0.46	5.0	ug/l	50.0	ND	188	46-152	5	25	MS-05
4-Methyl-2-pentanone	78.6	0.59	5.0	ug/l	50.0	ND	157	54-146	6	25	MS-05
Acetone	717	1.6	5.0	ug/l	500	2.82	143	11-169	8	25	
Acrolein	78.6	1.2	5.0	ug/l	50.0	ND	157	5-170	1	25	
Acrylonitrile	64.3	0.63	2.0	ug/l	50.0	ND	129	59-133	0.3	25	
Benzene	57.4	0.47	1.0	ug/l	50.0	ND	115	37-151	1	25	
Bromodichloromethane	61.6	0.44	1.0	ug/l	50.0	ND	123	35-155	3	25	
Bromoform	64.7	0.27	1.0	ug/l	50.0	0.901	128	45-169	0.3	25	
Bromomethane	39.8	0.50	1.0	ug/l	50.0	ND	80	0.1-242	10	25	
Carbon tetrachloride	61.6	0.28	1.0	ug/l	50.0	ND	123	70-140	0.6	25	
Chlorobenzene	55.1	0.35	1.0	ug/l	50.0	ND	110	37-160	0.1	25	
Chloroethane	49.6	0.38	1.0	ug/l	50.0	ND	99	14-230	3	25	
Chloroform	56.0	0.29	1.0	ug/l	50.0	ND	112	51-138	0.8	25	
Chloromethane	53.5	0.29	1.0	ug/l	50.0	ND	107	0.1-273	4	25	
cis-1,3-Dichloropropene	60.6	0.36	1.0	ug/l	50.0	ND	121	0.1-227	0.6	25	
Dibromochloromethane	66.7	0.35	1.0	ug/l	50.0	ND	133	53-149	1	25	
Dichlorodifluoromethane (Freon 12)	53.7	0.30	1.0	ug/l	50.0	ND	107	32-141	0.8	25	
Ethylbenzene	57.5	0.41	1.0	ug/l	50.0	ND	115	37-162	0.7	25	
m-Dichlorobenzene	49.9	0.39	1.0	ug/l	50.0	ND	100	59-156	0.3	25	
Methylene chloride	50.1	0.39	1.0	ug/l	50.0	ND	100	0.1-221	2	25	
o-Dichlorobenzene	53.4	0.35	1.0	ug/l	50.0	ND	107	18-190	4	25	
p-Dichlorobenzene	53.6	0.42	1.0	ug/l	50.0	ND	107	18-190	2	25	
Tetrachloroethene	55.2	0.34	1.0	ug/l	50.0	ND	110	64-148	2	25	
Toluene	65.4	0.36	1.0	ug/l	50.0	ND	131	47-150	35	25	MS-05
trans-1,2-Dichloroethene	48.9	0.27	1.0	ug/l	50.0	ND	98	54-156	3	25	
trans-1,3-Dichloropropene	60.8	0.33	1.0	ug/l	50.0	ND	122	17-183	1	25	
Trichloroethene	54.6	0.34	1.0	ug/l	50.0	ND	109	71-157	4	25	
Trichlorofluoromethane	55.7	0.43	1.0	ug/l	50.0	ND	111	17-181	6	25	
Vinyl chloride	52.0	0.31	1.0	ug/l	50.0	ND	104	0.1-251	0.3	25	
Surrogate(s)											
1,2-Dichloroethane-d4	*50.4*			*ug/l*	*50.0*		*101*	*82-125*			
4-Bromofluorobenzene	*50.6*			*ug/l*	*50.0*		*101*	*88-108*			
Toluene-d8	*50.2*			*ug/l*	*50.0*		*100*	*92-112*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual Encina Influent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 03/24/2022 11:33

Notes and Definitions

Item	Definition
AN-IP	Sample results for structural isomers may have contribution from their isomeric pair.
I	Interference
J	Concentration detected is below the calibration range
Ja	Estimated conc. detected <MRL and >MDL.
M-02	Due to the nature of matrix interferences, sample was diluted prior to preparation. The MDL and MRL were raised due to the dilution.
M-04	Due to the nature of matrix interferences, sample extract was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
O-04	This analysis was performed outside the EPA recommended holding time.
P	Recovery outside of target range
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
Q-12	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
Q-ME	Acceptable QC with marginal exceedance
S-11	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-85664-1
Client Project/Site: 2022 Annual Encina Influent Priority Pollutant

For:
Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, California 92011

Attn: Jeff Parks

Authorized for release by:
3/17/2022 3:53:54 PM

Janice Hsu, Project Manager I
(657)210-6359
Janice.Hsu@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Encina Wastewater Authority
Job ID: 570-85664-1
Project/Site: 2022 Annual Encina Influent Priority Pollutant

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Case Narrative

Client: Encina Wastewater Authority
Job ID: 570-85664-1
Project/Site: 2022 Annual Encina Influent Priority Pollutant

Job ID: 570-85664-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-85664-1

Comments
No additional comments.

Receipt
The sample was received on 2/24/2022 7:00 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.5º C.

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

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

Detection Summary

Client: Encina Wastewater Authority
Job ID: 570-85664-1
Project/Site: 2022 Annual Encina Influent Priority Pollutant

Client Sample ID: Encina Influent
Lab Sample ID: 570-85664-1

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Encina Wastewater Authority
Job ID: 570-85664-1
Project/Site: 2022 Annual Encina Influent Priority Pollutant

Method: 245.1 - Mercury (CVAA)

Client Sample ID: Encina Influent
Date Collected: 02/23/22 08:59
Date Received: 02/24/22 19:00

Lab Sample ID: 570-85664-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00025	0.00012	mg/L		03/07/22 06:03	03/09/22 15:29	1

Client: Encina Wastewater Authority
Job ID: 570-85664-1
Project/Site: 2022 Annual Encina Influent Priority Pollutant

General Chemistry

Client Sample ID: Encina Influent
Date Collected: 02/23/22 08:59
Date Received: 02/24/22 19:00

Lab Sample ID: 570-85664-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.0050	0.0025	mg/L		03/07/22 14:01	03/07/22 17:26	1

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 570-217562/1-A
Matrix: Water
Analysis Batch: 217702

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 217562

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00025	0.00012	mg/L		03/07/22 06:03	03/07/22 11:50	1

Lab Sample ID: LCS 570-217562/2-A
Matrix: Water
Analysis Batch: 217702

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 217562

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0100	0.00996		mg/L		100	85 - 115

Lab Sample ID: LCSD 570-217562/3-A
Matrix: Water
Analysis Batch: 217702

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 217562

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.00982		mg/L		98	85 - 115	1	10

Lab Sample ID: 440-295498-C-1-H MS
Matrix: Water
Analysis Batch: 217702

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 217562

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.0100	0.0106		mg/L		106	70 - 130

Lab Sample ID: 440-295498-C-1-I MSD
Matrix: Water
Analysis Batch: 217702

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 217562

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.0100	0.0106		mg/L		106	70 - 130	0	10

Method: SM 4500 CN E - Cyanide, Total (Low Level)

Lab Sample ID: MB 440-668507/1-A
Matrix: Water
Analysis Batch: 668522

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.0050	0.0025	mg/L		03/07/22 14:01	03/07/22 17:26	1

Lab Sample ID: LCS 440-668507/2-A
Matrix: Water
Analysis Batch: 668522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.0942		mg/L		94	80 - 120

Method: SM 4500 CN E - Cyanide, Total (Low Level) (Continued)

Lab Sample ID: 570-85733-K-1-B MS
Matrix: Water
Analysis Batch: 668522

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 668507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		0.100	0.0965		mg/L		96	75 - 125

Lab Sample ID: 570-85733-K-1-C MSD
Matrix: Water
Analysis Batch: 668522

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 668507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	ND		0.100	0.101		mg/L		101	75 - 125	4	20

QC Association Summary

Client: Encina Wastewater Authority
Job ID: 570-85664-1
Project/Site: 2022 Annual Encina Influent Priority Pollutant

Metals

Prep Batch: 217562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-85664-1	Encina Influent	Total/NA	Water	245.1	
MB 570-217562/1-A	Method Blank	Total/NA	Water	245.1	
LCS 570-217562/2-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 570-217562/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	
440-295498-C-1-H MS	Matrix Spike	Total/NA	Water	245.1	
440-295498-C-1-I MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	

Analysis Batch: 217702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-217562/1-A	Method Blank	Total/NA	Water	245.1	217562
LCS 570-217562/2-A	Lab Control Sample	Total/NA	Water	245.1	217562
LCSD 570-217562/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	217562
440-295498-C-1-H MS	Matrix Spike	Total/NA	Water	245.1	217562
440-295498-C-1-I MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	217562

Analysis Batch: 218345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-85664-1	Encina Influent	Total/NA	Water	245.1	217562

General Chemistry

Prep Batch: 668507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-85664-1	Encina Influent	Total/NA	Water	Distill/CN	
MB 440-668507/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 440-668507/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	
570-85733-K-1-B MS	Matrix Spike	Total/NA	Water	Distill/CN	
570-85733-K-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	Distill/CN	

Analysis Batch: 668522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-85664-1	Encina Influent	Total/NA	Water	SM 4500 CN E	668507
MB 440-668507/1-A	Method Blank	Total/NA	Water	SM 4500 CN E	668507
LCS 440-668507/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN E	668507
570-85733-K-1-B MS	Matrix Spike	Total/NA	Water	SM 4500 CN E	668507
570-85733-K-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CN E	668507

Lab Chronicle

Client: Encina Wastewater Authority
Job ID: 570-85664-1
Project/Site: 2022 Annual Encina Influent Priority Pollutant

Client Sample ID: Encina Influent
Lab Sample ID: 570-85664-1
Date Collected: 02/23/22 08:59
Matrix: Water
Date Received: 02/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	245.1			50 mL	100 mL	217562	03/07/22 06:03	WL8G	ECL 4
Total/NA	Analysis	245.1		1			218345	03/09/22 15:29	VWJ7	ECL 4
	Instrument ID: HG7									
Total/NA	Prep	Distill/CN			50 mL	50 mL	668507	03/07/22 14:01	GG0B	IRV 2
Total/NA	Analysis	SM 4500 CN E		1			668522	03/07/22 17:26	GG0B	IRV 2
	Instrument ID: Genesys30-5									

Laboratory References:

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

IRV 2 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Encina Wastewater Authority
Job ID: 570-85664-1
Project/Site: 2022 Annual Encina Influent Priority Pollutant

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-22
California	SCAQMD LAP	17LA0919	11-30-21 *
California	State	2944	09-30-22
Guam	State	21-003R	06-22-22
Nevada	State	CA00111	07-31-22
Oregon	NELAP	CA300001	01-31-23
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-12-22

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2706	06-30-22

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

Method Summary

Client: Encina Wastewater Authority
Job ID: 570-85664-1
Project/Site: 2022 Annual Encina Influent Priority Pollutant

Method	Method Description	Protocol	Laboratory
245.1	Mercury (CVAA)	EPA	ECL 4
SM 4500 CN E	Cyanide, Total (Low Level)	SM	IRV 2
245.1	Preparation, Mercury	EPA	ECL 4
Distill/CN	Distillation, Cyanide	None	IRV 2

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

IRV 2 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Encina Wastewater Authority
Project/Site: 2022 Annual Encina Influent Priority Pollutant

Job ID: 570-85664-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-85664-1	Encina Influent	Water	02/23/22 08:59	02/24/22 19:00

Eurofins Calscience Irvine
17461 Derian Ave Suite 100
Irvine, CA 92614-5817
Phone (949) 261-1022 Fax (949) 260-3297

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Steven Nguyen	Lab PM: Janice Hsu	Carrier Tracking No(s):	COC No:
Client Contact: Jeff Parks	Phone: 760.268.8801	E-Mail: Janice.Hsu@Eurofinset.com		Page: Page 1 of 1
Company: Encina Wastewater Authority				Job #:
Address: 6200 Avenida Encinas	Due Date Requested:			
City: Carlsbad	TAT Requested (days): 14 Working Days			
State, Zip: California, 92011				
Phone: 260-268-8801	PO #: 2022-0063			
Email: jparks@encinajpa.com	WO #:			
Project Name: 2022 Annual Encina Influent Priority Pollutant Scan	Project #:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Mercury 245.1	Total Cyanide SM 4500 CN-E	Total Number of containers	Special Instructions/Note:
Encina Influent	2/22-23/22	0854-0859	C	WW			X		1	D
Encina Influent	2/22-23/22	0854-0859	C	WW				X	1	B

570-85664 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	2/24/22 1300	EWA	William Rivera	2/24/22 1320	ECT
2	WR	2/24/22 1900	ECT	[signature]	2/24/22 1800	ECT
3				[signature]		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.5/0.5 IR-09

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: Encina Wastewater Authority

Job Number: 570-85664-1

Login Number: 85664
List Number: 1
Creator: Lagunas, Jorge L

List Source: Eurofins Calscience

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	

eSMR PDF Report

Summary: Semi-Annual SMR (MONNPDES) report for H2 2022

Summary: Semi-Annual SMR (MONNPDES) report for H2 2022 submitted by Octavio Navarrete (Chief Plant Operator) on 01/30/2023.

Facility Name: Carlsbad WRF **/** Encina Ocean Outfall **/** Encina Water Pollution Control Facility **/** Vallecitos WD Meadowlark WRP

Waterboard Office: Region 9 - San Diego **/** Region 9 - San Diego **/** Region 9 - San Diego **/** Region 9 - San Diego

Report Effective Dates: 07/01/2022 - 12/31/2022

Order Number: R9-2018-0059

Case Worker: Joann L Lim

No Discharge Periods

Name	Description	Dates	Comments
Encina Ocean Outfall 001	POTW Effluent and waste brine		No Discharge Flows from M-002 or M-005.

Self-Determined Violations

No Violations Entered

Attachments

No Attachments Available

Cover Letter

Title
SDRWQCB, Attached is the July-December 2022 Semi Annual NPDES Monitoring Report. Sincerely, EWA Staff

Data Summary

Analytical Results

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Analytical Method	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	1,1,1-Trichloroethane E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.033 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,1,1-Trichloroethane E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.19 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,1,2,2-Tetrachloroethane E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.15 - .5	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Analytical Method	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	1,1,2,2-Tetrachloroethane E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.02625 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,1,2-Trichloroethane E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.16 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,1,2-Trichloroethane E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.028 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,1-Dichloroethylene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.03676 - .0875283	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,1-Dichloroethylene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.21 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,2-Dichlorobenzene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.27 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,2-Dichlorobenzene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0472 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,2-Dichloroethane E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0122 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,2-Dichloroethane E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.07 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,2-Diphenylhydrazine E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0875 - .1751	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,2-Diphenylhydrazine E625	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.5 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,3-Dichlorobenzene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0315 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,3-Dichlorobenzene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.18 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,4-Dichlorobenzene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.18 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,4-Dichlorobenzene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0315 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4,6-Trichlorophenol E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.07 - .8753	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4,6-Trichlorophenol E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.4 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-DDD E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.003 - .005	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-DDD E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0005 - .0009	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Analytical Method	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	2,4-DDE E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.002 - .005	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-DDE E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0004 - .0009	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-DDT E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.001 - .005	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-DDT E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0002 - .0009	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-Dinitrophenol E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.3501 - .8752	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-Dinitrophenol E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	2 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-Dinitrotoluene E625	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.9 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-Dinitrotoluene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.1576 - .8753	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	3,3-Dichlorobenzidine E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.8752 - .8752	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	3,3-Dichlorobenzidine E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	5 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	4,4-DDD E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0002 - .0018	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	4,4-DDD E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.001 - .01	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	4,4-DDE E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0002 - .0018	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	4,4-DDE E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.001 - .01	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	4,4-DDT E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0007 - .0018	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	4,4-DDT E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.004 - .01	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	4,6-Dinitro-2-methylphenol E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.3501 - .8752	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	4,6-Dinitro-2-methylphenol E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	2 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Acenaphthylene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0035 - .035	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Analytical Method	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Acenaphthylene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.02 - .2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Acrolein E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.81 - 2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Acrolein E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.1417 - .3501	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Acrylonitrile E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.75 - 2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Acrylonitrile E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.1312 - .3501	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Aldrin E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.003 - .005	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Aldrin E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0005 - .00087	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Anthracene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.03 - .3	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Anthracene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0052 - .052	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Antimony, Total Recoverable E200.7	12/30/2022 07:00:00 01/04/2023	- 1 -	ND ug/L	8 - 16	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Antimony, Total Recoverable E200.7	12/30/2022 07:00:00 01/04/2023	- 1 -	ND lb/day	1.5225 - 3.045	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0315 - .875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.18 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzidine E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	4 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzidine E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.7002 - .8573	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(a)anthracene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.05 - .3	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(a)anthracene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0087 - .0525	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(a)pyrene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.04 - .3	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(a)pyrene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.007 - .0525	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Analytical Method	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Benzo(b)fluoranthene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.05 - .3	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(b)fluoranthene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.00875 - .0525	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(ghi)perylene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.05 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(ghi)perylene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0087 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(k)fluoranthene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0035 - .0525	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(k)fluoranthene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.02 - .3	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Beryllium, Total Recoverable E200.8	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.021 - .035	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Beryllium, Total Recoverable E200.8	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.12 - .2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	BHC, Sum E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.013 - .03	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	BHC, Sum E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0022 - .0052	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bis (2-Chloroethoxy) Methane E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0875 - .875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bis (2-Chloroethoxy) Methane E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.5 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bis (2-Chloroethyl) Ether E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.1576 - .1751	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bis (2-Chloroethyl) Ether E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.9 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bis (2-Chloroisopropyl) Ether E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.9 - 2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bis (2-Chloroisopropyl) Ether E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.15755 - .3501	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bis (2-Ethylhexyl) Phthalate E625	08/09/2022 06:58:00 08/18/2022	- 1 -	DNQ 0.473 lb/day	.0875 - .5252	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bis (2-Ethylhexyl) Phthalate E625	08/09/2022 06:58:00 08/18/2022	- 1 -	DNQ 2.7 ug/L	.5 - 3	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bromoform E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.15 - .5	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Analytical Method	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Bromoform E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0263 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bromomethane E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0525 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bromomethane E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.3 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Carbon Tetrachloride E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.16 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Carbon Tetrachloride E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.028 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chlordane E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.003 - .01	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chlordane E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0018 - .0053	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chlorobenzene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0315 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chlorobenzene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.18 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chloroform E624	08/09/2022 06:58:00 08/12/2022	- 1 -	DNQ 0.061 lb/day	.0105 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chloroform E624	08/09/2022 06:58:00 08/12/2022	- 1 -	DNQ 0.35 ug/L	.06 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chloromethane E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0228 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chloromethane E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.13 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chrysene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0087 - .0525	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chrysene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.05 - .3	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	cis-1,3-Dichloropropene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.09 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	cis-1,3-Dichloropropene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0157 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	DDT/DDD/DDE, Sum of P,P & O,P Isomers E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0021 - .0079	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	DDT/DDD/DDE, Sum of P,P & O,P Isomers E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.012 - .045	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Analytical Method	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Di-n-butyl Phthalate E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.4 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Di-n-butyl Phthalate E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.07 - .8752	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dibenzo(a,h)anthracene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.00875 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dibenzo(a,h)anthracene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.05 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dibromochloromethane E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0298 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dibromochloromethane E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.17 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dichlorobenzenes, Sum E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.45 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dichlorobenzenes, Sum E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0787 - .175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dichlorobromomethane E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.08 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dichlorobromomethane E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.014 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dieldrin E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0004 - .0018	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dieldrin E625	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.002 - .01	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Diethyl Phthalate E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0875 - .3501	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Diethyl Phthalate E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.5 - 2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dimethyl Phthalate E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.5 - 2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dimethyl Phthalate E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0875 - .3501	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Endosulfans, Sum E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.011 - .03	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Endosulfans, Sum E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0019 - .0052	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Endrin E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0005 - .00175	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Analytical Method	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Endrin E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.003 - .01	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Ethylbenzene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0175 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Ethylbenzene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.1 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Fluoranthene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0035 - .00875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Fluoranthene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.02 - .05	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Fluorene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0035 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Fluorene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.02 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Halomethanes, Sum E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.58 - 1.5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Halomethanes, Sum E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.1015 - .2625	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Heptachlor E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0007 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Heptachlor E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.004 - .01	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Heptachlor Epoxide E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.001 - .01	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Heptachlor Epoxide E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0002 - .0018	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Hexachlorobenzene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.1751 - .1751	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Hexachlorobenzene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	1 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Hexachlorobutadiene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.07 - .1751	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Hexachlorobutadiene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.4 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Hexachlorocyclopentadiene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.9 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Hexachlorocyclopentadiene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.1575 - .175	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Analytical Method	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Hexachloroethane E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.4 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Hexachloroethane E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.07 - .1751	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Indeno (1,2,3-cd) Pyrene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.05 - .05	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Indeno (1,2,3-cd) Pyrene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0088 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Isophorone E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0875 - .17505	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Isophorone E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.5 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Methylene Chloride E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.12 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Methylene Chloride E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.021 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	N-Nitrosodi-n-Propylamine E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.5 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	N-Nitrosodi-n-Propylamine E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0875 - .8752	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	N-Nitrosodimethylamine E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.7 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	N-Nitrosodimethylamine E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.1225 - .8752	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	N-Nitrosodiphenylamine E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.1225 - .175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	N-Nitrosodiphenylamine E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.7 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Nitrobenzene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.5 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Nitrobenzene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0875283 - .1750566	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1016 E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0053 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1016 E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.03 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1221 E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.03 - .1	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Analytical Method	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	PCB-1221 E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0053 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1232 E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0053 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1232 E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.03 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1242 E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.03 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1242 E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0053 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1248 E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.03 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1248 E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0053 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1254 E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0053 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1254 E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.03 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1260 E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.03 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1260 E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0053 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Phenanthrene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.02 - .05	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Phenanthrene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0035 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Phenols, Chlorinated E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.4726 - 2.4507	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Phenols, Chlorinated E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	2.7 - 14	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Phenols, Non-chlorinated E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	7.4 - 33	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Phenols, Non-chlorinated E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	1.295 - 5.776	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Polychlorinated Biphenyls (PCBs), Sum E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.21 - .7	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Polychlorinated Biphenyls (PCBs), Sum E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0368 - .1225	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Analytical Method	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Polynuclear Aromatic Hydrocarbons (PAHs) E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.47 - 3.8	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Polynuclear Aromatic Hydrocarbons (PAHs) E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0823 - .6652	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Pyrene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.02 - .05	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Pyrene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0035 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Radiation, Gross Alpha E900	08/09/2022 06:58:00 08/22/2022	- 1 -	= 0.987 PCi/L	- - -	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Radiation, Gross Beta E900	08/09/2022 06:58:00 08/24/2022	- 1 -	= 23.2 PCi/L	- - -	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Radioactivity E900	08/09/2022 06:58:00 08/24/2022	- 1 -	= 24.19 PCi/L	- - -	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	TCDD Equivalents SW8280	08/09/2022 06:58:00 09/06/2022	- 1 -	DNQ 0.000000003 lb/day	.000002 - .0001	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	TCDD Equivalents SW8280	08/09/2022 06:58:00 09/06/2022	- 1 -	DNQ 0.000000019 ug/L	.000048 - .000577	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Tetrachloroethene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.19 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Tetrachloroethene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0333 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Thallium, Total Recoverable E200.8	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.03 - .2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Thallium, Total Recoverable E200.8	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0053 - .035	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Toluene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.19 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Toluene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0332 - .08752	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Toxaphene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.07 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Toxaphene E625	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.4 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Tributyltin (TBT) DU	08/09/2022 06:58:00 08/17/2022	- 1 -	ND lb/day	.0004 - .00087	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Analytical Method	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Tributyltin (TBT) DU	08/09/2022 06:58:00 08/17/2022	- 1 -	ND ug/L	.0023 - .005	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Trichloroethene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.2 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Trichloroethene E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.035 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Vinyl Chloride E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.25 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Vinyl Chloride E624	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0437 - .0875	No -		CDF_Analytical_Calculated_01262023.zip

Calculated Values

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	1,1,1-Trichloroethane 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.033 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,1,1-Trichloroethane 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.19 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,1,2,2-Tetrachloroethane 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.15 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,1,2,2-Tetrachloroethane 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.02625 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,1,2-Trichloroethane 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.028 - .0875283	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,1,2-Trichloroethane 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.16 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,1-Dichloroethylene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.21 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,1-Dichloroethylene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0368 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,2-Dichlorobenzene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.27 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,2-Dichlorobenzene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0472 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,2-Dichloroethane 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0122 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,2-Dichloroethane 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.07 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,2-Diphenylhydrazine 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0875 - .1751	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	1,2-Diphenylhydrazine 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.5 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,3-Dichlorobenzene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.18 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,3-Dichlorobenzene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0315 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,4-Dichlorobenzene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0315 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	1,4-Dichlorobenzene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.18 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4,6-Trichlorophenol 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.4 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4,6-Trichlorophenol 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.07 - .8753	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-DDD 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.003 - .005	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-DDD 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0005 - .0009	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-DDE 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0004 - .0009	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-DDE 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.002 - .005	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-DDT 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.001 - .005	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-DDT 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0002 - .0009	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-Dinitrophenol 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.3501 - .8752	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-Dinitrophenol 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	2 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-Dinitrotoluene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.9 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	2,4-Dinitrotoluene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.1576 - .8753	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	3,3-Dichlorobenzidine 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	5 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	3,3-Dichlorobenzidine 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.8752 - .8752	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	4,4-DDD 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.001 - .01	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	4,4-DDD 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0002 - .0018	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	4,4-DDE 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0002 - .0018	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	4,4-DDE 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.001 - .01	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	4,4-DDT 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.004 - .01	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	4,4-DDT 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0007 - .0018	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	4,6-Dinitro-2-methylphenol 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.3501 - .8752	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	4,6-Dinitro-2-methylphenol 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	2 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Acenaphthylene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0035 - .035	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Acenaphthylene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.02 - .2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Acrolein 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.81 - 2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Acrolein 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.1417 - .3501	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Acrylonitrile 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.1312 - .3501	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Acrylonitrile 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.75 - 2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Aldrin 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.003 - .005	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Aldrin 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0005 - .00087	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Ammonia, Total (as N) 6-Month Median	11/02/2022 07:26:00 11/15/2022	- 2 -	= 4300 ug/L	70 - 110	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Ammonia, Total (as N) 6-Month Median	11/02/2022 07:26:00 11/15/2022	- 1 -	= 4300 ug/L	70 - 110	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Ammonia, Total (as N) 6-Month Median	11/02/2022 07:26:00 11/15/2022	- 1 -	= 7355 lb/day	114 - 181	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Ammonia, Total (as N) 6-Month Median	11/02/2022 07:26:00 11/15/2022	- 2 -	= 7355 lb/day	114 - 181	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Anthracene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.03 - .3	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Anthracene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0052 - .0525	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Antimony, Total Recoverable 30-Day Average	12/30/2022 07:00:00 01/04/2023	- 1 -	ND ug/L	8 - 16	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Antimony, Total Recoverable 30-Day Average	12/30/2022 07:00:00 01/04/2023	- 1 -	ND lb/day	1.5225 - 3.045	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Arsenic, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 2 -	ND lb/day	.9515 - 1.7128	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Arsenic, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 2 -	ND ug/L	5 - 9	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Arsenic, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 1 -	ND ug/L	5 - 9	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Arsenic, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 1 -	ND lb/day	.9515 - 1.7128	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0315 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.18 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzidine 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.7002 - .8573	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzidine 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	4 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(a)anthracene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0087 - .0525	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(a)anthracene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.05 - .3	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(a)pyrene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.04 - .3	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(a)pyrene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.007 - .0525	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(b)fluoranthene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.05 - .3	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(b)fluoranthene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0087 - .0525	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Benzo(ghi)perylene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0087 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(ghi)perylene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.05 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(k)fluoranthene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0035 - .0525	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Benzo(k)fluoranthene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.02 - .3	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Beryllium, Total Recoverable 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.021 - .035	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Beryllium, Total Recoverable 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.12 - .2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	BHC, Sum 6-Month Median	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.013 - .03	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	BHC, Sum 6-Month Median	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0022 - .0052	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bis (2-Chloroethoxy) Methane 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0875 - .8752	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bis (2-Chloroethoxy) Methane 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.5 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bis (2-Chloroethyl) Ether 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.9 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bis (2-Chloroethyl) Ether 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.1576 - .1751	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bis (2-Chloroisopropyl) Ether 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.15755 - .3501	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bis (2-Chloroisopropyl) Ether 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.9 - 2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bis (2-Ethylhexyl) Phthalate 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	DNQ 2.7 ug/L	.5 - 3	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bis (2-Ethylhexyl) Phthalate 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	DNQ 0.473 lb/day	.0875 - .5252	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bromoform 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0263 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bromoform 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.15 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Bromomethane 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0525 - .0875	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Bromomethane 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.3 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Cadmium, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 1 -	ND ug/L	4 - 8	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Cadmium, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 2 -	ND lb/day	.7612 - 1.5225	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Cadmium, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 2 -	ND ug/L	4 - 8	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Cadmium, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 1 -	ND lb/day	.7612 - 1.5225	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Carbon Tetrachloride 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.028 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Carbon Tetrachloride 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.16 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chlordane 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0018 - .0053	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chlordane 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.003 - .01	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chlorobenzene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.18 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chlorobenzene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0315 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chloroform 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	DNQ 0.061 lb/day	.0105 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chloroform 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	DNQ 0.35 ug/L	.06 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chloromethane 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0228 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chloromethane 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.13 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chromium, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 2 -	ND lb/day	.7612 - 1.5225	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chromium, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 1 -	ND ug/L	4 - 8	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chromium, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 2 -	ND ug/L	4 - 8	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chromium, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 1 -	ND lb/day	.7612 - 1.5225	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Chrysene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0087 - .0525	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Chrysene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.05 - .3	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	cis-1,3-Dichloropropene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.09 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	cis-1,3-Dichloropropene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0157 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Copper, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 2 -	DNQ 0.952 lb/day	.901 - 1.801	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Copper, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 1 -	DNQ 0.952 lb/day	.901 - 1.801	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Copper, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 1 -	DNQ 5 ug/L	5 - 10	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Copper, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 2 -	DNQ 5 ug/L	5 - 10	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Cyanide, Total (as CN) 6-Month Median	08/09/2022 06:58:00 08/19/2022	- 2 -	ND ug/L	2.5 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Cyanide, Total (as CN) 6-Month Median	08/09/2022 06:58:00 08/19/2022	- 1 -	ND lb/day	.4376 - .875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Cyanide, Total (as CN) 6-Month Median	08/09/2022 06:58:00 08/19/2022	- 2 -	ND lb/day	.4376 - .8752	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Cyanide, Total (as CN) 6-Month Median	08/09/2022 06:58:00 08/19/2022	- 1 -	ND ug/L	2.5 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	DDT/DDD/DDE, Sum of P,P & O,P Isomers 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0021 - .0079	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	DDT/DDD/DDE, Sum of P,P & O,P Isomers 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.012 - .045	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Di-n-butyl Phthalate 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.4 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Di-n-butyl Phthalate 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.07 - .8752	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dibenzo(a,h)anthracene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.05 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dibenzo(a,h)anthracene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0087 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dibromochloromethane 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0298 - .0875	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Dibromochloromethane 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.17 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dichlorobenzenes, Sum 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.45 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dichlorobenzenes, Sum 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0787 - .175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dichlorobromomethane 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.014 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dichlorobromomethane 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.08 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dieldrin 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.002 - .01	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dieldrin 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0004 - .0018	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Diethyl Phthalate 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0875 - .3501	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Diethyl Phthalate 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.5 - 2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dimethyl Phthalate 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.5 - 2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Dimethyl Phthalate 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0875 - .3501	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Endosulfans, Sum 6-Month Median	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0019 - .0052	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Endosulfans, Sum 6-Month Median	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.011 - .03	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Endrin 6-Month Median	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.003 - .01	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Endrin 6-Month Median	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0005 - .00175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Ethylbenzene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0175 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Ethylbenzene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.1 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Fluoranthene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0035 - .00875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Fluoranthene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.02 - .05	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Fluorene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0035 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Fluorene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.02 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Halomethanes, Sum 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.58 - 1.5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Halomethanes, Sum 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.1015 - .2625	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Heptachlor 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0007 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Heptachlor 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.004 - .01	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Heptachlor Epoxide 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.001 - .01	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Heptachlor Epoxide 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0002 - .0018	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Hexachlorobenzene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.1751 - .1751	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Hexachlorobenzene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	1 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Hexachlorobutadiene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.07 - .1751	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Hexachlorobutadiene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.4 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Hexachlorocyclopentadiene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.1575 - .175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Hexachlorocyclopentadiene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.9 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Hexachloroethane 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.4 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Hexachloroethane 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.07 - .1751	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Indeno (1,2,3-cd) Pyrene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0088 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Indeno (1,2,3-cd) Pyrene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.05 - .05	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Isophorone 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0875 - .17505	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Isophorone 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.5 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Lead, Total Recoverable 6-Month Median	08/09/2022 06:58:00 08/12/2022	- 2 -	ND lb/day	.0105 - .035	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Lead, Total Recoverable 6-Month Median	08/09/2022 06:58:00 08/12/2022	- 2 -	ND ug/L	.063 - .2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Lead, Total Recoverable 6-Month Median	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0105 - .03501	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Lead, Total Recoverable 6-Month Median	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.063 - .2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Mercury, Total Recoverable 6-Month Median	08/09/2022 06:58:00 08/12/2022	- 2 -	ND ug/L	.12 - .2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Mercury, Total Recoverable 6-Month Median	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.12 - .2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Mercury, Total Recoverable 6-Month Median	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.021 - .035	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Mercury, Total Recoverable 6-Month Median	08/09/2022 06:58:00 08/12/2022	- 2 -	ND lb/day	.021 - .035	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Methylene Chloride 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.021 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Methylene Chloride 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.12 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	N-Nitrosodi-n-Propylamine 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.5 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	N-Nitrosodi-n-Propylamine 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0875 - .8752	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	N-Nitrosodimethylamine 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.1225 - .8752	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	N-Nitrosodimethylamine 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.7 - 5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	N-Nitrosodiphenylamine 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.7 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	N-Nitrosodiphenylamine 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.1225 - .175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Nickel, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 1 -	DNQ 4 ug/L	4 - 8	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Nickel, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 2 -	DNQ 0.76 lb/day	.7612 - 1.522	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Nickel, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 1 -	DNQ 0.76 lb/day	.7612 - 1.5225	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Nickel, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 2 -	DNQ 4 ug/L	4 - 8	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Nitrobenzene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0875 - .17505	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Nitrobenzene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.5 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1016 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.03 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1016 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0053 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1221 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.03 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1221 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0053 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1232 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0053 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1232 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.03 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1242 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.03 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1242 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0053 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1248 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0053 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1248 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.03 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1254 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.03 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1254 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0053 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1260 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.03 - .1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	PCB-1260 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0053 - .0175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Phenanthrene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.02 - .05	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Phenanthrene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0035 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Phenols, Chlorinated 6-Month Median	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.4726 - 2.4507	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Phenols, Chlorinated 6-Month Median	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	2.7 - 14	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Phenols, Non-chlorinated 6-Month Median	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	1.295 - 5.776	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Phenols, Non-chlorinated 6-Month Median	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	7.4 - 33	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Polychlorinated Biphenyls (PCBs), Sum 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.21 - .7	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Polychlorinated Biphenyls (PCBs), Sum 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0368 - .1225	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Polynuclear Aromatic Hydrocarbons (PAHs) 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.47 - 3.8	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Polynuclear Aromatic Hydrocarbons (PAHs) 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0823 - .6652	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Pyrene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.0035 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Pyrene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.02 - .05	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Selenium, Total Recoverable 6-Month Median	08/09/2022 06:58:00 08/12/2022	- 2 -	= 0.175 lb/day	.098 - .175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Selenium, Total Recoverable 6-Month Median	08/09/2022 06:58:00 08/12/2022	- 1 -	= 1 ug/L	.56 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Selenium, Total Recoverable 6-Month Median	08/09/2022 06:58:00 08/12/2022	- 2 -	= 1 ug/L	.56 - 1	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Selenium, Total Recoverable 6-Month Median	08/09/2022 06:58:00 08/12/2022	- 1 -	= 0.175 lb/day	.098 - .175	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Silver, Total Recoverable 6-Month Median	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.5951 - 1.7505	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Silver, Total Recoverable 6-Month Median	08/09/2022 06:58:00 08/12/2022	- 2 -	ND ug/L	3.4 - 10	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Silver, Total Recoverable 6-Month Median	08/09/2022 06:58:00 08/12/2022	- 2 -	ND lb/day	.5951 - 1.7505	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Silver, Total Recoverable 6-Month Median	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	3.4 - 10	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	TCDD Equivalents 30-Day Average	08/09/2022 06:58:00 09/06/2022	- 1 -	DNQ 0.000000003 lb/day	.000002 - .0001	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	TCDD Equivalents 30-Day Average	08/09/2022 06:58:00 09/06/2022	- 1 -	DNQ 0.000000019 ug/L	.000048 - .000577	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Tetrachloroethene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.19 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Tetrachloroethene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0333 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Thallium, Total Recoverable 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.03 - .2	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Thallium, Total Recoverable 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0053 - .035	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Toluene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0332 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Toluene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.19 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Toxaphene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND lb/day	.07 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Toxaphene 30-Day Average	08/09/2022 06:58:00 08/18/2022	- 1 -	ND ug/L	.4 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Tributyltin (TBT) 30-Day Average	08/09/2022 06:58:00 08/17/2022	- 1 -	ND ug/L	.0023 - .005	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Tributyltin (TBT) 30-Day Average	08/09/2022 06:58:00 08/17/2022	- 1 -	ND lb/day	.0004 - .00087	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Trichloroethene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.2 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Trichloroethene 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.035 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Vinyl Chloride 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND ug/L	.25 - .5	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Vinyl Chloride 30-Day Average	08/09/2022 06:58:00 08/12/2022	- 1 -	ND lb/day	.0437 - .0875	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Zinc, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 1 -	DNQ 12 ug/L	7 - 14	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Zinc, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 2 -	DNQ 12 ug/L	7 - 14	No -		CDF_Analytical_Calculated_01262023.zip
M-004	- -	- water	Zinc, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 2 -	DNQ 2.28 lb/day	1.261 - 2.522	No -		CDF_Analytical_Calculated_01262023.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-004	- -	- water	Zinc, Total Recoverable 6-Month Median	12/30/2022 07:00:00 01/04/2023	- 1 -	DNQ 2.28 lb/day	1.261 - 2.522	No -		CDF_Analytical_Calculated_01262023.zip

Lab Batches
No Lab Batch Data Available / Reported

Questionnaire
No Questionnaire Available

Certificate

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I certify that I am Octavio Navarrete and am authorized to submit this report on behalf of Carlsbad WRF / Encina Ocean Outfall / Encina Water Pollution Control Facility / Vallecitos WD Meadowlark WRP. I understand that I am submitting the following report(s):

- Semi-Annual SMR (MONNPDES) report for H2 2022 (due 02/01/2023)

I understand that data submitted in this report(s) can be used by authorized agencies for water quality management related analyses and enforcement actions, if required.

I am also aware that my user ID, password, and answer to a challenge question constitute my electronic signature and any information I indicate I am electronically certifying contains my signature. I understand that my electronic signature is the legal equivalent of my handwritten signature. I certify that I have not violated any term in my Electronic Signature Agreement and that I am otherwise without any reason to believe that the confidentiality of my password and challenge question answers have been compromised now or at any time prior to this submission. I understand that this attestation of fact pertains to the implementation, oversight, and enforcement of a federal environmental program and must be true to the best of my knowledge.

Name: Octavio Navarrete

Title: Chief Plant Operator

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders:	2C22092	**Report Date:**	5/05/2022
		Received Date:	03/22/2022
Project:	2022 Annual CWRF Effluent Priority Pollutant Scan	**Turnaround Time:**	Normal
		Phones:	(760) 268-8801
		Fax:	
Attn:	Jeff Parks	**P.O. #:**	
Client:	Encina Wastewater Authority 6200 Avenida Encinas Carlsbad, CA 92011	**Billing Code:**	

EPA-UCMR #CA00211 • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Jeff Parks,

Enclosed are the results of analyses for samples received 3/22/22 with the Chain-of-Custody document. The samples were received in good condition, at 2.4 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Kim G. Tu
Project Manager

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported:
05/05/2022 09:15

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
CWRF Effluent 03/21-03/22/21	Adam Powell	2C22092-01	Water	03/22/22 07:11	
CWRF Effluent 03/22/21	Adam Powell	2C22092-02	Water	03/22/22 07:11	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Sample Results

Sample: CWRF Effluent 03/21-03/22/21

2C22092-01 (Water)

Sampled: 03/22/22 7:11 by Adam Powell

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W2C1684 **Preparation:** EPA 625/L-L SF			**Prepared:** 03/24/22 08:37				**Analyst:** rmr
1,2,4-Trichlorobenzene	ND	0.98	2.0	ug/l	2	04/01/22	M-04
1,2-Dichlorobenzene	ND	0.92	2.0	ug/l	2	04/01/22	M-04
1,2-Diphenylhydrazine/Azobenzene	ND	0.60	2.0	ug/l	2	04/01/22	M-04
1,3-Dichlorobenzene	ND	0.84	2.0	ug/l	2	04/01/22	M-04
1,4-Dichlorobenzene	ND	0.96	2.0	ug/l	2	04/01/22	M-04
2,4,6-Trichlorophenol	ND	0.44	2.0	ug/l	2	04/01/22	M-04
2,4-Dichlorophenol	ND	0.52	2.0	ug/l	2	04/01/22	M-04
2,4-Dimethylphenol	ND	1.5	2.0	ug/l	2	04/01/22	M-04
2,4-Dinitrophenol	ND	3.7	20	ug/l	2	04/01/22	M-04
2,4-Dinitrotoluene	ND	0.92	2.0	ug/l	2	04/01/22	M-04
2,6-Dinitrotoluene	ND	0.54	2.0	ug/l	2	04/01/22	M-04
2-Chloronaphthalene	ND	0.90	2.0	ug/l	2	04/01/22	M-04
2-Chlorophenol	ND	0.56	2.0	ug/l	2	04/01/22	M-04
2-Methyl-4,6-dinitrophenol	ND	1.0	10	ug/l	2	04/01/22	M-04
2-Nitrophenol	ND	0.52	2.0	ug/l	2	04/01/22	M-04
3,3'-Dichlorobenzidine	ND	5.0	10	ug/l	2	04/01/22	M-04
4-Bromophenyl phenyl ether	ND	0.72	2.0	ug/l	2	04/01/22	M-04
4-Chloro-3-methylphenol	ND	0.46	2.0	ug/l	2	04/01/22	M-04
4-Chlorophenyl phenyl ether	ND	0.82	2.0	ug/l	2	04/01/22	M-04
4-Nitrophenol	ND	2.5	10	ug/l	2	04/01/22	M-04
Acenaphthene	ND	0.76	2.0	ug/l	2	04/01/22	M-04
Acenaphthylene	ND	0.70	2.0	ug/l	2	04/01/22	M-04
Anthracene	ND	0.82	2.0	ug/l	2	04/01/22	M-04
Benzidine	ND	6.4	20	ug/l	2	04/01/22	M-04
Benzo (a) anthracene	ND	0.38	2.0	ug/l	2	04/01/22	M-04
Benzo (a) pyrene	ND	0.78	2.0	ug/l	2	04/01/22	M-04
Benzo (b) fluoranthene	ND	0.92	2.0	ug/l	2	04/01/22	M-04
Benzo (g,h,i) perylene	ND	0.84	4.0	ug/l	2	04/01/22	M-04
Benzo (k) fluoranthene	ND	0.44	2.0	ug/l	2	04/01/22	M-04
Bis(2-chloroethoxy)methane	ND	0.50	2.0	ug/l	2	04/01/22	M-04
Bis(2-chloroethyl)ether	ND	0.54	2.0	ug/l	2	04/01/22	M-04
Bis(2-chloroisopropyl)ether	ND	0.76	2.0	ug/l	2	04/01/22	M-04
Bis(2-ethylhexyl)phthalate	**20**	4.6	10	ug/l	2	04/01/22	M-04
Butyl benzyl phthalate	ND	0.98	2.0	ug/l	2	04/01/22	M-04
Chrysene	ND	0.38	2.0	ug/l	2	04/01/22	M-04

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Sample Results

(Continued)

Sample: CWRF Effluent 03/21-03/22/21

2C22092-01 (Water)

Sampled: 03/22/22 7:11 by Adam Powell

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W2C1684 **Preparation:** EPA 625/L-L SF			**Prepared:** 03/24/22 08:37				**Analyst:** rmr
Dibenzo (a,h) anthracene	ND	0.30	4.0	ug/l	2	04/01/22	M-04
Diethyl phthalate	ND	0.70	2.0	ug/l	2	04/01/22	M-04
Dimethyl phthalate	ND	0.36	2.0	ug/l	2	04/01/22	M-04
Di-n-butyl phthalate	ND	0.68	2.0	ug/l	2	04/01/22	M-04
Di-n-octyl phthalate	ND	0.92	2.0	ug/l	2	04/01/22	M-04
Fluoranthene	ND	0.69	2.0	ug/l	2	04/01/22	M-04
Fluorene	ND	0.70	2.0	ug/l	2	04/01/22	M-04
Hexachlorobenzene	ND	0.98	2.0	ug/l	2	04/01/22	M-04
Hexachlorobutadiene	ND	0.94	2.0	ug/l	2	04/01/22	M-04
Hexachlorocyclopentadiene	ND	0.62	10	ug/l	2	04/01/22	M-04
Hexachloroethane	ND	1.0	2.0	ug/l	2	04/01/22	M-04
Indeno (1,2,3-cd) pyrene	ND	0.49	4.0	ug/l	2	04/01/22	M-04
Isophorone	**0.89**	0.42	2.0	ug/l	2	04/01/22	J, M-04
Naphthalene	ND	0.98	2.0	ug/l	2	04/01/22	M-04
Nitrobenzene	ND	0.72	2.0	ug/l	2	04/01/22	M-04
N-Nitrosodimethylamine	ND	1.0	2.0	ug/l	2	04/01/22	M-04
N-Nitrosodi-n-propylamine	ND	0.52	2.0	ug/l	2	04/01/22	M-04
N-Nitrosodiphenylamine	ND	0.38	2.0	ug/l	2	04/01/22	M-04
Pentachlorophenol	ND	0.80	2.0	ug/l	2	04/01/22	M-04
Phenanthrene	ND	0.64	2.0	ug/l	2	04/01/22	M-04
Phenol	ND	1.6	2.0	ug/l	2	04/01/22	M-04
Pyrene	ND	0.50	2.0	ug/l	2	04/01/22	M-04
Surrogate(s)							
2,4,6-Tribromophenol	*84%*	*Conc: 34.2*	*25-120*			*04/01/22*	
2-Fluorobiphenyl	*70%*	*Conc: 14.3*	*22-120*			*04/01/22*	
2-Fluorophenol	*47%*	*Conc: 19.0*	*17-120*			*04/01/22*	
Nitrobenzene-d5	*69%*	*Conc: 14.0*	*47-120*			*04/01/22*	
Phenol-d5	*31%*	*Conc: 12.5*	*12-120*			*04/01/22*	
Terphenyl-d14	*96%*	*Conc: 19.5*	*44-129*			*04/01/22*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 608.3			**Instr:** GC07				
Batch ID: W2C1576 **Preparation:** EPA 608/L-L SF			**Prepared:** 03/23/22 08:32				**Analyst:** RJG
4,4´-DDD	ND	0.25	0.25	ug/l	5	03/31/22	M-04
4,4´-DDE	ND	0.0035	0.25	ug/l	5	03/31/22	M-04
4,4´-DDT	ND	0.0055	0.050	ug/l	5	03/31/22	M-04
Aldrin	ND	0.0050	0.025	ug/l	5	03/31/22	M-04

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Sample Results

(Continued)

Sample: CWRF Effluent 03/21-03/22/21

2C22092-01 (Water)

Sampled: 03/22/22 7:11 by Adam Powell

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 608.3			**Instr:** GC07				
Batch ID: W2C1576 **Preparation:** EPA 608/L-L SF			**Prepared:** 03/23/22 08:32				**Analyst:** RJG
alpha-BHC	ND	0.0055	0.050	ug/l	5	03/31/22	M-04
Aroclor 1016	ND	5.0	5.0	ug/l	5	03/31/22	M-04, R-01
Aroclor 1221	ND	5.0	5.0	ug/l	5	03/31/22	M-04, R-01
Aroclor 1232	ND	5.0	5.0	ug/l	5	03/31/22	M-04, R-01
Aroclor 1242	ND	5.0	5.0	ug/l	5	03/31/22	M-04, R-01
Aroclor 1248	ND	5.0	5.0	ug/l	5	03/31/22	M-04, R-01
Aroclor 1254	ND	5.0	5.0	ug/l	5	03/31/22	M-04, R-01
Aroclor 1260	ND	5.0	5.0	ug/l	5	03/31/22	M-04, R-01
beta-BHC	ND	0.0075	0.025	ug/l	5	03/31/22	M-04
Chlordane (tech)	ND	2.5	2.5	ug/l	5	03/31/22	M-04, R-01
delta-BHC	ND	0.0095	0.025	ug/l	5	03/31/22	M-04
Dieldrin	ND	0.0040	0.050	ug/l	5	03/31/22	M-04
Endosulfan I	ND	0.0045	0.10	ug/l	5	03/31/22	M-04
Endosulfan II	ND	0.0035	0.050	ug/l	5	03/31/22	M-04
Endosulfan sulfate	ND	0.0065	0.25	ug/l	5	03/31/22	M-04
Endrin	ND	0.0085	0.050	ug/l	5	03/31/22	M-04
Endrin aldehyde	ND	0.0095	0.050	ug/l	5	03/31/22	M-04
gamma-BHC (Lindane)	ND	0.0020	0.10	ug/l	5	03/31/22	M-04
Heptachlor	ND	0.050	0.050	ug/l	5	03/31/22	M-04
Heptachlor epoxide	ND	0.0020	0.050	ug/l	5	03/31/22	M-04
Toxaphene	ND	5.0	5.0	ug/l	5	03/31/22	M-04, R-01
Surrogate(s)							
Decachlorobiphenyl	*92%*	*Conc: 0.0929*	*33-133*			*03/31/22*	
Tetrachloro-meta-xylene	*54%*	*Conc: 0.0545*	*32-130*			*03/31/22*	
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods							
Method: EPA 335.4			**Instr:** AA01				
Batch ID: W2C1746 **Preparation:** _NONE (WETCHEM)			**Prepared:** 03/24/22 14:46				**Analyst:** JOG
Cyanide, Total	**8.1**	3.8	5.0	ug/l	1	03/26/22	
Metals by EPA 200 Series Methods							
Method: EPA 200.7			**Instr:** ICP03				
Batch ID: W2C1630 **Preparation:** EPA 200.2			**Prepared:** 03/23/22 11:04				**Analyst:** mpn
Aluminum, Total	ND	0.041	0.050	mg/l	1	04/06/22	
Barium, Total	**0.016**	0.00020	0.0020	mg/l	1	03/30/22	
Method: EPA 245.1			**Instr:** HG03				
Batch ID: W2C1545 **Preparation:** EPA 245.1			**Prepared:** 03/22/22 15:45				**Analyst:** KVM
Mercury, Total	ND	0.017	0.050	ug/l	1	03/24/22	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Sample Results

(Continued)

Sample: CWRF Effluent 03/21-03/22/21

2C22092-01 (Water)

Sampled: 03/22/22 7:11 by Adam Powell

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods (Continued)							
Method: EPA 245.1			**Instr:** HG03				
Batch ID: W2C1545 **Preparation:** EPA 245.1			**Prepared:** 03/22/22 15:45				**Analyst:** KVM
Perchlorate by EPA 314.0							
Method: EPA 314.0			**Instr:** LC08_Channel1				
Batch ID: W2C1771 **Preparation:** _NONE (LC)			**Prepared:** 03/25/22 10:10				**Analyst:** JAN
Perchlorate	ND	0.39	2.0	ug/l	1	03/25/22	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Sample Results

(Continued)

Sample: CWRF Effluent 03/22/21
2C22092-02 (Water)

Sampled: 03/22/22 7:11 by Adam Powell

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS							
Method: EPA 624.1			**Instr:** GCMS21				
Batch ID: W2C1574 **Preparation:** EPA 5030B			**Prepared:** 03/23/22 08:10			**Analyst:** ADM	
1,1,1-Trichloroethane	ND	0.31	1.0	ug/l	1	03/23/22	
1,1,2,2-Tetrachloroethane	ND	0.38	1.0	ug/l	1	03/23/22	
1,1,2-Trichloroethane	ND	0.42	1.0	ug/l	1	03/23/22	
1,1-Dichloroethane	ND	0.32	1.0	ug/l	1	03/23/22	
1,1-Dichloroethene	ND	0.32	1.0	ug/l	1	03/23/22	
1,2-Dichloroethane	ND	0.54	1.0	ug/l	1	03/23/22	
1,2-Dichloropropane	ND	0.42	1.0	ug/l	1	03/23/22	
2-Butanone	ND	2.0	5.0	ug/l	1	03/23/22	
2-Chloroethyl vinyl ether	ND	0.19	1.0	ug/l	1	03/23/22	
2-Hexanone	ND	0.46	5.0	ug/l	1	03/23/22	
4-Methyl-2-pentanone	ND	0.59	5.0	ug/l	1	03/23/22	
Acrolein	ND	1.2	5.0	ug/l	1	03/23/22	
Acrylonitrile	ND	0.63	2.0	ug/l	1	03/23/22	
Benzene	ND	0.47	1.0	ug/l	1	03/23/22	
Bromodichloromethane	**1.9**	0.44	1.0	ug/l	1	03/23/22	
Bromoform	**0.37**	0.27	1.0	ug/l	1	03/23/22	J
Bromomethane	ND	0.50	1.0	ug/l	1	03/23/22	
Carbon Disulfide	**0.34**	0.33	1.0	ug/l	1	03/23/22	J
Carbon tetrachloride	ND	0.28	1.0	ug/l	1	03/23/22	
Chlorobenzene	ND	0.35	1.0	ug/l	1	03/23/22	
Chloroethane	ND	0.38	1.0	ug/l	1	03/23/22	
Chloroform	**5.9**	0.29	1.0	ug/l	1	03/23/22	
Chloromethane	ND	0.29	1.0	ug/l	1	03/23/22	
cis-1,3-Dichloropropene	ND	0.36	1.0	ug/l	1	03/23/22	
Dibromochloromethane	**0.44**	0.35	1.0	ug/l	1	03/23/22	J
Dichlorodifluoromethane (Freon 12)	ND	0.30	1.0	ug/l	1	03/23/22	
Ethylbenzene	ND	0.41	1.0	ug/l	1	03/23/22	
m-Dichlorobenzene	ND	0.39	1.0	ug/l	1	03/23/22	
Methyl tert-butyl ether (MTBE)	ND	0.40	1.0	ug/l	1	03/23/22	
Methylene chloride	ND	0.39	1.0	ug/l	1	03/23/22	
o-Dichlorobenzene	ND	0.35	1.0	ug/l	1	03/23/22	
p-Dichlorobenzene	ND	0.42	1.0	ug/l	1	03/23/22	
Tetrachloroethene	ND	0.34	1.0	ug/l	1	03/23/22	
Toluene	ND	0.36	1.0	ug/l	1	03/23/22	
trans-1,2-Dichloroethene	ND	0.27	1.0	ug/l	1	03/23/22	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Sample Results

(Continued)

Sample: CWRF Effluent 03/22/21
2C22092-02 (Water)

Sampled: 03/22/22 7:11 by Adam Powell

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS (Continued)							
Method: EPA 624.1				**Instr:** GCMS21			
Batch ID: W2C1574 **Preparation:** EPA 5030B				**Prepared:** 03/23/22 08:10			**Analyst:** ADM
trans-1,3-Dichloropropene	ND	0.33	1.0	ug/l	1	03/23/22	
Trichloroethene	ND	0.34	1.0	ug/l	1	03/23/22	
Trichlorofluoromethane	ND	0.43	1.0	ug/l	1	03/23/22	
Vinyl chloride	ND	0.31	1.0	ug/l	1	03/23/22	
Surrogate(s)							
1,2-Dichloroethane-d4	*95%*	*Conc: 47.4*	*82-125*			*03/23/22*	
4-Bromofluorobenzene	*103%*	*Conc: 51.4*	*88-108*			*03/23/22*	
Toluene-d8	*99%*	*Conc: 49.6*	*92-112*			*03/23/22*	

Sample Results

(Continued)

Sample: CWRF Effluent 03/22/21
2C22092-02RE1 (Water)

Sampled: 03/22/22 7:11 by Adam Powell

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS							
Method: EPA 624.1				**Instr:** GCMS21			
Batch ID: W2C1791 **Preparation:** EPA 5030B				**Prepared:** 03/25/22 12:39			**Analyst:** ADM
Acetone	**3.8**	1.6	5.0	ug/l	1	03/25/22	J
Dichlorodifluoromethane (Freon 12)	ND	0.30	1.0	ug/l	1	03/25/22	
Trichlorofluoromethane	ND	0.43	1.0	ug/l	1	03/25/22	
Surrogate(s)							
1,2-Dichloroethane-d4	*98%*	*Conc: 48.8*	*82-125*			*03/25/22*	
4-Bromofluorobenzene	*101%*	*Conc: 50.3*	*88-108*			*03/25/22*	
Toluene-d8	*100%*	*Conc: 50.1*	*92-112*			*03/25/22*	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Sample Results LA Testing - EMSL Analytical, Inc. CA-ELAP #2283, Non-NELAP

Sample: CWRF Effluent 03/21-03/22/21
2C22092-01 (Water)

Sampled: 03/22/22 7:11 by Adam Powell

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
EPA 100.2						
Method: EPA 100.2 **Batch ID:** 322206297 **Prepared:** 03/23/22 14:35 **Analyst:** _SUB						
Asbestos (>10 um)	<1.00	1.00	MFL	1	03/31/22	
Fibers: **Area:** 0.256 **Confidence:** 0.00-3.70						
Asbestos (0.5 to 10 um)	<1.00	1.00	MFL	1	03/31/22	
Fibers: **Area:** 0.256 **Confidence:** -						

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported:
05/05/2022 09:15

Sample Results PACE-MN

(Continued)

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Sample Results PACE-MN (Continued)

Sample: CWRF Effluent 03/21-03/22/21
2C22092-01 (Water)

Sampled: 03/22/22 7:11 by Adam Powell

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Dioxins and Furans by Isotope Dilution HRGC/HRMS						
Method: SW8290	**Batch ID:** 32764	**Prepared:** 03/29/22 13:10				**Analyst:** SMT
1,2,3,4,6,7,8-HpCDD	ND	51	pg/L	1	03/31/22	
1,2,3,4,6,7,8-HpCDF	ND	51	pg/L	1	03/31/22	
1,2,3,4,7,8,9-HpCDF	ND	51	pg/L	1	03/31/22	
1,2,3,4,7,8-HxCDD	ND	51	pg/L	1	03/31/22	
1,2,3,4,7,8-HxCDF	ND	51	pg/L	1	03/31/22	
1,2,3,6,7,8-HxCDD	ND	51	pg/L	1	03/31/22	
1,2,3,6,7,8-HxCDF	ND	51	pg/L	1	03/31/22	
1,2,3,7,8,9-HxCDD	ND	51	pg/L	1	03/31/22	
1,2,3,7,8,9-HxCDF	ND	51	pg/L	1	03/31/22	
1,2,3,7,8-PeCDD	ND	51	pg/L	1	03/31/22	
1,2,3,7,8-PeCDF	ND	51	pg/L	1	03/31/22	
2,3,4,6,7,8-HxCDF	ND	51	pg/L	1	03/31/22	
2,3,4,7,8-PeCDF	ND	51	pg/L	1	03/31/22	
2,3,7,8-TCDD	ND	10	pg/L	1	03/31/22	
2,3,7,8-TCDF	ND	10	pg/L	1	03/31/22	
OCDD	ND	100	pg/L	1	03/31/22	
OCDF	ND	100	pg/L	1	03/31/22	
Total HpCDD	ND	51	pg/L	1	03/31/22	
Total HpCDF	ND	51	pg/L	1	03/31/22	
Total HxCDD	ND	51	pg/L	1	03/31/22	
Total HxCDF	ND	51	pg/L	1	03/31/22	
Total PeCDD	ND	51	pg/L	1	03/31/22	
Total PeCDF	ND	51	pg/L	1	03/31/22	
Total TCDD	ND	10	pg/L	1	03/31/22	
Total TCDF	ND	10	pg/L	1	03/31/22	
Surrogate(s)						
1,2,3,4,6,7,8-HpCDD-13C	*89%*	*40.0-135.0*			*03/31/22*	
1,2,3,4,6,7,8-HpCDF-13C	*82%*	*40.0-135.0*			*03/31/22*	
1,2,3,4,7,8,9-HpCDF-13C	*69%*	*40.0-135.0*			*03/31/22*	
1,2,3,4,7,8-HxCDD-13C	*90%*	*40.0-135.0*			*03/31/22*	
1,2,3,4,7,8-HxCDF-13C	*96%*	*40.0-135.0*			*03/31/22*	
1,2,3,6,7,8-HxCDD-13C	*100%*	*40.0-135.0*			*03/31/22*	
1,2,3,6,7,8-HxCDF-13C	*52%*	*40.0-135.0*			*03/31/22*	
1,2,3,7,8,9-HxCDF-13C	*83%*	*40.0-135.0*			*03/31/22*	
1,2,3,7,8-PeCDD-13C	*118%*	*40.0-135.0*			*03/31/22*	
1,2,3,7,8-PeCDF-13C	*89%*	*40.0-135.0*			*03/31/22*	
2,3,4,6,7,8-HxCDF-13C	*84%*	*40.0-135.0*			*03/31/22*	
2,3,4,7,8-PeCDF-13C	*104%*	*40.0-135.0*			*03/31/22*	

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Sample Results PACE-MN (Continued)

Sample: CWRF Effluent 03/21-03/22/21
2C22092-01 (Water)

Sampled: 03/22/22 7:11 by Adam Powell
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Dioxins and Furans by Isotope Dilution HRGC/HRMS (Continued)						
2,3,7,8-TCDD-13C	*88%*	*40.0-135.0*			*03/31/22*	
2,3,7,8-TCDF-13C	*90%*	*40.0-135.0*			*03/31/22*	
OCDD-13C	*78%*	*40.0-135.0*			*03/31/22*	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

Dioxins and Furans by Isotope Dilution HRGC/HRMS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: 32764 - SW8290										
BLK (BLANK-97697)				**Prepared: 03/29/22 Analyzed: 03/31/22**						
1,2,3,4,6,7,8-HpCDD	ND	50	pg/L							
1,2,3,4,6,7,8-HpCDF	ND	50	pg/L							
1,2,3,4,7,8,9-HpCDF	ND	50	pg/L							
1,2,3,4,7,8-HxCDD	ND	50	pg/L							
1,2,3,4,7,8-HxCDF	ND	50	pg/L							
1,2,3,6,7,8-HxCDD	ND	50	pg/L							
1,2,3,6,7,8-HxCDF	ND	50	pg/L							
1,2,3,7,8,9-HxCDD	ND	50	pg/L							
1,2,3,7,8,9-HxCDF	ND	50	pg/L							
1,2,3,7,8-PeCDD	ND	50	pg/L							
1,2,3,7,8-PeCDF	ND	50	pg/L							
2,3,4,6,7,8-HxCDF	ND	50	pg/L							
2,3,4,7,8-PeCDF	ND	50	pg/L							
2,3,7,8-TCDD	ND	10	pg/L							
2,3,7,8-TCDF	ND	10	pg/L							
OCDD	ND	100	pg/L							
OCDF	ND	100	pg/L							
Total HpCDD	ND	50	pg/L							
Total HpCDF	ND	50	pg/L							
Total HxCDD	ND	50	pg/L							
Total HxCDF	ND	50	pg/L							
Total PeCDD	ND	50	pg/L							
Total PeCDF	ND	50	pg/L							
Total TCDD	ND	10	pg/L							
Total TCDF	ND	10	pg/L							
Surrogate(s)										
1,2,3,4,6,7,8-HpCDD-13C	*1600*		*pg/L*	*2000*		*81*	*40.0-135.0*			
1,2,3,4,6,7,8-HpCDF-13C	*1600*		*pg/L*	*2000*		*82*	*40.0-135.0*			
1,2,3,4,7,8,9-HpCDF-13C	*1100*		*pg/L*	*2000*		*53*	*40.0-135.0*			
1,2,3,4,7,8-HxCDD-13C	*1700*		*pg/L*	*2000*		*83*	*40.0-135.0*			
1,2,3,4,7,8-HxCDF-13C	*1600*		*pg/L*	*2000*		*81*	*40.0-135.0*			
1,2,3,6,7,8-HxCDD-13C	*1800*		*pg/L*	*2000*		*92*	*40.0-135.0*			
1,2,3,6,7,8-HxCDF-13C	*900*		*pg/L*	*2000*		*45*	*40.0-135.0*			
1,2,3,7,8,9-HxCDF-13C	*1300*		*pg/L*	*2000*		*66*	*40.0-135.0*			
1,2,3,7,8-PeCDD-13C	*2000*		*pg/L*	*2000*		*100*	*40.0-135.0*			
1,2,3,7,8-PeCDF-13C	*1700*		*pg/L*	*2000*		*85*	*40.0-135.0*			
2,3,4,6,7,8-HxCDF-13C	*1500*		*pg/L*	*2000*		*77*	*40.0-135.0*			
2,3,4,7,8-PeCDF-13C	*1900*		*pg/L*	*2000*		*95*	*40.0-135.0*			
2,3,7,8-TCDD-13C	*1400*		*pg/L*	*2000*		*69*	*40.0-135.0*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Dioxins and Furans by Isotope Dilution HRGC/HRMS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: 32764 - SW8290 (Continued)										
BLK (BLANK-97697)				**Prepared: 03/29/22 Analyzed: 03/31/22**						
Surrogate(s)										
2,3,7,8-TCDF-13C	*1500*		*pg/L*	*2000*		*75*	*40.0-135.0*			
OCDD-13C	*2600*		*pg/L*	*4000*		*66*	*40.0-135.0*			
BS (LCS-97698)				**Prepared: 03/29/22 Analyzed: 03/31/22**						
1,2,3,4,6,7,8-HpCDD	900	50	pg/L	1000		90	70.0-130.0			
1,2,3,4,6,7,8-HpCDF	970	50	pg/L	1000		97	70.0-130.0			
1,2,3,4,7,8,9-HpCDF	910	50	pg/L	1000		91	70.0-130.0			
1,2,3,4,7,8-HxCDD	990	50	pg/L	1000		99	70.0-130.0			
1,2,3,4,7,8-HxCDF	860	50	pg/L	1000		86	70.0-130.0			
1,2,3,6,7,8-HxCDD	870	50	pg/L	1000		87	70.0-130.0			
1,2,3,6,7,8-HxCDF	870	50	pg/L	1000		87	70.0-130.0			
1,2,3,7,8,9-HxCDD	880	50	pg/L	1000		88	70.0-130.0			
1,2,3,7,8,9-HxCDF	920	50	pg/L	1000		92	70.0-130.0			
1,2,3,7,8-PeCDD	870	50	pg/L	1000		87	70.0-130.0			
1,2,3,7,8-PeCDF	860	50	pg/L	1000		86	70.0-130.0			
2,3,4,6,7,8-HxCDF	960	50	pg/L	1000		96	70.0-130.0			
2,3,4,7,8-PeCDF	850	50	pg/L	1000		85	70.0-130.0			
2,3,7,8-TCDD	200	10	pg/L	200		99	70.0-130.0			
2,3,7,8-TCDF	180	10	pg/L	200		92	70.0-130.0			
OCDD	2200	100	pg/L	2000		110	70.0-130.0			
OCDF	1900	100	pg/L	2000		96	70.0-130.0			
Surrogate(s)										
1,2,3,4,6,7,8-HpCDD-13C	*1600*		*pg/L*	*2000*		*82*	*40.0-135.0*			
1,2,3,4,6,7,8-HpCDF-13C	*1600*		*pg/L*	*2000*		*78*	*40.0-135.0*			
1,2,3,4,7,8,9-HpCDF-13C	*1200*		*pg/L*	*2000*		*59*	*40.0-135.0*			
1,2,3,4,7,8-HxCDD-13C	*1700*		*pg/L*	*2000*		*86*	*40.0-135.0*			
1,2,3,4,7,8-HxCDF-13C	*2000*		*pg/L*	*2000*		*98*	*40.0-135.0*			
1,2,3,6,7,8-HxCDD-13C	*2000*		*pg/L*	*2000*		*101*	*40.0-135.0*			
1,2,3,6,7,8-HxCDF-13C	*930*		*pg/L*	*2000*		*46*	*40.0-135.0*			
1,2,3,7,8,9-HxCDF-13C	*1600*		*pg/L*	*2000*		*79*	*40.0-135.0*			
1,2,3,7,8-PeCDD-13C	*2300*		*pg/L*	*2000*		*113*	*40.0-135.0*			
1,2,3,7,8-PeCDF-13C	*1800*		*pg/L*	*2000*		*91*	*40.0-135.0*			
2,3,4,6,7,8-HxCDF-13C	*1600*		*pg/L*	*2000*		*81*	*40.0-135.0*			
2,3,4,7,8-PeCDF-13C	*2000*		*pg/L*	*2000*		*100*	*40.0-135.0*			
2,3,7,8-TCDD-13C	*1600*		*pg/L*	*2000*		*82*	*40.0-135.0*			
2,3,7,8-TCDF-13C	*1700*		*pg/L*	*2000*		*83*	*40.0-135.0*			
OCDD-13C	*2700*		*pg/L*	*4000*		*67*	*40.0-135.0*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1684 - EPA 625.1											
Blank (W2C1684-BLK1)					**Prepared: 03/24/22 Analyzed: 04/01/22**						
1,2,4-Trichlorobenzene	ND	0.49	1.0	ug/l							
1,2-Dichlorobenzene	ND	0.46	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	0.30	1.0	ug/l							
1,3-Dichlorobenzene	ND	0.42	1.0	ug/l							
1,4-Dichlorobenzene	ND	0.48	1.0	ug/l							
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l							
2,4-Dichlorophenol	ND	0.26	1.0	ug/l							
2,4-Dimethylphenol	ND	0.76	1.0	ug/l							
2,4-Dinitrophenol	ND	1.9	10	ug/l							
2,4-Dinitrotoluene	ND	0.46	1.0	ug/l							
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l							
2-Chloronaphthalene	ND	0.45	1.0	ug/l							
2-Chlorophenol	ND	0.28	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	0.50	5.0	ug/l							
2-Nitrophenol	ND	0.26	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l							
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l							
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l							
4-Nitrophenol	ND	1.2	5.0	ug/l							
Acenaphthene	ND	0.38	1.0	ug/l							
Acenaphthylene	ND	0.35	1.0	ug/l							
Anthracene	ND	0.41	1.0	ug/l							
Benzidine	ND	3.2	10	ug/l							
Benzo (a) anthracene	ND	0.19	1.0	ug/l							
Benzo (a) pyrene	ND	0.39	1.0	ug/l							
Benzo (b) fluoranthene	ND	0.46	1.0	ug/l							
Benzo (g,h,i) perylene	ND	0.42	2.0	ug/l							
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	ug/l							
Butyl benzyl phthalate	ND	0.49	1.0	ug/l							
Chrysene	ND	0.19	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	0.15	2.0	ug/l							
Diethyl phthalate	ND	0.35	1.0	ug/l							
Dimethyl phthalate	ND	0.18	1.0	ug/l							
Di-n-butyl phthalate	ND	0.34	1.0	ug/l							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1684 - EPA 625.1 (Continued)											
Blank (W2C1684-BLK1)					**Prepared: 03/24/22 Analyzed: 04/01/22**						
Di-n-octyl phthalate	ND	0.46	1.0	ug/l							
Fluoranthene	ND	0.35	1.0	ug/l							
Fluorene	ND	0.35	1.0	ug/l							
Hexachlorobenzene	ND	0.49	1.0	ug/l							
Hexachlorobutadiene	ND	0.47	1.0	ug/l							
Hexachlorocyclopentadiene	ND	0.31	5.0	ug/l							
Hexachloroethane	ND	0.50	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	0.25	2.0	ug/l							
Isophorone	ND	0.21	1.0	ug/l							
Naphthalene	ND	0.49	1.0	ug/l							
Nitrobenzene	ND	0.36	1.0	ug/l							
N-Nitrosodimethylamine	ND	0.50	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l							
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l							
Pentachlorophenol	ND	0.40	1.0	ug/l							
Phenanthrene	ND	0.32	1.0	ug/l							
Phenol	ND	0.81	1.0	ug/l							
Pyrene	ND	0.25	1.0	ug/l							
Surrogate(s)											
2,4,6-Tribromophenol	*29.6*			*ug/l*	*40.0*		*74*	*25-120*			
2-Fluorobiphenyl	*15.2*			*ug/l*	*20.0*		*76*	*22-120*			
2-Fluorophenol	*20.5*			*ug/l*	*40.0*		*51*	*17-120*			
Nitrobenzene-d5	*14.7*			*ug/l*	*20.0*		*73*	*47-120*			
Phenol-d5	*13.2*			*ug/l*	*40.0*		*33*	*12-120*			
Terphenyl-d14	*24.5*			*ug/l*	*20.0*		*122*	*44-129*			
LCS (W2C1684-BS1)					**Prepared: 03/24/22 Analyzed: 04/01/22**						
1,2,4-Trichlorobenzene	17.1	0.49	1.0	ug/l	20.0		85	57-130			
1,2-Dichlorobenzene	15.5	0.46	1.0	ug/l	20.0		78	57-120			
1,3-Dichlorobenzene	15.4	0.42	1.0	ug/l	20.0		77	55-120			
1,4-Dichlorobenzene	16.6	0.48	1.0	ug/l	20.0		83	55-120			
2,4,6-Trichlorophenol	17.6	0.22	1.0	ug/l	20.0		88	52-129			
2,4-Dichlorophenol	19.5	0.26	1.0	ug/l	20.0		97	53-122			
2,4-Dimethylphenol	16.5	0.76	1.0	ug/l	20.0		83	42-120			
2,4-Dinitrophenol	26.7	1.9	10	ug/l	20.0		134	0.1-173			
2,4-Dinitrotoluene	21.8	0.46	1.0	ug/l	20.0		109	48-127			
2,6-Dinitrotoluene	16.8	0.27	1.0	ug/l	20.0		84	68-137			
2-Chloronaphthalene	17.9	0.45	1.0	ug/l	20.0		90	65-120			
2-Chlorophenol	17.1	0.28	1.0	ug/l	20.0		85	36-120			
2-Methyl-4,6-dinitrophenol	22.8	0.50	5.0	ug/l	20.0		114	53-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1684 - EPA 625.1 (Continued)											
LCS (W2C1684-BS1)					**Prepared: 03/24/22 Analyzed: 04/01/22**						
2-Nitrophenol	19.0	0.26	1.0	ug/l	20.0		95	45-167			
3,3'-Dichlorobenzidine	13.1	2.5	5.0	ug/l	20.0		66	8-213			
4-Bromophenyl phenyl ether	19.2	0.36	1.0	ug/l	20.0		96	65-120			
4-Chloro-3-methylphenol	17.7	0.23	1.0	ug/l	20.0		89	41-128			
4-Chlorophenyl phenyl ether	17.0	0.41	1.0	ug/l	20.0		85	38-145			
4-Nitrophenol	8.59	1.2	5.0	ug/l	20.0		43	13-129			
Acenaphthene	19.1	0.38	1.0	ug/l	20.0		96	60-132			
Acenaphthylene	20.3	0.35	1.0	ug/l	20.0		101	54-126			
Anthracene	19.0	0.41	1.0	ug/l	20.0		95	43-120			
Benzo (a) anthracene	18.5	0.19	1.0	ug/l	20.0		92	42-133			
Benzo (a) pyrene	18.4	0.39	1.0	ug/l	20.0		92	32-148			
Benzo (b) fluoranthene	18.2	0.46	1.0	ug/l	20.0		91	42-140			AN-IP
Benzo (g,h,i) perylene	17.2	0.42	2.0	ug/l	20.0		86	0.1-195			
Benzo (k) fluoranthene	19.2	0.22	1.0	ug/l	20.0		96	25-146			AN-IP
Bis(2-chloroethoxy)methane	18.5	0.25	1.0	ug/l	20.0		92	49-165			
Bis(2-chloroethyl)ether	16.7	0.27	1.0	ug/l	20.0		84	43-126			
Bis(2-chloroisopropyl)ether	17.1	0.38	1.0	ug/l	20.0		85	63-139			
Bis(2-ethylhexyl)phthalate	18.9	2.3	5.0	ug/l	20.0		94	29-137			
Butyl benzyl phthalate	20.1	0.49	1.0	ug/l	20.0		100	0.1-140			
Chrysene	19.1	0.19	1.0	ug/l	20.0		95	44-140			
Dibenzo (a,h) anthracene	18.2	0.15	2.0	ug/l	20.0		91	0.1-200			
Diethyl phthalate	17.9	0.35	1.0	ug/l	20.0		89	0.1-120			
Dimethyl phthalate	16.2	0.18	1.0	ug/l	20.0		81	0.1-120			
Di-n-butyl phthalate	18.0	0.34	1.0	ug/l	20.0		90	8-120			
Di-n-octyl phthalate	20.6	0.46	1.0	ug/l	20.0		103	19-132			
Fluoranthene	18.9	0.35	1.0	ug/l	20.0		94	43-121			
Fluorene	19.2	0.35	1.0	ug/l	20.0		96	70-120			
Hexachlorobenzene	18.7	0.49	1.0	ug/l	20.0		93	8-142			
Hexachlorobutadiene	17.3	0.47	1.0	ug/l	20.0		87	38-120			
Hexachlorocyclopentadiene	10.1	0.31	5.0	ug/l	20.0		50	10-120			
Hexachloroethane	17.0	0.50	1.0	ug/l	20.0		85	55-120			
Indeno (1,2,3-cd) pyrene	18.3	0.25	2.0	ug/l	20.0		92	0.1-151			
Isophorone	16.1	0.21	1.0	ug/l	20.0		81	47-180			
Naphthalene	17.7	0.49	1.0	ug/l	20.0		89	36-120			
Nitrobenzene	18.0	0.36	1.0	ug/l	20.0		90	54-158			
N-Nitrosodimethylamine	11.1	0.50	1.0	ug/l	20.0		55	22-120			
N-Nitrosodi-n-propylamine	18.5	0.26	1.0	ug/l	20.0		93	14-198			
N-Nitrosodiphenylamine	15.8	0.19	1.0	ug/l	20.0		79	47-120			
Pentachlorophenol	21.1	0.40	1.0	ug/l	20.0		105	41-120			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1684 - EPA 625.1 (Continued)											
LCS (W2C1684-BS1)					**Prepared: 03/24/22 Analyzed: 04/01/22**						
Phenanthrene	19.0	0.32	1.0	ug/l	20.0		95	65-120			
Phenol	7.64	0.81	1.0	ug/l	20.0		38	17-120			
Pyrene	18.9	0.25	1.0	ug/l	20.0		95	70-120			
Surrogate(s)											
2,4,6-Tribromophenol	*37.3*			*ug/l*	*40.0*		*93*	*25-120*			
2-Fluorobiphenyl	*18.0*			*ug/l*	*20.0*		*90*	*22-120*			
2-Fluorophenol	*22.0*			*ug/l*	*40.0*		*55*	*17-120*			
Nitrobenzene-d5	*18.8*			*ug/l*	*20.0*		*94*	*47-120*			
Phenol-d5	*14.8*			*ug/l*	*40.0*		*37*	*12-120*			
Terphenyl-d14	*22.3*			*ug/l*	*20.0*		*112*	*44-129*			
LCS Dup (W2C1684-BSD1)					**Prepared: 03/24/22 Analyzed: 04/01/22**						
1,2,4-Trichlorobenzene	16.6	0.49	1.0	ug/l	20.0		83	57-130	3	30	
1,2-Dichlorobenzene	15.5	0.46	1.0	ug/l	20.0		78	57-120	0.1	30	
1,3-Dichlorobenzene	15.3	0.42	1.0	ug/l	20.0		76	55-120	0.7	30	
1,4-Dichlorobenzene	16.5	0.48	1.0	ug/l	20.0		82	55-120	0.6	30	
2,4,6-Trichlorophenol	18.1	0.22	1.0	ug/l	20.0		91	52-129	3	30	
2,4-Dichlorophenol	18.9	0.26	1.0	ug/l	20.0		95	53-122	3	30	
2,4-Dimethylphenol	16.9	0.76	1.0	ug/l	20.0		84	42-120	2	30	
2,4-Dinitrophenol	26.1	1.9	10	ug/l	20.0		130	0.1-173	2	30	
2,4-Dinitrotoluene	20.7	0.46	1.0	ug/l	20.0		103	48-127	5	30	
2,6-Dinitrotoluene	16.9	0.27	1.0	ug/l	20.0		85	68-137	1	30	
2-Chloronaphthalene	18.0	0.45	1.0	ug/l	20.0		90	65-120	0.5	30	
2-Chlorophenol	17.1	0.28	1.0	ug/l	20.0		86	36-120	0.5	30	
2-Methyl-4,6-dinitrophenol	22.0	0.50	5.0	ug/l	20.0		110	53-130	3	30	
2-Nitrophenol	18.5	0.26	1.0	ug/l	20.0		93	45-167	3	30	
3,3'-Dichlorobenzidine	14.5	2.5	5.0	ug/l	20.0		72	8-213	10	30	
4-Bromophenyl phenyl ether	18.7	0.36	1.0	ug/l	20.0		93	65-120	3	30	
4-Chloro-3-methylphenol	18.2	0.23	1.0	ug/l	20.0		91	41-128	2	30	
4-Chlorophenyl phenyl ether	15.1	0.41	1.0	ug/l	20.0		75	38-145	12	30	
4-Nitrophenol	8.27	1.2	5.0	ug/l	20.0		41	13-129	4	30	
Acenaphthene	18.7	0.38	1.0	ug/l	20.0		94	60-132	2	30	
Acenaphthylene	21.1	0.35	1.0	ug/l	20.0		106	54-126	4	30	
Anthracene	19.0	0.41	1.0	ug/l	20.0		95	43-120	0.3	30	
Benzo (a) anthracene	19.6	0.19	1.0	ug/l	20.0		98	42-133	6	30	
Benzo (a) pyrene	18.7	0.39	1.0	ug/l	20.0		94	32-148	2	30	
Benzo (b) fluoranthene	19.3	0.46	1.0	ug/l	20.0		97	42-140	6	30	AN-IP
Benzo (g,h,i) perylene	17.9	0.42	2.0	ug/l	20.0		90	0.1-195	4	30	
Benzo (k) fluoranthene	19.2	0.22	1.0	ug/l	20.0		96	25-146	0.06	30	AN-IP
Bis(2-chloroethoxy)methane	18.2	0.25	1.0	ug/l	20.0		91	49-165	1	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1684 - EPA 625.1 (Continued)											
LCS Dup (W2C1684-BSD1)					**Prepared: 03/24/22**	**Analyzed: 04/01/22**					
Bis(2-chloroethyl)ether	17.0	0.27	1.0	ug/l	20.0		85	43-126	1	30	
Bis(2-chloroisopropyl)ether	17.9	0.38	1.0	ug/l	20.0		90	63-139	5	30	
Bis(2-ethylhexyl)phthalate	19.3	2.3	5.0	ug/l	20.0		96	29-137	2	30	
Butyl benzyl phthalate	21.1	0.49	1.0	ug/l	20.0		105	0.1-140	5	30	
Chrysene	18.9	0.19	1.0	ug/l	20.0		94	44-140	1	30	
Dibenzo (a,h) anthracene	18.8	0.15	2.0	ug/l	20.0		94	0.1-200	3	30	
Diethyl phthalate	17.7	0.35	1.0	ug/l	20.0		89	0.1-120	0.9	30	
Dimethyl phthalate	10.9	0.18	1.0	ug/l	20.0		54	0.1-120	39	30	Q-12
Di-n-butyl phthalate	18.3	0.34	1.0	ug/l	20.0		92	8-120	2	30	
Di-n-octyl phthalate	19.9	0.46	1.0	ug/l	20.0		100	19-132	3	30	
Fluoranthene	19.0	0.35	1.0	ug/l	20.0		95	43-121	0.7	30	
Fluorene	18.8	0.35	1.0	ug/l	20.0		94	70-120	2	30	
Hexachlorobenzene	18.3	0.49	1.0	ug/l	20.0		92	8-142	2	30	
Hexachlorobutadiene	17.6	0.47	1.0	ug/l	20.0		88	38-120	1	30	
Hexachlorocyclopentadiene	10.3	0.31	5.0	ug/l	20.0		52	10-120	2	30	
Hexachloroethane	16.5	0.50	1.0	ug/l	20.0		82	55-120	3	30	
Indeno (1,2,3-cd) pyrene	19.1	0.25	2.0	ug/l	20.0		96	0.1-151	4	30	
Isophorone	15.6	0.21	1.0	ug/l	20.0		78	47-180	4	30	
Naphthalene	18.0	0.49	1.0	ug/l	20.0		90	36-120	2	30	
Nitrobenzene	17.9	0.36	1.0	ug/l	20.0		89	54-158	0.9	30	
N-Nitrosodimethylamine	11.8	0.50	1.0	ug/l	20.0		59	22-120	7	30	
N-Nitrosodi-n-propylamine	18.0	0.26	1.0	ug/l	20.0		90	14-198	3	30	
N-Nitrosodiphenylamine	15.9	0.19	1.0	ug/l	20.0		79	47-120	0.6	30	
Pentachlorophenol	19.5	0.40	1.0	ug/l	20.0		97	41-120	8	30	
Phenanthrene	19.4	0.32	1.0	ug/l	20.0		97	65-120	2	30	
Phenol	7.95	0.81	1.0	ug/l	20.0		40	17-120	4	30	
Pyrene	19.3	0.25	1.0	ug/l	20.0		96	70-120	2	30	
Surrogate(s)											
2,4,6-Tribromophenol	*35.3*			*ug/l*	*40.0*		*88*	*25-120*			
2-Fluorobiphenyl	*17.6*			*ug/l*	*20.0*		*88*	*22-120*			
2-Fluorophenol	*22.2*			*ug/l*	*40.0*		*56*	*17-120*			
Nitrobenzene-d5	*17.7*			*ug/l*	*20.0*		*88*	*47-120*			
Phenol-d5	*14.6*			*ug/l*	*40.0*		*37*	*12-120*			
Terphenyl-d14	*22.7*			*ug/l*	*20.0*		*114*	*44-129*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1576 - EPA 608.3											
Blank (W2C1576-BLK1)					**Prepared: 03/23/22 Analyzed: 03/31/22**						
4,4´-DDD	ND	0.00070	0.050	ug/l							
4,4´-DDE	ND	0.00070	0.050	ug/l							
4,4´-DDT	ND	0.0011	0.010	ug/l							
Aldrin	ND	0.0010	0.0050	ug/l							
alpha-BHC	ND	0.0011	0.010	ug/l							
Aroclor 1016	ND	0.029	0.50	ug/l							
Aroclor 1221	ND	0.060	0.50	ug/l							
Aroclor 1232	ND	0.10	0.50	ug/l							
Aroclor 1242	ND	0.070	0.50	ug/l							
Aroclor 1248	ND	0.060	0.50	ug/l							
Aroclor 1254	ND	0.040	0.50	ug/l							
Aroclor 1260	ND	0.055	0.50	ug/l							
beta-BHC	ND	0.0015	0.0050	ug/l							
Chlordane (tech)	ND	0.043	0.10	ug/l							
delta-BHC	ND	0.0019	0.0050	ug/l							
Dieldrin	ND	0.00080	0.010	ug/l							
Endosulfan I	ND	0.00090	0.020	ug/l							
Endosulfan II	ND	0.00070	0.010	ug/l							
Endosulfan sulfate	ND	0.0013	0.050	ug/l							
Endrin	ND	0.0017	0.010	ug/l							
Endrin aldehyde	ND	0.0019	0.010	ug/l							
gamma-BHC (Lindane)	ND	0.00040	0.020	ug/l							
Heptachlor	ND	0.00060	0.010	ug/l							
Heptachlor epoxide	ND	0.00040	0.010	ug/l							
Mirex	ND	0.0012	0.010	ug/l							
Toxaphene	ND	0.085	0.50	ug/l							
Surrogate(s)											
Decachlorobiphenyl	*0.104*			*ug/l*	*0.100*		*104*	*33-133*			
Tetrachloro-meta-xylene	*0.0736*			*ug/l*	*0.100*		*74*	*32-130*			
LCS (W2C1576-BS1)					**Prepared: 03/23/22 Analyzed: 03/31/22**						
4,4´-DDD	0.0989	0.00070	0.050	ug/l	0.100		99	48-130			
4,4´-DDE	0.0925	0.00070	0.050	ug/l	0.100		93	54-130			
4,4´-DDT	0.107	0.0011	0.010	ug/l	0.100		107	46-137			
Aldrin	0.0800	0.0010	0.0050	ug/l	0.100		80	54-130			
alpha-BHC	0.0930	0.0011	0.010	ug/l	0.100		93	49-130			
beta-BHC	0.0958	0.0015	0.0050	ug/l	0.100		96	39-130			
delta-BHC	0.0789	0.0019	0.0050	ug/l	0.100		79	51-130			
Dieldrin	0.0877	0.00080	0.010	ug/l	0.100		88	58-130			
Endosulfan I	0.0911	0.00090	0.020	ug/l	0.100		91	57-141			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1576 - EPA 608.3 (Continued)											
LCS (W2C1576-BS1)					**Prepared: 03/23/22 Analyzed: 03/31/22**						
Endosulfan II	0.0995	0.00070	0.010	ug/l	0.100		100	22-171			
Endosulfan sulfate	0.107	0.0013	0.050	ug/l	0.100		107	38-132			
Endrin	0.109	0.0017	0.010	ug/l	0.100		109	51-130			
Endrin aldehyde	0.0722	0.0019	0.010	ug/l	0.100		72	18-130			
gamma-BHC (Lindane)	0.0905	0.00040	0.020	ug/l	0.100		91	43-130			
Heptachlor	0.0928	0.00060	0.010	ug/l	0.100		93	43-130			
Heptachlor epoxide	0.0958	0.00040	0.010	ug/l	0.100		96	57-132			
Surrogate(s)											
Decachlorobiphenyl	*0.106*			*ug/l*	*0.100*		*106*	*33-133*			
Tetrachloro-meta-xylene	*0.0778*			*ug/l*	*0.100*		*78*	*32-130*			
LCS Dup (W2C1576-BSD1)					**Prepared: 03/23/22 Analyzed: 03/31/22**						
4,4´-DDD	0.0935	0.00070	0.050	ug/l	0.100		93	48-130	6	30	
4,4´-DDE	0.0755	0.00070	0.050	ug/l	0.100		75	54-130	20	30	
4,4´-DDT	0.104	0.0011	0.010	ug/l	0.100		104	46-137	2	30	
Aldrin	0.0746	0.0010	0.0050	ug/l	0.100		75	54-130	7	30	
alpha-BHC	0.0792	0.0011	0.010	ug/l	0.100		79	49-130	16	30	
beta-BHC	0.0877	0.0015	0.0050	ug/l	0.100		88	39-130	9	30	
delta-BHC	0.0735	0.0019	0.0050	ug/l	0.100		73	51-130	7	30	
Dieldrin	0.0734	0.00080	0.010	ug/l	0.100		73	58-130	18	30	
Endosulfan I	0.0749	0.00090	0.020	ug/l	0.100		75	57-141	19	30	
Endosulfan II	0.0948	0.00070	0.010	ug/l	0.100		95	22-171	5	30	
Endosulfan sulfate	0.101	0.0013	0.050	ug/l	0.100		101	38-132	5	30	
Endrin	0.0952	0.0017	0.010	ug/l	0.100		95	51-130	13	30	
Endrin aldehyde	0.0806	0.0019	0.010	ug/l	0.100		81	18-130	11	30	
gamma-BHC (Lindane)	0.0839	0.00040	0.020	ug/l	0.100		84	43-130	8	30	
Heptachlor	0.0854	0.00060	0.010	ug/l	0.100		85	43-130	8	30	
Heptachlor epoxide	0.0840	0.00040	0.010	ug/l	0.100		84	57-132	13	30	
Surrogate(s)											
Decachlorobiphenyl	*0.100*			*ug/l*	*0.100*		*100*	*33-133*			
Tetrachloro-meta-xylene	*0.0672*			*ug/l*	*0.100*		*67*	*32-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results (Continued)

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1746 - EPA 335.4											
Blank (W2C1746-BLK1)					**Prepared: 03/24/22 Analyzed: 03/26/22**						
Cyanide, Total	ND	3.8	5.0	ug/l							
LCS (W2C1746-BS1)					**Prepared: 03/24/22 Analyzed: 03/26/22**						
Cyanide, Total	99.2	3.8	5.0	ug/l	100		99	90-110			
Matrix Spike (W2C1746-MS1)	**Source: 2C22031-02**				**Prepared: 03/24/22 Analyzed: 03/26/22**						
Cyanide, Total	202	3.8	5.0	ug/l	200	ND	101	90-110			
Matrix Spike Dup (W2C1746-MSD1)	**Source: 2C22031-02**				**Prepared: 03/24/22 Analyzed: 03/26/22**						
Cyanide, Total	200	3.8	5.0	ug/l	200	ND	100	90-110	1	20	

Quality Control Results (Continued)

Metals by EPA 200 Series Methods

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1545 - EPA 245.1											
Blank (W2C1545-BLK1)					**Prepared: 03/22/22 Analyzed: 03/24/22**						
Mercury, Total	ND	0.017	0.050	ug/l							
LCS (W2C1545-BS1)					**Prepared: 03/22/22 Analyzed: 03/24/22**						
Mercury, Total	0.957	0.017	0.050	ug/l	1.00		96	85-115			
Matrix Spike (W2C1545-MS1)	**Source: 2C02126-01**				**Prepared: 03/22/22 Analyzed: 03/24/22**						
Mercury, Total	1.00	0.017	0.050	ug/l	1.00	ND	100	70-130			
Matrix Spike (W2C1545-MS2)	**Source: 2C02126-06**				**Prepared: 03/22/22 Analyzed: 03/24/22**						
Mercury, Total	0.977	0.017	0.050	ug/l	1.00	ND	98	70-130			
Matrix Spike Dup (W2C1545-MSD1)	**Source: 2C02126-01**				**Prepared: 03/22/22 Analyzed: 03/24/22**						
Mercury, Total	0.981	0.017	0.050	ug/l	1.00	ND	98	70-130	2	20	
Matrix Spike Dup (W2C1545-MSD2)	**Source: 2C02126-06**				**Prepared: 03/22/22 Analyzed: 03/24/22**						
Mercury, Total	0.946	0.017	0.050	ug/l	1.00	ND	95	70-130	3	20	
Batch: W2C1630 - EPA 200.7											
Blank (W2C1630-BLK1)					**Prepared: 03/23/22 Analyzed: 04/06/22**						
Aluminum, Total	ND	0.041	0.050	mg/l							
Barium, Total	ND	0.00020	0.0020	mg/l							
LCS (W2C1630-BS1)					**Prepared: 03/23/22 Analyzed: 04/06/22**						
Aluminum, Total	0.264	0.041	0.050	mg/l	0.200		132	85-115			Q-08
Barium, Total	0.196	0.00020	0.0020	mg/l	0.200		98	85-115			
Matrix Spike (W2C1630-MS1)	**Source: 2C22092-01**				**Prepared: 03/23/22 Analyzed: 04/06/22**						
Aluminum, Total	0.291	0.041	0.050	mg/l	0.200	ND	145	70-130			MS-01
Barium, Total	0.216	0.00020	0.0020	mg/l	0.200	0.0156	100	70-130			
Matrix Spike Dup (W2C1630-MSD1)	**Source: 2C22092-01**				**Prepared: 03/23/22 Analyzed: 04/06/22**						
Aluminum, Total	0.277	0.041	0.050	mg/l	0.200	ND	138	70-130	5	30	MS-01
Barium, Total	0.215	0.00020	0.0020	mg/l	0.200	0.0156	100	70-130	0.7	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Perchlorate by EPA 314.0

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1771 - EPA 314.0											
Blank (W2C1771-BLK1)					**Prepared & Analyzed: 03/25/22**						
Perchlorate	ND	0.39	2.0	ug/l							
LCS (W2C1771-BS1)					**Prepared & Analyzed: 03/25/22**						
Perchlorate	8.52	0.39	2.0	ug/l	10.0		85	85-115			
Matrix Spike (W2C1771-MS1)	**Source: 2C14010-01**				**Prepared & Analyzed: 03/25/22**						
Perchlorate	8.60	0.39	2.0	ug/l	10.0	ND	86	80-120			
Matrix Spike Dup (W2C1771-MSD1)	**Source: 2C14010-01**				**Prepared & Analyzed: 03/25/22**						
Perchlorate	9.53	0.39	2.0	ug/l	10.0	ND	95	80-120	10	15	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1574 - EPA 624.1											
Blank (W2C1574-BLK1)					**Prepared & Analyzed: 03/23/22**						
1,1,1-Trichloroethane	ND	0.31	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.38	1.0	ug/l							
1,1,2-Trichloroethane	ND	0.42	1.0	ug/l							
1,1-Dichloroethane	ND	0.32	1.0	ug/l							
1,1-Dichloroethene	ND	0.32	1.0	ug/l							
1,2-Dichloroethane	ND	0.54	1.0	ug/l							
1,2-Dichloropropane	ND	0.42	1.0	ug/l							
2-Butanone	ND	2.0	5.0	ug/l							
2-Chloroethyl vinyl ether	ND	0.19	1.0	ug/l							
2-Hexanone	ND	0.46	5.0	ug/l							
4-Methyl-2-pentanone	ND	0.59	5.0	ug/l							
Acetone	ND	1.6	5.0	ug/l							
Acrolein	ND	1.2	5.0	ug/l							
Acrylonitrile	ND	0.63	2.0	ug/l							
Benzene	ND	0.47	1.0	ug/l							
Bromodichloromethane	ND	0.44	1.0	ug/l							
Bromoform	ND	0.27	1.0	ug/l							
Bromomethane	ND	0.50	1.0	ug/l							
Carbon Disulfide	ND	0.33	1.0	ug/l							
Carbon tetrachloride	ND	0.28	1.0	ug/l							
Chlorobenzene	ND	0.35	1.0	ug/l							
Chloroethane	ND	0.38	1.0	ug/l							
Chloroform	ND	0.29	1.0	ug/l							
Chloromethane	ND	0.29	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.36	1.0	ug/l							
Dibromochloromethane	ND	0.35	1.0	ug/l							
Dichlorodifluoromethane (Freon 12)	ND	0.30	1.0	ug/l							
Ethylbenzene	ND	0.41	1.0	ug/l							
m-Dichlorobenzene	ND	0.39	1.0	ug/l							
Methyl tert-butyl ether (MTBE)	ND	0.40	1.0	ug/l							
Methylene chloride	ND	0.39	1.0	ug/l							
o-Dichlorobenzene	ND	0.35	1.0	ug/l							
p-Dichlorobenzene	ND	0.42	1.0	ug/l							
Tetrachloroethene	ND	0.34	1.0	ug/l							
Toluene	ND	0.36	1.0	ug/l							
trans-1,2-Dichloroethene	ND	0.27	1.0	ug/l							
trans-1,3-Dichloropropene	ND	0.33	1.0	ug/l							
Trichloroethene	ND	0.34	1.0	ug/l							
Trichlorofluoromethane	ND	0.43	1.0	ug/l							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1574 - EPA 624.1 (Continued)											
Blank (W2C1574-BLK1)					**Prepared & Analyzed: 03/23/22**						
Vinyl chloride	ND	0.31	1.0	ug/l							
Surrogate(s)											
1,2-Dichloroethane-d4	*48.8*			*ug/l*	*50.0*		*98*	*82-125*			
4-Bromofluorobenzene	*51.6*			*ug/l*	*50.0*		*103*	*88-108*			
Toluene-d8	*50.4*			*ug/l*	*50.0*		*101*	*92-112*			
LCS (W2C1574-BS1)					**Prepared & Analyzed: 03/23/22**						
1,1,1-Trichloroethane	47.0	0.31	1.0	ug/l	50.0		94	52-162			
1,1,2,2-Tetrachloroethane	42.3	0.38	1.0	ug/l	50.0		85	46-157			
1,1,2-Trichloroethane	49.5	0.42	1.0	ug/l	50.0		99	52-150			
1,1-Dichloroethane	44.3	0.32	1.0	ug/l	50.0		89	59-155			
1,1-Dichloroethene	45.6	0.32	1.0	ug/l	50.0		91	0.1-234			
1,2-Dichloroethane	43.3	0.54	1.0	ug/l	50.0		87	49-155			
1,2-Dichloropropane	47.9	0.42	1.0	ug/l	50.0		96	0.1-210			
2-Butanone	39.3	2.0	5.0	ug/l	50.0		79	67-136			
2-Chloroethyl vinyl ether	46.5	0.19	1.0	ug/l	50.0		93	0.1-305			
2-Hexanone	52.6	0.46	5.0	ug/l	50.0		105	76-133			
4-Methyl-2-pentanone	48.8	0.59	5.0	ug/l	50.0		98	74-132			
Acetone	473	1.6	5.0	ug/l	500		95	60-147			
Acrolein	89.2	1.2	5.0	ug/l	50.0		178	49-152			Q-08
Acrylonitrile	42.8	0.63	2.0	ug/l	50.0		86	74-127			
Benzene	47.3	0.47	1.0	ug/l	50.0		95	37-151			
Bromodichloromethane	52.1	0.44	1.0	ug/l	50.0		104	35-155			
Bromoform	53.0	0.27	1.0	ug/l	50.0		106	45-169			
Bromomethane	44.6	0.50	1.0	ug/l	50.0		89	0.1-242			
Carbon Disulfide	50.9	0.33	1.0	ug/l	50.0		102	79-118			
Carbon tetrachloride	50.3	0.28	1.0	ug/l	50.0		101	70-140			
Chlorobenzene	45.7	0.35	1.0	ug/l	50.0		91	37-160			
Chloroethane	42.8	0.38	1.0	ug/l	50.0		86	14-230			
Chloroform	46.1	0.29	1.0	ug/l	50.0		92	51-138			
Chloromethane	44.6	0.29	1.0	ug/l	50.0		89	0.1-273			
cis-1,2-Dichloroethene	42.6	0.38	1.0	ug/l	50.0		85	85-121			
cis-1,3-Dichloropropene	51.3	0.36	1.0	ug/l	50.0		103	0.1-227			
Dibromochloromethane	58.3	0.35	1.0	ug/l	50.0		117	53-149			
Dichlorodifluoromethane (Freon 12)	42.4	0.30	1.0	ug/l	50.0		85	67-126			
Ethylbenzene	46.3	0.41	1.0	ug/l	50.0		93	37-162			
m,p-Xylene	46.5	0.29	1.0	ug/l	50.0		93	81-121			
m-Dichlorobenzene	49.0	0.39	1.0	ug/l	50.0		98	59-156			
Methyl tert-butyl ether (MTBE)	184	0.40	1.0	ug/l	200		92	80-128			
Methylene chloride	43.6	0.39	1.0	ug/l	50.0		87	0.1-221			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1574 - EPA 624.1 (Continued)											
LCS (W2C1574-BS1)					**Prepared & Analyzed: 03/23/22**						
o-Dichlorobenzene	42.3	0.35	1.0	ug/l	50.0		85	18-190			
o-Xylene	47.0	0.29	1.0	ug/l	50.0		94	84-121			
p-Dichlorobenzene	42.2	0.42	1.0	ug/l	50.0		84	18-190			
Tert-butyl alcohol	172	2.1	5.0	ug/l	200		86	53-144			
Tetrachloroethene	47.8	0.34	1.0	ug/l	50.0		96	64-148			
Toluene	48.4	0.36	1.0	ug/l	50.0		97	47-150			
trans-1,2-Dichloroethene	43.5	0.27	1.0	ug/l	50.0		87	54-156			
trans-1,3-Dichloropropene	52.5	0.33	1.0	ug/l	50.0		105	17-183			
Trichloroethene	46.0	0.34	1.0	ug/l	50.0		92	71-157			
Trichlorofluoromethane	46.6	0.43	1.0	ug/l	50.0		93	17-181			
Vinyl chloride	44.6	0.31	1.0	ug/l	50.0		89	0.1-251			
Surrogate(s)											
1,2-Dichloroethane-d4	*47.6*			*ug/l*	*50.0*		*95*	*82-125*			
4-Bromofluorobenzene	*50.4*			*ug/l*	*50.0*		*101*	*88-108*			
Toluene-d8	*52.0*			*ug/l*	*50.0*		*104*	*92-112*			
LCS Dup (W2C1574-BSD1)					**Prepared & Analyzed: 03/23/22**						
1,1,1-Trichloroethane	48.8	0.31	1.0	ug/l	50.0		98	52-162	4	25	
1,1,2,2-Tetrachloroethane	45.8	0.38	1.0	ug/l	50.0		92	46-157	8	25	
1,1,2-Trichloroethane	52.5	0.42	1.0	ug/l	50.0		105	52-150	6	25	
1,1-Dichloroethane	46.8	0.32	1.0	ug/l	50.0		94	59-155	6	25	
1,1-Dichloroethene	46.8	0.32	1.0	ug/l	50.0		94	0.1-234	3	25	
1,2-Dichloroethane	45.4	0.54	1.0	ug/l	50.0		91	49-155	5	25	
1,2-Dichloropropane	49.4	0.42	1.0	ug/l	50.0		99	0.1-210	3	25	
2-Butanone	42.5	2.0	5.0	ug/l	50.0		85	67-136	8	25	
2-Chloroethyl vinyl ether	48.9	0.19	1.0	ug/l	50.0		98	0.1-305	5	25	
2-Hexanone	57.0	0.46	5.0	ug/l	50.0		114	76-133	8	25	
4-Methyl-2-pentanone	52.5	0.59	5.0	ug/l	50.0		105	74-132	7	25	
Acetone	503	1.6	5.0	ug/l	500		101	60-147	6	25	
Acrolein	98.1	1.2	5.0	ug/l	50.0		196	49-152	9	25	Q-08
Acrylonitrile	46.1	0.63	2.0	ug/l	50.0		92	74-127	7	25	
Benzene	48.0	0.47	1.0	ug/l	50.0		96	37-151	2	25	
Bromodichloromethane	53.6	0.44	1.0	ug/l	50.0		107	35-155	3	25	
Bromoform	55.4	0.27	1.0	ug/l	50.0		111	45-169	5	25	
Bromomethane	46.5	0.50	1.0	ug/l	50.0		93	0.1-242	4	25	
Carbon Disulfide	51.6	0.33	1.0	ug/l	50.0		103	79-118	1	25	
Carbon tetrachloride	53.0	0.28	1.0	ug/l	50.0		106	70-140	5	25	
Chlorobenzene	46.8	0.35	1.0	ug/l	50.0		94	37-160	2	25	
Chloroethane	44.1	0.38	1.0	ug/l	50.0		88	14-230	3	25	
Chloroform	48.6	0.29	1.0	ug/l	50.0		97	51-138	5	25	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1574 - EPA 624.1 (Continued)											
LCS Dup (W2C1574-BSD1)					**Prepared & Analyzed: 03/23/22**						
Chloromethane	46.3	0.29	1.0	ug/l	50.0		93	0.1-273	4	25	
cis-1,2-Dichloroethene	43.9	0.38	1.0	ug/l	50.0		88	85-121	3	25	
cis-1,3-Dichloropropene	53.8	0.36	1.0	ug/l	50.0		108	0.1-227	5	25	
Dibromochloromethane	60.1	0.35	1.0	ug/l	50.0		120	53-149	3	25	
Dichlorodifluoromethane (Freon 12)	45.9	0.30	1.0	ug/l	50.0		92	67-126	8	25	
Ethylbenzene	47.2	0.41	1.0	ug/l	50.0		94	37-162	2	25	
m,p-Xylene	47.9	0.29	1.0	ug/l	50.0		96	81-121	3	25	
m-Dichlorobenzene	50.6	0.39	1.0	ug/l	50.0		101	59-156	3	25	
Methyl tert-butyl ether (MTBE)	201	0.40	1.0	ug/l	200		100	80-128	9	25	
Methylene chloride	45.2	0.39	1.0	ug/l	50.0		90	0.1-221	4	25	
o-Dichlorobenzene	42.6	0.35	1.0	ug/l	50.0		85	18-190	0.8	25	
o-Xylene	48.9	0.29	1.0	ug/l	50.0		98	84-121	4	25	
p-Dichlorobenzene	43.4	0.42	1.0	ug/l	50.0		87	18-190	3	25	
Tert-butyl alcohol	189	2.1	5.0	ug/l	200		95	53-144	9	25	
Tetrachloroethene	49.9	0.34	1.0	ug/l	50.0		100	64-148	4	25	
Toluene	50.9	0.36	1.0	ug/l	50.0		102	47-150	5	25	
trans-1,2-Dichloroethene	45.9	0.27	1.0	ug/l	50.0		92	54-156	5	25	
trans-1,3-Dichloropropene	54.8	0.33	1.0	ug/l	50.0		110	17-183	4	25	
Trichloroethene	47.7	0.34	1.0	ug/l	50.0		95	71-157	4	25	
Trichlorofluoromethane	48.4	0.43	1.0	ug/l	50.0		97	17-181	4	25	
Vinyl chloride	44.6	0.31	1.0	ug/l	50.0		89	0.1-251	0.03	25	
Surrogate(s)											
1,2-Dichloroethane-d4	*48.4*			*ug/l*	*50.0*		*97*	*82-125*			
4-Bromofluorobenzene	*50.8*			*ug/l*	*50.0*		*102*	*88-108*			
Toluene-d8	*50.4*			*ug/l*	*50.0*		*101*	*92-112*			
Matrix Spike (W2C1574-MS1)	**Source: 2C22009-01**				**Prepared & Analyzed: 03/23/22**						
1,1,1-Trichloroethane	54.4	0.31	1.0	ug/l	50.0	ND	109	52-162			
1,1,2,2-Tetrachloroethane	45.5	0.38	1.0	ug/l	50.0	ND	91	46-157			
1,1,2-Trichloroethane	56.6	0.42	1.0	ug/l	50.0	ND	113	52-150			
1,1-Dichloroethane	49.9	0.32	1.0	ug/l	50.0	ND	100	59-155			
1,1-Dichloroethene	51.1	0.32	1.0	ug/l	50.0	ND	102	0.1-234			
1,2-Dichloroethane	48.7	0.54	1.0	ug/l	50.0	ND	97	49-155			
1,2-Dichloropropane	52.9	0.42	1.0	ug/l	50.0	ND	106	0.1-210			
2-Butanone	44.1	2.0	5.0	ug/l	50.0	ND	88	36-145			
2-Chloroethyl vinyl ether	52.9	0.19	1.0	ug/l	50.0	ND	106	0.1-305			
2-Hexanone	57.3	0.46	5.0	ug/l	50.0	ND	115	46-152			
4-Methyl-2-pentanone	54.0	0.59	5.0	ug/l	50.0	ND	108	54-146			
Acetone	542	1.6	5.0	ug/l	500	48.8	99	11-169			
Acrolein	ND	1.2	5.0	ug/l	50.0	ND		5-170			MS-05

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1574 - EPA 624.1 (Continued)											
Matrix Spike (W2C1574-MS1)	**Source: 2C22009-01**				**Prepared & Analyzed: 03/23/22**						
Acrylonitrile	45.2	0.63	2.0	ug/l	50.0	ND	90	59-133			
Benzene	53.4	0.47	1.0	ug/l	50.0	ND	107	37-151			
Bromodichloromethane	59.8	0.44	1.0	ug/l	50.0	ND	120	35-155			
Bromoform	58.1	0.27	1.0	ug/l	50.0	ND	116	45-169			
Bromomethane	2.64	0.50	1.0	ug/l	50.0	ND	5	0.1-242			
Carbon tetrachloride	57.8	0.28	1.0	ug/l	50.0	ND	116	70-140			
Chlorobenzene	52.2	0.35	1.0	ug/l	50.0	ND	104	37-160			
Chloroethane	49.4	0.38	1.0	ug/l	50.0	ND	99	14-230			
Chloroform	64.5	0.29	1.0	ug/l	50.0	10.4	108	51-138			
Chloromethane	47.7	0.29	1.0	ug/l	50.0	ND	95	0.1-273			
cis-1,3-Dichloropropene	6.80	0.36	1.0	ug/l	50.0	ND	14	0.1-227			
Dibromochloromethane	64.6	0.35	1.0	ug/l	50.0	ND	129	53-149			
Dichlorodifluoromethane (Freon 12)	45.5	0.30	1.0	ug/l	50.0	ND	91	32-141			
Ethylbenzene	52.1	0.41	1.0	ug/l	50.0	ND	104	37-162			
m-Dichlorobenzene	56.3	0.39	1.0	ug/l	50.0	ND	113	59-156			
Methylene chloride	48.3	0.39	1.0	ug/l	50.0	ND	97	0.1-221			
o-Dichlorobenzene	48.0	0.35	1.0	ug/l	50.0	ND	96	18-190			
p-Dichlorobenzene	48.0	0.42	1.0	ug/l	50.0	ND	96	18-190			
Tetrachloroethene	54.7	0.34	1.0	ug/l	50.0	ND	109	64-148			
Toluene	55.8	0.36	1.0	ug/l	50.0	ND	112	47-150			
trans-1,2-Dichloroethene	49.2	0.27	1.0	ug/l	50.0	ND	98	54-156			
trans-1,3-Dichloropropene	29.5	0.33	1.0	ug/l	50.0	ND	59	17-183			
Trichloroethene	55.2	0.34	1.0	ug/l	50.0	ND	110	71-157			
Trichlorofluoromethane	50.1	0.43	1.0	ug/l	50.0	ND	100	17-181			
Vinyl chloride	49.4	0.31	1.0	ug/l	50.0	ND	99	0.1-251			
Surrogate(s)											
1,2-Dichloroethane-d4	*48.0*			*ug/l*	*50.0*		*96*	*82-125*			
4-Bromofluorobenzene	*51.2*			*ug/l*	*50.0*		*102*	*88-108*			
Toluene-d8	*51.1*			*ug/l*	*50.0*		*102*	*92-112*			
Matrix Spike Dup (W2C1574-MSD1)	**Source: 2C22009-01**				**Prepared & Analyzed: 03/23/22**						
1,1,1-Trichloroethane	52.2	0.31	1.0	ug/l	50.0	ND	104	52-162	4	25	
1,1,2,2-Tetrachloroethane	45.4	0.38	1.0	ug/l	50.0	ND	91	46-157	0.07	25	
1,1,2-Trichloroethane	55.4	0.42	1.0	ug/l	50.0	ND	111	52-150	2	25	
1,1-Dichloroethane	48.9	0.32	1.0	ug/l	50.0	ND	98	59-155	2	25	
1,1-Dichloroethene	49.0	0.32	1.0	ug/l	50.0	ND	98	0.1-234	4	25	
1,2-Dichloroethane	47.9	0.54	1.0	ug/l	50.0	ND	96	49-155	2	25	
1,2-Dichloropropane	53.4	0.42	1.0	ug/l	50.0	ND	107	0.1-210	0.8	25	
2-Butanone	43.7	2.0	5.0	ug/l	50.0	ND	87	36-145	1	25	
2-Chloroethyl vinyl ether	52.0	0.19	1.0	ug/l	50.0	ND	104	0.1-305	2	25	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1574 - EPA 624.1 (Continued)											
Matrix Spike Dup (W2C1574-MSD1)	**Source: 2C22009-01**				**Prepared & Analyzed: 03/23/22**						
2-Hexanone	57.2	0.46	5.0	ug/l	50.0	ND	114	46-152	0.3	25	
4-Methyl-2-pentanone	53.1	0.59	5.0	ug/l	50.0	ND	106	54-146	2	25	
Acetone	531	1.6	5.0	ug/l	500	48.8	96	11-169	2	25	
Acrolein	1.29	1.2	5.0	ug/l	50.0	ND	3	5-170	200	25	J, MS-05
Acrylonitrile	45.0	0.63	2.0	ug/l	50.0	ND	90	59-133	0.6	25	
Benzene	52.7	0.47	1.0	ug/l	50.0	ND	105	37-151	1	25	
Bromodichloromethane	59.9	0.44	1.0	ug/l	50.0	ND	120	35-155	0.2	25	
Bromoform	56.5	0.27	1.0	ug/l	50.0	ND	113	45-169	3	25	
Bromomethane	2.12	0.50	1.0	ug/l	50.0	ND	4	0.1-242	22	25	
Carbon tetrachloride	56.4	0.28	1.0	ug/l	50.0	ND	113	70-140	3	25	
Chlorobenzene	49.9	0.35	1.0	ug/l	50.0	ND	100	37-160	4	25	
Chloroethane	47.5	0.38	1.0	ug/l	50.0	ND	95	14-230	4	25	
Chloroform	61.8	0.29	1.0	ug/l	50.0	10.4	103	51-138	4	25	
Chloromethane	44.9	0.29	1.0	ug/l	50.0	ND	90	0.1-273	6	25	
cis-1,3-Dichloropropene	5.90	0.36	1.0	ug/l	50.0	ND	12	0.1-227	14	25	
Dibromochloromethane	63.2	0.35	1.0	ug/l	50.0	ND	126	53-149	2	25	
Dichlorodifluoromethane (Freon 12)	44.5	0.30	1.0	ug/l	50.0	ND	89	32-141	2	25	
Ethylbenzene	50.3	0.41	1.0	ug/l	50.0	ND	101	37-162	4	25	
m-Dichlorobenzene	56.7	0.39	1.0	ug/l	50.0	ND	113	59-156	0.7	25	
Methylene chloride	47.6	0.39	1.0	ug/l	50.0	ND	95	0.1-221	1	25	
o-Dichlorobenzene	48.9	0.35	1.0	ug/l	50.0	ND	98	18-190	2	25	
p-Dichlorobenzene	48.2	0.42	1.0	ug/l	50.0	ND	96	18-190	0.3	25	
Tetrachloroethene	54.2	0.34	1.0	ug/l	50.0	ND	108	64-148	1	25	
Toluene	54.9	0.36	1.0	ug/l	50.0	ND	110	47-150	2	25	
trans-1,2-Dichloroethene	47.5	0.27	1.0	ug/l	50.0	ND	95	54-156	4	25	
trans-1,3-Dichloropropene	27.9	0.33	1.0	ug/l	50.0	ND	56	17-183	6	25	
Trichloroethene	54.4	0.34	1.0	ug/l	50.0	ND	109	71-157	2	25	
Trichlorofluoromethane	49.4	0.43	1.0	ug/l	50.0	ND	99	17-181	1	25	
Vinyl chloride	48.0	0.31	1.0	ug/l	50.0	ND	96	0.1-251	3	25	
Surrogate(s)											
1,2-Dichloroethane-d4	*48.4*			*ug/l*	*50.0*		*97*	*82-125*			
4-Bromofluorobenzene	*49.7*			*ug/l*	*50.0*		*99*	*88-108*			
Toluene-d8	*52.7*			*ug/l*	*50.0*		*105*	*92-112*			
Batch: W2C1791 - EPA 624.1											
Blank (W2C1791-BLK1)					**Prepared & Analyzed: 03/25/22**						
1,1,1-Trichloroethane	ND	0.31	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.38	1.0	ug/l							
1,1,2-Trichloroethane	ND	0.42	1.0	ug/l							
1,1-Dichloroethane	ND	0.32	1.0	ug/l							

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1791 - EPA 624.1 (Continued)											
Blank (W2C1791-BLK1)					**Prepared & Analyzed: 03/25/22**						
1,1-Dichloroethene	ND	0.32	1.0	ug/l							
1,2-Dichloroethane	ND	0.54	1.0	ug/l							
1,2-Dichloropropane	ND	0.42	1.0	ug/l							
2-Butanone	ND	2.0	5.0	ug/l							
2-Chloroethyl vinyl ether	ND	0.19	1.0	ug/l							
2-Hexanone	ND	0.46	5.0	ug/l							
4-Methyl-2-pentanone	ND	0.59	5.0	ug/l							
Acetone	ND	1.6	5.0	ug/l							
Acrolein	ND	1.2	5.0	ug/l							
Acrylonitrile	ND	0.63	2.0	ug/l							
Benzene	ND	0.47	1.0	ug/l							
Bromodichloromethane	ND	0.44	1.0	ug/l							
Bromoform	ND	0.27	1.0	ug/l							
Bromomethane	ND	0.50	1.0	ug/l							
Carbon Disulfide	ND	0.33	1.0	ug/l							
Carbon tetrachloride	ND	0.28	1.0	ug/l							
Chlorobenzene	ND	0.35	1.0	ug/l							
Chloroethane	ND	0.38	1.0	ug/l							
Chloroform	ND	0.29	1.0	ug/l							
Chloromethane	ND	0.29	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.36	1.0	ug/l							
Dibromochloromethane	ND	0.35	1.0	ug/l							
Dichlorodifluoromethane (Freon 12)	ND	0.30	1.0	ug/l							
Ethylbenzene	ND	0.41	1.0	ug/l							
m-Dichlorobenzene	ND	0.39	1.0	ug/l							
Methyl tert-butyl ether (MTBE)	ND	0.40	1.0	ug/l							
Methylene chloride	ND	0.39	1.0	ug/l							
o-Dichlorobenzene	ND	0.35	1.0	ug/l							
p-Dichlorobenzene	ND	0.42	1.0	ug/l							
Tetrachloroethene	ND	0.34	1.0	ug/l							
Toluene	ND	0.36	1.0	ug/l							
trans-1,2-Dichloroethene	ND	0.27	1.0	ug/l							
trans-1,3-Dichloropropene	ND	0.33	1.0	ug/l							
Trichloroethene	ND	0.34	1.0	ug/l							
Trichlorofluoromethane	ND	0.43	1.0	ug/l							
Vinyl chloride	ND	0.31	1.0	ug/l							
Surrogate(s)											
1,2-Dichloroethane-d4	*48.7*			*ug/l*	*50.0*		*97*	*82-125*			
4-Bromofluorobenzene	*51.8*			*ug/l*	*50.0*		*104*	*88-108*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1791 - EPA 624.1 (Continued)											
Blank (W2C1791-BLK1)					**Prepared & Analyzed: 03/25/22**						
Surrogate(s)											
Toluene-d8	*49.3*			*ug/l*	*50.0*		*99*	*92-112*			
LCS (W2C1791-BS1)					**Prepared & Analyzed: 03/25/22**						
1,1,1-Trichloroethane	48.1	0.31	1.0	ug/l	50.0		96	52-162			
1,1,2,2-Tetrachloroethane	42.7	0.38	1.0	ug/l	50.0		85	46-157			
1,1,2-Trichloroethane	49.6	0.42	1.0	ug/l	50.0		99	52-150			
1,1-Dichloroethane	44.4	0.32	1.0	ug/l	50.0		89	59-155			
1,1-Dichloroethene	44.7	0.32	1.0	ug/l	50.0		89	0.1-234			
1,2-Dichloroethane	43.5	0.54	1.0	ug/l	50.0		87	49-155			
1,2-Dichloropropane	48.8	0.42	1.0	ug/l	50.0		98	0.1-210			
2-Butanone	40.3	2.0	5.0	ug/l	50.0		81	67-136			
2-Chloroethyl vinyl ether	48.1	0.19	1.0	ug/l	50.0		96	0.1-305			
2-Hexanone	54.4	0.46	5.0	ug/l	50.0		109	76-133			
4-Methyl-2-pentanone	49.2	0.59	5.0	ug/l	50.0		98	74-132			
Acetone	468	1.6	5.0	ug/l	500		94	60-147			
Acrolein	92.5	1.2	5.0	ug/l	50.0		185	49-152			Q-08
Acrylonitrile	43.7	0.63	2.0	ug/l	50.0		87	74-127			
Benzene	47.2	0.47	1.0	ug/l	50.0		94	37-151			
Bromodichloromethane	53.2	0.44	1.0	ug/l	50.0		106	35-155			
Bromoform	53.5	0.27	1.0	ug/l	50.0		107	45-169			
Bromomethane	43.9	0.50	1.0	ug/l	50.0		88	0.1-242			
Carbon Disulfide	50.3	0.33	1.0	ug/l	50.0		101	79-118			
Carbon tetrachloride	52.9	0.28	1.0	ug/l	50.0		106	70-140			
Chlorobenzene	46.2	0.35	1.0	ug/l	50.0		92	37-160			
Chloroethane	42.4	0.38	1.0	ug/l	50.0		85	14-230			
Chloroform	47.2	0.29	1.0	ug/l	50.0		94	51-138			
Chloromethane	43.7	0.29	1.0	ug/l	50.0		87	0.1-273			
cis-1,2-Dichloroethene	43.2	0.38	1.0	ug/l	50.0		86	85-121			
cis-1,3-Dichloropropene	53.5	0.36	1.0	ug/l	50.0		107	0.1-227			
Dibromochloromethane	59.3	0.35	1.0	ug/l	50.0		119	53-149			
Dichlorodifluoromethane (Freon 12)	43.9	0.30	1.0	ug/l	50.0		88	67-126			
Ethylbenzene	47.3	0.41	1.0	ug/l	50.0		95	37-162			
m,p-Xylene	46.3	0.29	1.0	ug/l	50.0		93	81-121			
m-Dichlorobenzene	48.9	0.39	1.0	ug/l	50.0		98	59-156			
Methyl tert-butyl ether (MTBE)	188	0.40	1.0	ug/l	200		94	80-128			
Methylene chloride	42.1	0.39	1.0	ug/l	50.0		84	0.1-221			
o-Dichlorobenzene	40.8	0.35	1.0	ug/l	50.0		82	18-190			
o-Xylene	47.8	0.29	1.0	ug/l	50.0		96	84-121			
p-Dichlorobenzene	40.9	0.42	1.0	ug/l	50.0		82	18-190			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1791 - EPA 624.1 (Continued)											
LCS (W2C1791-BS1)					**Prepared & Analyzed: 03/25/22**						
Tert-butyl alcohol	184	2.1	5.0	ug/l	200		92	53-144			
Tetrachloroethene	50.3	0.34	1.0	ug/l	50.0		101	64-148			
Toluene	49.9	0.36	1.0	ug/l	50.0		100	47-150			
trans-1,2-Dichloroethene	43.2	0.27	1.0	ug/l	50.0		86	54-156			
trans-1,3-Dichloropropene	53.8	0.33	1.0	ug/l	50.0		108	17-183			
Trichloroethene	47.9	0.34	1.0	ug/l	50.0		96	71-157			
Trichlorofluoromethane	47.0	0.43	1.0	ug/l	50.0		94	17-181			
Vinyl chloride	43.5	0.31	1.0	ug/l	50.0		87	0.1-251			
Surrogate(s)											
1,2-Dichloroethane-d4	*47.4*			*ug/l*	*50.0*		*95*	*82-125*			
4-Bromofluorobenzene	*50.4*			*ug/l*	*50.0*		*101*	*88-108*			
Toluene-d8	*50.7*			*ug/l*	*50.0*		*101*	*92-112*			
LCS Dup (W2C1791-BSD1)					**Prepared & Analyzed: 03/25/22**						
1,1,1-Trichloroethane	53.2	0.31	1.0	ug/l	50.0		106	52-162	10	25	
1,1,2,2-Tetrachloroethane	48.6	0.38	1.0	ug/l	50.0		97	46-157	13	25	
1,1,2-Trichloroethane	55.5	0.42	1.0	ug/l	50.0		111	52-150	11	25	
1,1-Dichloroethane	48.3	0.32	1.0	ug/l	50.0		97	59-155	8	25	
1,1-Dichloroethene	47.1	0.32	1.0	ug/l	50.0		94	0.1-234	5	25	
1,2-Dichloroethane	48.4	0.54	1.0	ug/l	50.0		97	49-155	11	25	
1,2-Dichloropropane	53.2	0.42	1.0	ug/l	50.0		106	0.1-210	9	25	
2-Butanone	46.7	2.0	5.0	ug/l	50.0		93	67-136	15	25	
2-Chloroethyl vinyl ether	53.8	0.19	1.0	ug/l	50.0		108	0.1-305	11	25	
2-Hexanone	62.2	0.46	5.0	ug/l	50.0		124	76-133	13	25	
4-Methyl-2-pentanone	57.1	0.59	5.0	ug/l	50.0		114	74-132	15	25	
Acetone	520	1.6	5.0	ug/l	500		104	60-147	11	25	
Acrolein	105	1.2	5.0	ug/l	50.0		211	49-152	13	25	Q-08
Acrylonitrile	50.3	0.63	2.0	ug/l	50.0		101	74-127	14	25	
Benzene	51.3	0.47	1.0	ug/l	50.0		103	37-151	8	25	
Bromodichloromethane	57.9	0.44	1.0	ug/l	50.0		116	35-155	9	25	
Bromoform	59.2	0.27	1.0	ug/l	50.0		118	45-169	10	25	
Bromomethane	47.7	0.50	1.0	ug/l	50.0		95	0.1-242	8	25	
Carbon Disulfide	53.9	0.33	1.0	ug/l	50.0		108	79-118	7	25	
Carbon tetrachloride	57.3	0.28	1.0	ug/l	50.0		115	70-140	8	25	
Chlorobenzene	50.5	0.35	1.0	ug/l	50.0		101	37-160	9	25	
Chloroethane	46.1	0.38	1.0	ug/l	50.0		92	14-230	8	25	
Chloroform	52.5	0.29	1.0	ug/l	50.0		105	51-138	11	25	
Chloromethane	48.1	0.29	1.0	ug/l	50.0		96	0.1-273	9	25	
cis-1,2-Dichloroethene	47.4	0.38	1.0	ug/l	50.0		95	85-121	9	25	
cis-1,3-Dichloropropene	57.0	0.36	1.0	ug/l	50.0		114	0.1-227	6	25	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1791 - EPA 624.1 (Continued)											
LCS Dup (W2C1791-BSD1)					**Prepared & Analyzed: 03/25/22**						
Dibromochloromethane	65.5	0.35	1.0	ug/l	50.0		131	53-149	10	25	
Dichlorodifluoromethane (Freon 12)	48.6	0.30	1.0	ug/l	50.0		97	67-126	10	25	
Ethylbenzene	52.0	0.41	1.0	ug/l	50.0		104	37-162	9	25	
m,p-Xylene	50.9	0.29	1.0	ug/l	50.0		102	81-121	9	25	
m-Dichlorobenzene	53.3	0.39	1.0	ug/l	50.0		107	59-156	9	25	
Methyl tert-butyl ether (MTBE)	209	0.40	1.0	ug/l	200		105	80-128	11	25	
Methylene chloride	47.0	0.39	1.0	ug/l	50.0		94	0.1-221	11	25	
o-Dichlorobenzene	46.7	0.35	1.0	ug/l	50.0		93	18-190	13	25	
o-Xylene	51.7	0.29	1.0	ug/l	50.0		103	84-121	8	25	
p-Dichlorobenzene	46.9	0.42	1.0	ug/l	50.0		94	18-190	14	25	
Tert-butyl alcohol	212	2.1	5.0	ug/l	200		106	53-144	14	25	
Tetrachloroethene	54.0	0.34	1.0	ug/l	50.0		108	64-148	7	25	
Toluene	54.6	0.36	1.0	ug/l	50.0		109	47-150	9	25	
trans-1,2-Dichloroethene	47.1	0.27	1.0	ug/l	50.0		94	54-156	9	25	
trans-1,3-Dichloropropene	60.0	0.33	1.0	ug/l	50.0		120	17-183	11	25	
Trichloroethene	51.2	0.34	1.0	ug/l	50.0		102	71-157	7	25	
Trichlorofluoromethane	50.2	0.43	1.0	ug/l	50.0		100	17-181	7	25	
Vinyl chloride	47.4	0.31	1.0	ug/l	50.0		95	0.1-251	8	25	
Surrogate(s)											
1,2-Dichloroethane-d4	*48.9*			*ug/l*	*50.0*		*98*	*82-125*			
4-Bromofluorobenzene	*51.6*			*ug/l*	*50.0*		*103*	*88-108*			
Toluene-d8	*51.6*			*ug/l*	*50.0*		*103*	*92-112*			
Matrix Spike (W2C1791-MS1)	**Source: 2C17008-01**				**Prepared & Analyzed: 03/25/22**						
1,1,1-Trichloroethane	55.8	0.31	1.0	ug/l	50.0	ND	112	52-162			
1,1,2,2-Tetrachloroethane	48.8	0.38	1.0	ug/l	50.0	ND	98	46-157			
1,1,2-Trichloroethane	58.4	0.42	1.0	ug/l	50.0	ND	117	52-150			
1,1-Dichloroethane	51.9	0.32	1.0	ug/l	50.0	ND	104	59-155			
1,1-Dichloroethene	53.8	0.32	1.0	ug/l	50.0	ND	108	0.1-234			
1,2-Dichloroethane	51.2	0.54	1.0	ug/l	50.0	ND	102	49-155			
1,2-Dichloropropane	56.1	0.42	1.0	ug/l	50.0	ND	112	0.1-210			
2-Butanone	55.7	2.0	5.0	ug/l	50.0	ND	111	36-145			
2-Chloroethyl vinyl ether	52.9	0.19	1.0	ug/l	50.0	ND	106	0.1-305			
2-Hexanone	62.8	0.46	5.0	ug/l	50.0	ND	126	46-152			
4-Methyl-2-pentanone	56.2	0.59	5.0	ug/l	50.0	ND	112	54-146			
Acetone	538	1.6	5.0	ug/l	500	ND	108	11-169			
Acrolein	66.8	1.2	5.0	ug/l	50.0	ND	134	5-170			
Acrylonitrile	50.4	0.63	2.0	ug/l	50.0	ND	101	59-133			
Benzene	56.2	0.47	1.0	ug/l	50.0	ND	112	37-151			
Bromodichloromethane	64.2	0.44	1.0	ug/l	50.0	ND	128	35-155			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1791 - EPA 624.1 (Continued)											
Matrix Spike (W2C1791-MS1)	**Source: 2C17008-01**				**Prepared & Analyzed: 03/25/22**						
Bromoform	63.8	0.27	1.0	ug/l	50.0	ND	128	45-169			
Bromomethane	51.7	0.50	1.0	ug/l	50.0	ND	103	0.1-242			
Carbon tetrachloride	61.8	0.28	1.0	ug/l	50.0	ND	124	70-140			
Chlorobenzene	53.3	0.35	1.0	ug/l	50.0	ND	107	37-160			
Chloroethane	49.9	0.38	1.0	ug/l	50.0	ND	100	14-230			
Chloroform	54.9	0.29	1.0	ug/l	50.0	ND	110	51-138			
Chloromethane	45.8	0.29	1.0	ug/l	50.0	ND	92	0.1-273			
cis-1,3-Dichloropropene	60.8	0.36	1.0	ug/l	50.0	ND	122	0.1-227			
Dibromochloromethane	72.0	0.35	1.0	ug/l	50.0	ND	144	53-149			
Dichlorodifluoromethane (Freon 12)	41.2	0.30	1.0	ug/l	50.0	ND	82	32-141			
Ethylbenzene	55.2	0.41	1.0	ug/l	50.0	ND	110	37-162			
m-Dichlorobenzene	56.1	0.39	1.0	ug/l	50.0	ND	112	59-156			
Methylene chloride	50.8	0.39	1.0	ug/l	50.0	ND	102	0.1-221			
o-Dichlorobenzene	50.6	0.35	1.0	ug/l	50.0	ND	101	18-190			
p-Dichlorobenzene	50.6	0.42	1.0	ug/l	50.0	ND	101	18-190			
Tetrachloroethene	59.4	0.34	1.0	ug/l	50.0	ND	119	64-148			
Toluene	59.0	0.36	1.0	ug/l	50.0	ND	118	47-150			
trans-1,2-Dichloroethene	52.7	0.27	1.0	ug/l	50.0	ND	105	54-156			
trans-1,3-Dichloropropene	61.8	0.33	1.0	ug/l	50.0	ND	124	17-183			
Trichloroethene	148	0.34	1.0	ug/l	50.0	ND	297	71-157			MS-05
Trichlorofluoromethane	53.6	0.43	1.0	ug/l	50.0	ND	107	17-181			
Vinyl chloride	46.1	0.31	1.0	ug/l	50.0	ND	92	0.1-251			
Surrogate(s)											
1,2-Dichloroethane-d4	*49.5*			*ug/l*	*50.0*		*99*	*82-125*			
4-Bromofluorobenzene	*50.3*			*ug/l*	*50.0*		*101*	*88-108*			
Toluene-d8	*52.5*			*ug/l*	*50.0*		*105*	*92-112*			
Matrix Spike Dup (W2C1791-MSD1)	**Source: 2C17008-01**				**Prepared & Analyzed: 03/25/22**						
1,1,1-Trichloroethane	56.6	0.31	1.0	ug/l	50.0	ND	113	52-162	2	25	
1,1,2,2-Tetrachloroethane	51.0	0.38	1.0	ug/l	50.0	ND	102	46-157	4	25	
1,1,2-Trichloroethane	59.0	0.42	1.0	ug/l	50.0	ND	118	52-150	1	25	
1,1-Dichloroethane	52.4	0.32	1.0	ug/l	50.0	ND	105	59-155	1	25	
1,1-Dichloroethene	53.8	0.32	1.0	ug/l	50.0	ND	108	0.1-234	0.07	25	
1,2-Dichloroethane	50.7	0.54	1.0	ug/l	50.0	ND	101	49-155	0.9	25	
1,2-Dichloropropane	57.2	0.42	1.0	ug/l	50.0	ND	114	0.1-210	2	25	
2-Butanone	56.8	2.0	5.0	ug/l	50.0	ND	114	36-145	2	25	
2-Chloroethyl vinyl ether	55.8	0.19	1.0	ug/l	50.0	ND	112	0.1-305	5	25	
2-Hexanone	63.7	0.46	5.0	ug/l	50.0	ND	127	46-152	1	25	
4-Methyl-2-pentanone	58.6	0.59	5.0	ug/l	50.0	ND	117	54-146	4	25	
Acetone	547	1.6	5.0	ug/l	500	ND	109	11-169	2	25	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2C1791 - EPA 624.1 (Continued)											
Matrix Spike Dup (W2C1791-MSD1)	**Source: 2C17008-01**				**Prepared & Analyzed: 03/25/22**						
Acrolein	65.6	1.2	5.0	ug/l	50.0	ND	131	5-170	2	25	
Acrylonitrile	50.3	0.63	2.0	ug/l	50.0	ND	101	59-133	0.3	25	
Benzene	55.8	0.47	1.0	ug/l	50.0	ND	112	37-151	0.8	25	
Bromodichloromethane	64.1	0.44	1.0	ug/l	50.0	ND	128	35-155	0.03	25	
Bromoform	65.6	0.27	1.0	ug/l	50.0	ND	131	45-169	3	25	
Bromomethane	51.2	0.50	1.0	ug/l	50.0	ND	102	0.1-242	0.8	25	
Carbon tetrachloride	63.0	0.28	1.0	ug/l	50.0	ND	126	70-140	2	25	
Chlorobenzene	55.6	0.35	1.0	ug/l	50.0	ND	111	37-160	4	25	
Chloroethane	49.1	0.38	1.0	ug/l	50.0	ND	98	14-230	2	25	
Chloroform	55.0	0.29	1.0	ug/l	50.0	ND	110	51-138	0.2	25	
Chloromethane	47.1	0.29	1.0	ug/l	50.0	ND	94	0.1-273	3	25	
cis-1,3-Dichloropropene	62.7	0.36	1.0	ug/l	50.0	ND	125	0.1-227	3	25	
Dibromochloromethane	71.5	0.35	1.0	ug/l	50.0	ND	143	53-149	0.7	25	
Dichlorodifluoromethane (Freon 12)	43.4	0.30	1.0	ug/l	50.0	ND	87	32-141	5	25	
Ethylbenzene	56.4	0.41	1.0	ug/l	50.0	ND	113	37-162	2	25	
m-Dichlorobenzene	57.1	0.39	1.0	ug/l	50.0	ND	114	59-156	2	25	
Methylene chloride	50.4	0.39	1.0	ug/l	50.0	ND	101	0.1-221	0.8	25	
o-Dichlorobenzene	52.3	0.35	1.0	ug/l	50.0	ND	105	18-190	3	25	
p-Dichlorobenzene	51.8	0.42	1.0	ug/l	50.0	ND	104	18-190	2	25	
Tetrachloroethene	58.6	0.34	1.0	ug/l	50.0	ND	117	64-148	1	25	
Toluene	59.6	0.36	1.0	ug/l	50.0	ND	119	47-150	1	25	
trans-1,2-Dichloroethene	52.4	0.27	1.0	ug/l	50.0	ND	105	54-156	0.5	25	
trans-1,3-Dichloropropene	62.4	0.33	1.0	ug/l	50.0	ND	125	17-183	0.9	25	
Trichloroethene	77.9	0.34	1.0	ug/l	50.0	ND	156	71-157	62	25	MS-05
Trichlorofluoromethane	54.2	0.43	1.0	ug/l	50.0	ND	108	17-181	1	25	
Vinyl chloride	47.9	0.31	1.0	ug/l	50.0	ND	96	0.1-251	4	25	
Surrogate(s)											
1,2-Dichloroethane-d4	*49.4*			*ug/l*	*50.0*		*99*	*82-125*			
4-Bromofluorobenzene	*51.5*			*ug/l*	*50.0*		*103*	*88-108*			
Toluene-d8	*53.0*			*ug/l*	*50.0*		*106*	*92-112*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011

Project Number: 2022 Annual CWRF Effluent Priority Pollutant Scan

Project Manager: Jeff Parks

Reported: 05/05/2022 09:15

Notes and Definitions

Item	Definition
AN-IP	Sample results for structural isomers may have contribution from their isomeric pair.
J	Estimated conc. detected <MRL and >MDL.
M-04	Due to the nature of matrix interferences, sample extract was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
MS-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
Q-12	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
R-01	The MDL and/or MRL for this analyte has been raised to account for matrix interference.
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-106229-1
Client Project/Site: CWRF Annual Effluent

For:
Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, California 92011

Attn: Jeff Parks

Authorized for release by:
8/16/2022 9:13:12 AM

Janice Hsu, Project Manager I
(657)210-6359
Janice.Hsu@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: Encina Wastewater Authority
Project/Site: CWRF Annual Effluent

Job ID: 570-106229-1

Qualifiers

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Case Narrative

Client: Encina Wastewater Authority
Project/Site: CWRF Annual Effluent

Job ID: 570-106229-1

Job ID: 570-106229-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-106229-1

Comments
No additional comments.

Receipt
The sample was received on 8/11/2022 7:11 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.2º C.

Receipt Exceptions
The Chain-of-Custody (COC) was incomplete as received. No total number of containers listed. No analysis requested.

Metals
Method 200.8: The continuing calibration verification (CCV) associated with batch 570-256829 recovered above the upper control limit for Beryllium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: CWRF Annual Effluent (570-106229-1).

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

Detection Summary

Client: Encina Wastewater Authority
Project/Site: CWRF Annual Effluent

Job ID: 570-106229-1

Client Sample ID: CWRF Annual Effluent

Lab Sample ID: 570-106229-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.93	J	2.0	0.26	ug/L	1		200.8	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Encina Wastewater Authority
Project/Site: CWRF Annual Effluent

Job ID: 570-106229-1

Method: 200.8 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: CWRF Annual Effluent
Date Collected: 08/10/22 07:05
Date Received: 08/11/22 19:11

Lab Sample ID: 570-106229-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.93**	**J**	2.0	0.26	ug/L		08/15/22 07:02	08/15/22 11:40	1
Beryllium	ND	^+	0.50	0.25	ug/L		08/15/22 07:02	08/15/22 11:40	1
Cadmium	ND		1.0	0.14	ug/L		08/15/22 07:02	08/15/22 11:40	1
Thallium	ND		1.0	0.12	ug/L		08/15/22 07:02	08/15/22 11:40	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 570-256685/1-A
Matrix: Water
Analysis Batch: 256829

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 256685

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0	0.26	ug/L		08/15/22 07:02	08/15/22 11:07	1
Beryllium	ND		0.50	0.25	ug/L		08/15/22 07:02	08/15/22 11:07	1
Cadmium	ND		1.0	0.14	ug/L		08/15/22 07:02	08/15/22 11:07	1
Thallium	ND		1.0	0.12	ug/L		08/15/22 07:02	08/15/22 11:07	1

Lab Sample ID: LCS 570-256685/2-A
Matrix: Water
Analysis Batch: 256829

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 256685

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	80.0	88.1		ug/L		110	85 - 115
Beryllium	80.0	89.3		ug/L		112	85 - 115
Cadmium	80.0	82.1		ug/L		103	85 - 115
Thallium	80.0	83.3		ug/L		104	85 - 115

Lab Sample ID: LCSD 570-256685/3-A
Matrix: Water
Analysis Batch: 256829

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 256685

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	80.0	88.2		ug/L		110	85 - 115	0	20
Beryllium	80.0	87.4		ug/L		109	85 - 115	2	20
Cadmium	80.0	80.9		ug/L		101	85 - 115	1	20
Thallium	80.0	81.9		ug/L		102	85 - 115	2	20

Lab Sample ID: 570-105964-E-1-C MS
Matrix: Water
Analysis Batch: 256829

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 256685

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.2	J	80.0	92.5		ug/L		114	80 - 120
Beryllium	ND		80.0	85.6		ug/L		107	80 - 120
Cadmium	0.14	J	80.0	77.9		ug/L		97	80 - 120
Thallium	ND		80.0	77.9		ug/L		97	80 - 120

Lab Sample ID: 570-105964-E-1-D MSD
Matrix: Water
Analysis Batch: 256829

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 256685

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	1.2	J	80.0	92.5		ug/L		114	80 - 120	0	20
Beryllium	ND		80.0	86.1		ug/L		108	80 - 120	1	20
Cadmium	0.14	J	80.0	78.1		ug/L		98	80 - 120	0	20
Thallium	ND		80.0	77.3		ug/L		97	80 - 120	1	20

QC Association Summary

Client: Encina Wastewater Authority
Project/Site: CWRF Annual Effluent

Job ID: 570-106229-1

Metals

Prep Batch: 256685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-106229-1	CWRF Annual Effluent	Total Recoverable	Water	200.8	
MB 570-256685/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 570-256685/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 570-256685/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	
570-105964-E-1-C MS	Matrix Spike	Total Recoverable	Water	200.8	
570-105964-E-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.8	

Analysis Batch: 256829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-106229-1	CWRF Annual Effluent	Total Recoverable	Water	200.8	256685
MB 570-256685/1-A	Method Blank	Total Recoverable	Water	200.8	256685
LCS 570-256685/2-A	Lab Control Sample	Total Recoverable	Water	200.8	256685
LCSD 570-256685/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	256685
570-105964-E-1-C MS	Matrix Spike	Total Recoverable	Water	200.8	256685
570-105964-E-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.8	256685

Lab Chronicle

Client: Encina Wastewater Authority
Project/Site: CWRF Annual Effluent

Job ID: 570-106229-1

Client Sample ID: CWRF Annual Effluent

Date Collected: 08/10/22 07:05
Date Received: 08/11/22 19:11

Lab Sample ID: 570-106229-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			50 mL	50 mL	256685	08/15/22 07:02	JP8N	EET CAL 4
Total Recoverable	Analysis	200.8		1			256829	08/15/22 11:40	Y2WS	EET CAL 4
	Instrument ID: ICPMS09									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Encina Wastewater Authority
Project/Site: CWRF Annual Effluent

Job ID: 570-106229-1

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-23

Method Summary

Client: Encina Wastewater Authority
Project/Site: CWRF Annual Effluent

Job ID: 570-106229-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET CAL 4
200.8	Preparation, Total Recoverable Metals	EPA	EET CAL 4

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Encina Wastewater Authority
Project/Site: CWRF Annual Effluent

Job ID: 570-106229-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-106229-1	CWRF Annual Effluent	Water	08/10/22 07:05	08/11/22 19:11

Eurofins Calscience Irvine
17461 Derian Ave Suite 100
Irvine, CA 92614-5817
Phone (949) 261-1022 Fax (949) 260-3297

Chain of Custody Record

eurofins Environment Testing America

106229

Client Information	Sampler: DM	Lab PM: Janice Hsu	Carrier Tracking No(s):	COC No:
Client Contact: Jeff Parks	Phone: 760.268 8801	E-Mail: Janice.Hsu@Eurofinset.com		Page: Page 1 of 1
Company: Encina Wastewater Authority				Job #:
Address: 6200 Avenida Encinas	Due Date Requested:			
City: Carlsbad	TAT Requested (days): 14 Days			
State, Zip: California, 92011				
Phone: 760-268-8801	PO #: 2023-0040			
Email: jparks@encinajpa.com	WO #:			
Project Name:	Project #:			

Analysis Requested

Preservation Codes

A - HCL	M - Hexane
B NaOH	N - None
C Zn Acetate	O - AsNaO2
D - Nitric Acid	P Na2O4S
E - NaHSO4	Q - Na2SO3
F MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8 Sb,Be,Cd,Tl	Total Number of containers	Special Instructions/Note:
CWRF Annual Effluent	8/9-10/22	0705	Comp	WW					

570-106229 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	8/11/22 1730	EMA	William Rivera	8/11/22 1730	EC
2	William Rivera	8/11/22 1911	EC	Olga Cindas	8/11/22 1911	EC
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 0.9/1.2: 5C11

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: Encina Wastewater Authority

Job Number: 570-106229-1

Login Number: 106229
List Number: 1
Creator: Cortez Diaz, Antonio

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	False	Refer to Job Narrative for details.
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.	True	
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	

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Report Prepared for:

Kim Tu
Weck Laboratories Inc
14859 Clark Avenue
Industry CA 91745

REPORT OF LABORATORY ANALYSIS FOR PCDD/PCDF

Report Prepared Date:
April 4, 2022

Report Information:

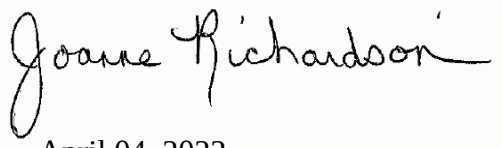
Pace Project #: 10602041
Sample Receipt Date: 03/25/2022
Client Project #: 2C22092
Client Sub PO #: N/A
State Cert #: 2929

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCDD/PCDF Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Joanne Richardson, your Pace Project Manager.

This report has been reviewed by:



April 04, 2022
Joanne Richardson,
(612) 607-6453
(612) 607-6444 (fax)

Report of Laboratory Analysis

Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

DISCUSSION

This report presents the results from the analysis performed on one sample submitted by a representative of Weck Laboratories, Inc. The sample was analyzed for the presence or absence of polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using a modified version of USEPA Method 8290. The estimated detection limits (EDLs) were based on signal-to-noise measurements. Estimated maximum possible concentration (EMPC) values, where present, were treated as positives in the toxic equivalence calculations.

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extract ranged from 52-118%. All of the labeled internal standard recoveries obtained for this project were within the 40-135% target range specified in Method 8290. Since the quantification of the native 2,3,7,8-substituted congeners was based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show that PCDDs and PCDFs were not detected.

A laboratory spike sample was also prepared with the sample batch using clean reference matrix that had been fortified with native standard materials. The results show that the spiked native compounds were recovered at 85-110%. These results were within the target range for the method. Matrix spikes were prepared with the sample batch using sample material from a separate project; results from these analyses will be provided upon request.

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
		Missouri	10100
A2LA	2926.01	Montana	CERT0092
Alabama	40770	Nebraska	NE-OS-18-06
Alaska-DW	MN00064	Nevada	MN00064
Alaska-UST	17-009	New Hampshire	2081
Arizona	AZ0014	New Jersey	MN002
Arkansas - WW	88-0680	New York	11647
Arkansas-DW	MN00064	North Carolina-	27700
California	2929	North Carolina-	530
Colorado	MN00064	North Dakota	R-036
Connecticut	PH-0256	Ohio-DW	41244
Florida	E87605	Ohio-VAP (170	CL101
Georgia	959	Ohio-VAP (180	CL110
Hawaii	MN00064	Oklahoma	9507
Idaho	MN00064	Oregon- rimary	MN300001
Illinois	200011	Oregon-Second	MN200001
Indiana	C-MN-01	Pennsylvania	68-00563
Iowa	368	Puerto Rico	MN00064
Kansas	E-10167	South Carolina	74003
Kentucky-DW	90062	Tennessee	TN02818
Kentucky-WW	90062	Texas	T104704192
Louisiana-DEQ	AI-84596	Utah	MN00064
Louisiana-DW	MN00064	Vermont	VT-027053137
Maine	MN00064	Virginia	460163
Maryland	322	Washington	C486
Michigan	9909	West Virginia-D	382
Minnesota	027-053-137	West Virginia-D	9952C
Minnesota-Ag	via MN 027-053	Wisconsin	999407970
Minnesota-Petr	1240	Wyoming-UST	via A2LA 2926.
Mississippi	MN00064		

REPORT OF LABORATORY ANALYSIS

Report No.....10601872

Appendix A

Sample Management

WECK LABORATORIES, INC.

Subcontract Order

Subcontracted Laboratory:

Pace Analytical Services - Minneapolis MN
1700 Elm St. SE, Suite 200
Minneapolis, MN 55414
Phone: (612) 607-1700
Fax:

Turn Around Time: Normal unless noted in comments
Project Manager: Kim G. Tu
Project Name: Encina WW Authority
Project Number: 2021 Annual CWRF Effluent Priority P
Sampler Employed by:
Drinking Water: Yes / (No)
Need Transfer File (xls): (Yes) / No
Tracking Number:

Work Order: 2C22092

Analysis	Expires	Comments
Sample ID: 2C22092-01/CWRF Effluent 03/21-03/22/21		**Sampled:** 03/22/2022 07:11
Sample comment:		**Matrix:** Water **Sampled By:** Adam Powell
Dioxins/Furans - EPA 8290	03/22/2023 07:11	
Containers Supplied:		

001

WO# : 10602041

10602041

Remarks / Special Comments:

Sample Condition

Temperature: 1.6
Preserved: (Yes) / No
Evidence Seal Intact: Yes / (No)
Container Attacked: Yes / (No)
Preserved at Lab: Yes / (No)

Relinquished By	Date / Time	Received By	Date / Time
[signature]	3/24/22 14:00	Fedex	
		[signature]	03/25/22 8:50

14859 Clark Avenue, City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pace Analytical®	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: **06Jan2022** **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0150 Rev.04**	Pace Analytical Services - **Minneapolis**

Sample Condition Upon Receipt

Client Name: WECK Lab, Inc. **Project #:** **WO#: 10602041**

PM: JMR Due Date: 04/08/22

CLIENT: Weck Laborat

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 7763 9999 4032 **See Exceptions** ☐ ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☑ No **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other:_____ **Temp Blank?** ☑ Yes ☐ No

Thermometer: ☐ T1(0461) ☐ T2(1336) ☐ T3(0459) ☑ T4(0254) ☐ T5(0489) ☐ 01339252/1710 ☐ 122639816 ☐ 140792808 **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

Did Samples Originate in West Virginia? ☐ Yes ☑ No **Were All Container Temps Taken?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:**_____ °C **Average Corrected Temp (no temp blank only):** 1.6 °C ☑ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

Correction Factor: +0.1 **Cooler Temp Corrected w/temp blank:**_____ °C

USDA Regulated Soil: (☑ N/A, water sample/Other:_____) **Date/Initials of Person Examining Contents:** KN 03/25/22

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist ENV-FRM-MIN4-0154 and include with SCUR/COC paperwork.

Location (check one): ☐ Duluth ☑ Minneapolis ☐ Virginia				**COMMENTS:**
Chain of Custody Present and Filled Out?	☑ Yes	☐ No		1.
Chain of Custody Relinquished?	☑ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☐ Yes	☐ No	☑ N/A	3.
Samples Arrived within Hold Time?	☑ Yes	☐ No		4. If Fecal: ☐ <8 hrs ☐ >8hr, <24 hrs, ☐ >24 hrs
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other_____
Rush Turn Around Time Requested?	☐ Yes	☑ No		6.
Sufficient Volume?	☑ Yes	☐ No		7.
Correct Containers Used?	☑ Yes	☐ No		8.
-Pace Containers Used?	☐ Yes	☑ No		
Containers Intact?	☑ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC? Matrix: ☑ Water ☐ Soil ☐ Oil ☐ Other-	☑ Yes	☐ No		11. **If no, write ID/ Date/Time on Container Below:** **See Exception** ☐ ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☐ Yes	☐ No	☑ N/A	☐ NaOH ☐ HNO_3 ☐ H_2SO_4 ☐ Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☑ Yes	☐ No	☐ N/A	Positive for Res. Chlorine? ☐ Yes ☐ No **pH Paper Lot#** **See Exception** ☐ ENV-FRM-MIN4-0142
				Res. Chlorine | 0-6 Roll | 0-6 Strip | 0-14 Strip
Headspace in Methyl Mercury Container?	☐ Yes	☐ No	☑ N/A	
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☑ N/A	13. **See Exception** ☐ ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☐ No	☑ N/A	
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	Pace Trip Blank Lot # (if purchased):_____

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted:_____ Date/Time:_____

Comments/Resolution:_____

Project Manager Review: Joanne Richardson **Date:** 3-25-22

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled by: KN (2)

SCUR Exceptions:

Workorder #: 10602041

Out of Temp Sample IDs	Container Type	# of Containers

PM Notified? ☐Yes ☐No

If yes, indicate who was contacted/date/time.
If no, indicate reason why.

Multiple Cooler Project? ☐Yes ☐No
If you answered yes, fill out information to the left.

No Temp Blank		
Read Temp	Corrected Temp	Average Temp
1.9	2.0	1.6
1.6	1.7	
1.0	1.1	

Tracking Number/Temperature	

Issue Type: Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preserv.	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance after addition?	Initials
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	
								☐Yes ☐No	

Comments:

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Reporting Flags

A = Reporting Limit based on signal to noise (EDL)

B = Less than 10x higher than method blank level

C = Result obtained from confirmation analysis

D = Result obtained from analysis of diluted sample

E = Exceeds calibration range

I = Interferencepresent

J = Estimated value

L = Suppressive interference, analyte may be biased low

Nn = Value obtained from additional analysis

P = PCDEInterference

R = Recovery outside target range

S = Peak saturated

U = Analyte not detected

V = Result verified by confirmation analysis

X = %D Exceeds limits

Y = Calculated using average of daily RFs

* = SeeDiscussion

REPORT OF LABORATORY ANALYSIS

Appendix B

Sample Analysis Summary

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Sample Analysis Results

Client - Weck Laboratories Inc

Client's Sample ID	2C22092-01/ CWRF Effluent		
Lab Sample ID	10602041001		
Filename	U220331A_04		
Injected By	SMT		
Total Amount Extracted	989 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	03/22/2022 07:11
ICAL ID	U220123	Received	03/25/2022 08:50
CCal Filename(s)	U220331A_01 & U220331A_17	Extracted	03/29/2022 13:10
Method Blank ID	BLANK-97697	Analyzed	03/31/2022 10:29

Native Isomers	Conc pg/L	EMPC pg/L	EDL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.68	2,3,7,8-TCDF-13C	2.00	90
Total TCDF	ND	-----	0.68	2,3,7,8-TCDD-13C	2.00	88
				1,2,3,7,8-PeCDF-13C	2.00	89
2,3,7,8-TCDD	ND	-----	1.4	2,3,4,7,8-PeCDF-13C	2.00	104
Total TCDD	ND	-----	1.4	1,2,3,7,8-PeCDD-13C	2.00	118
				1,2,3,4,7,8-HxCDF-13C	2.00	96
1,2,3,7,8-PeCDF	ND	-----	1.7	1,2,3,6,7,8-HxCDF-13C	2.00	52
2,3,4,7,8-PeCDF	ND	-----	0.68	2,3,4,6,7,8-HxCDF-13C	2.00	84
Total PeCDF	ND	-----	0.68	1,2,3,7,8,9-HxCDF-13C	2.00	83
				1,2,3,4,7,8-HxCDD-13C	2.00	90
1,2,3,7,8-PeCDD	ND	-----	1.7	1,2,3,6,7,8-HxCDD-13C	2.00	100
Total PeCDD	ND	-----	1.7	1,2,3,4,6,7,8-HpCDF-13C	2.00	82
				1,2,3,4,7,8,9-HpCDF-13C	2.00	69
1,2,3,4,7,8-HxCDF	ND	-----	1.1	1,2,3,4,6,7,8-HpCDD-13C	2.00	89
1,2,3,6,7,8-HxCDF	ND	-----	1.1	OCDD-13C	4.00	78
2,3,4,6,7,8-HxCDF	ND	-----	1.9			
1,2,3,7,8,9-HxCDF	ND	-----	1.4	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	1.1	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	2.2	2,3,7,8-TCDD-37Cl4	0.20	100
1,2,3,6,7,8-HxCDD	ND	-----	2.5			
1,2,3,7,8,9-HxCDD	ND	-----	2.7			
Total HxCDD	ND	-----	2.2			
1,2,3,4,6,7,8-HpCDF	ND	-----	3.4	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	13	Equivalence: 0.00 pg/L		
Total HpCDF	ND	-----	3.4	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	2.7			
Total HpCDD	ND	-----	2.7			
OCDF	ND	-----	3.8			
OCDD	ND	-----	6.4			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Blank Analysis Results

Lab Sample Name	DFBLKDK		
Lab Sample ID	BLANK-97697	Matrix	Water
Filename	U220331A_03	Dilution	NA
Total Amount Extracted	1000 mL	Extracted	03/29/2022 13:10
ICAL ID	U220123	Analyzed	03/31/2022 09:42
CCal Filename(s)	U220331A_01 & U220331A_17	Injected By	SMT

Native Isomers	Conc pg/L	EMPC pg/L	EDL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.1	2,3,7,8-TCDF-13C	2.00	75
Total TCDF	ND	-----	1.1	2,3,7,8-TCDD-13C	2.00	69
				1,2,3,7,8-PeCDF-13C	2.00	85
2,3,7,8-TCDD	ND	-----	1.7	2,3,4,7,8-PeCDF-13C	2.00	95
Total TCDD	ND	-----	1.7	1,2,3,7,8-PeCDD-13C	2.00	100
				1,2,3,4,7,8-HxCDF-13C	2.00	81
1,2,3,7,8-PeCDF	ND	-----	0.94	1,2,3,6,7,8-HxCDF-13C	2.00	45
2,3,4,7,8-PeCDF	ND	-----	0.70	2,3,4,6,7,8-HxCDF-13C	2.00	77
Total PeCDF	ND	-----	0.70	1,2,3,7,8,9-HxCDF-13C	2.00	66
				1,2,3,4,7,8-HxCDD-13C	2.00	83
1,2,3,7,8-PeCDD	ND	-----	1.7	1,2,3,6,7,8-HxCDD-13C	2.00	92
Total PeCDD	ND	-----	1.7	1,2,3,4,6,7,8-HpCDF-13C	2.00	82
				1,2,3,4,7,8,9-HpCDF-13C	2.00	53
1,2,3,4,7,8-HxCDF	ND	-----	1.6	1,2,3,4,6,7,8-HpCDD-13C	2.00	81
1,2,3,6,7,8-HxCDF	ND	-----	3.2	OCDD-13C	4.00	66
2,3,4,6,7,8-HxCDF	ND	-----	2.0			
1,2,3,7,8,9-HxCDF	ND	-----	2.4	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	1.6	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	2.2	2,3,7,8-TCDD-37Cl4	0.20	77
1,2,3,6,7,8-HxCDD	ND	-----	1.7			
1,2,3,7,8,9-HxCDD	ND	-----	2.6			
Total HxCDD	ND	-----	1.7			
1,2,3,4,6,7,8-HpCDF	ND	-----	2.8	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	9.7	Equivalence: 0.00 pg/L		
Total HpCDF	ND	-----	2.8	(Lower-bound - Using 2005 WHO Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	3.8			
Total HpCDD	ND	-----	3.8			
OCDF	ND	-----	5.6			
OCDD	ND	-----	6.3			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
EDL = Estimated Detection Limit

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Laboratory Control Spike Results

Lab Sample ID	LCS-97698		
Filename	U220331A_11	Matrix	Water
Total Amount Extracted	1000 mL	Dilution	NA
ICAL ID	U220123	Extracted	03/29/2022 13:10
CCal Filename(s)	U220331A_01 & U220331A_17	Analyzed	03/31/2022 15:55
Method Blank ID	BLANK-97697	Injected By	SMT

Native Isomers	**Qs** (ng)	**Qm** (ng)	% Rec.	**Internal Standards**	**ng's Added**	**Percent Recovery**
2,3,7,8-TCDF	0.20	0.18	92	2,3,7,8-TCDF-13C	2.0	83
Total TCDF				2,3,7,8-TCDD-13C	2.0	82
				1,2,3,7,8-PeCDF-13C	2.0	91
2,3,7,8-TCDD	0.20	0.20	99	2,3,4,7,8-PeCDF-13C	2.0	100
Total TCDD				1,2,3,7,8-PeCDD-13C	2.0	113
				1,2,3,4,7,8-HxCDF-13C	2.0	98
1,2,3,7,8-PeCDF	1.0	0.86	86	1,2,3,6,7,8-HxCDF-13C	2.0	46
2,3,4,7,8-PeCDF	1.0	0.85	85	2,3,4,6,7,8-HxCDF-13C	2.0	81
Total PeCDF				1,2,3,7,8,9-HxCDF-13C	2.0	79
				1,2,3,4,7,8-HxCDD-13C	2.0	86
1,2,3,7,8-PeCDD	1.0	0.87	87	1,2,3,6,7,8-HxCDD-13C	2.0	101
Total PeCDD				1,2,3,4,6,7,8-HpCDF-13C	2.0	78
				1,2,3,4,7,8,9-HpCDF-13C	2.0	59
1,2,3,4,7,8-HxCDF	1.0	0.86	86	1,2,3,4,6,7,8-HpCDD-13C	2.0	82
1,2,3,6,7,8-HxCDF	1.0	0.87	87	OCDD-13C	4.0	67
2,3,4,6,7,8-HxCDF	1.0	0.96	96			
1,2,3,7,8,9-HxCDF	1.0	0.92	92	1,2,3,4-TCDD-13C	2.0	NA
Total HxCDF				1,2,3,7,8,9-HxCDD-13C	2.0	NA
1,2,3,4,7,8-HxCDD	1.0	0.99	99	2,3,7,8-TCDD-37Cl4	0.20	96
1,2,3,6,7,8-HxCDD	1.0	0.87	87			
1,2,3,7,8,9-HxCDD	1.0	0.88	88			
Total HxCDD						
1,2,3,4,6,7,8-HpCDF	1.0	0.97	97			
1,2,3,4,7,8,9-HpCDF	1.0	0.91	91			
Total HpCDF						
1,2,3,4,6,7,8-HpCDD	1.0	0.90	90			
Total HpCDD						
OCDF	2.0	1.9	96			
OCDD	2.0	2.2	110			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
R = Recovery outside of target range

Y = RF averaging used in calculations
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

REPORT OF LABORATORY ANALYSIS

Appendix B – Significant Industrial User Listing

Encina Wastewater Authority	Reporting Quarters	Number of Inspections	Agency Monitoring	Self-Monitoring	Limit Violations	Reporting Quarter Status	Flow Rate (GPD)
Bachem Americas, Inc	1		1	2	0	NC	
1271 Avenida Chelsea	2		1	1	0	NC	
Vista, CA 92081	3	1	1	2	0	C	
40 CFR Part 439, Subpart C PSNS	4	1	1	1	0	C	
Pretreatment: settling, pH neutralization, hauling							2,100
Carlsbad Technology	1		2	2	0	C	
5923 Balfour Court	2	1	2	2	0	C	
Carlsbad, CA 92008	3		2	2	0	C	
40 CFR Part 439, Subpart D PSNS	4		2	0	0	NC	
Pretreatment: pH neutralization							1,365
Captek Softgel	1		1	4	5	SNC	
2710 Progress Street	2	4	1	2	3	SNC	
Vista, CA 92081	3		1	1	2	SNC	
40 CFR Part 439, Subpart D PSNS	4	1	1	4	5	SNC	
PT: pH neutralization, settling/clarifier, oil skimmer							30,000
Captek was in Chronic SNC for all four evaluation periods for BOD. See Enforcement Summary and Enforcement Activities section of the Annual Pretreatment Report for additional details.							
CINTAS CORPORATION	1		1	2	1	SNC	
460 West California Avenue	2	3	1	1	3	SNC	
Vista, CA 92084	3		4	2	2	NC	
Industrial Laundry - Local Limits	4		1	1	0	NC	
Pretreatment: settling, dissolved air flotation							60,000
Cintas was in Chronic SNC in the first evaluation period for BOD and in TRC SNC in second evaluation period for BOD. See Enforcement Summary and Enforcement Activities section of the Annual Pretreatment Report for additional details.							
Glanbia	1		1	1	0	C	
2840 Loker Avenue East, Suite #101	2		1	1	0	C	
Carlsbad, CA 92010	3	1	1	1	1	NC	
40 CFR Part 439, Subpart D PSNS	4		1	1	1	NC	
Pretreatment: pH neutralization, settling/clarifier							650
Hollandia	1		1	1	0	C	
622 East Mission Road	2	2	1	1	0	C	
San Marcos, CA 92069	3	1	1	1	0	C	
Dairy & Creamery - Local Limits	4	1	1	1	0	C	
PT: flow equalization, pH neutralization, MBBRs, DAF							40,500
HRE Performance	1		3	1	1	NC	
2611 Commerce Way, Suite D	2		1	2	1	NC	
Vista, CA 92081	3	1	1	1	0	C	
40 CFR Part 433 PSNS	4		1	3	1	NC	
Pretreatment: hauling, recycling							100
All Required certifications were provided.							

Encina Wastewater Authority	Reporting Quarters	Number of Inspections	Agency Monitoring	Self-Monitoring	Limit Violations	Reporting Quarter Status	Flow Rate (GPD)
Hughes Circuits	1		1	2	0	C	
540 South Pacific Street	2		2	2	0	C	
San Marcos, CA 92078	3	1	1	2	0	C	
40 CFR Part 433 PSNS	4		1	1	0	NC	
Pretreatment: pH adjustment, precipitation & settling							14,500
All Required certifications were provided.							
Ionis Manufacturing	1				0	C	
2282 Faraday Avenue	2				0	C	
Carlsbad, CA 92008	3		1	1	0	C	
40 CFR Part 439, Subpart C PSNS	4	1			0	C	
Pretreatment: hauling							380
Javo Beverage Company	1				0	C	
1311 Specialty Drive	2	1			0	C	
Vista, CA 92081	3				0	C	
Beverage Manufacturing- Local Limits	4		1	1	1	NC	
Pretreatment: pH neutralization, clarifier, hauling							43,000
Metal Etch Services	1		1	1	0	C	
1165 Linda Vista Drive, Suite #106	2		1	1	0	C	
San Marcos, CA 92078	3	1	1	1	0	C	
40 CFR Part 433 PSNS	4		1	1	0	C	
Pretreatment: pH neutralization, hauling							360
All Required certifications were provided.							
Natel	1	1	1	2	0	C	
6350 Palomar Oaks Court	2		1	1	0	C	
Carlsbad, CA 92011	3		1	1	0	C	
40 CFR Part 433 PSNS	4		1	1	0	C	
Pretreatment: hauling							500
All Required certifications were provided.							
Natural Alternatives	1		2	2	0	C	
1215 Park Center Drive	2	1	2	2	0	C	
Vista, CA 92081	3		2	2	0	C	
40 CFR Part 439, Subpart D PSNS	4	1	2	2	0	C	
Pretreatment: settling/clarifier							1,187
Natural Alternatives	1		0	0	0	C	
5928 Farnsworth Court	2	1	0	0	0	C	
Carlsbad, CA 92008	3	1	0	0	0	C	
40 CFR Part 439, Subpart D PSNS	4	1	0	0	0	C	
Pretreatment: settling/clarifier							650

Encina Wastewater Authority	Reporting Quarters	Number of Inspections	Agency Monitoring	Self-Monitoring	Limit Violations	Reporting Quarter Status	Flow Rate (GPD)
Premier Nutra Pharma	1	3	0	0	0	C	
5800 Newton Dr	2		0	0	0	NC	
Carlsbad, CA 92008	3		2	0	0	SNC	
40 CFR Part 439, Subpart D PSNS	4		1	2	0	NC	
Pretreatment: settling/clarifier							2,100
In SNC for submitting the 90-Day Compliance Report >30 days late. The report was due on August 5, 2022.							
Primarch Manufacturing	1		1	1	0	C	
1211 Liberty Way, Suite A	2	1	1	1	0	C	
Vista, CA 92083	3		1	1	0	SNC	
40 CFR Part 439, Subpart D PSNS	4		1	1	1	NC	
Pretreatment: settling/clarifier, oil & grease removal							1,115
In TRC SNC for a single acetone monthly average violation (Q4 2022) in the fourth evaluation period. See Enforcement Summary and Enforcement Activities section of the Annual Pretreatment Report for additional details.							
Prudential	1		1	1	0	C	
2485 Ash Street	2	1	1	1	0	C	
Vista, CA 92081	3		1	1	1	NC	
Industrial Laundry - Local Limits	4	1	2	1	0	C	
PT: flow equalization, pH neutralization, settling, DAF							70,000
SeaSpine	1		2	2	0	C	
5770 Armada Drive	2		1	1	0	C	
Carlsbad, CA 92008	3	1	1	1	0	C	
40 CFR Part 433 PSNS	4		1	1	0	C	
Pretreatment: hauling							295
All Required certifications were provided.							
Select Supplements	1	1	2	1	0	C	
2390 Oak Ridge Way	2		1	1	0	C	
Vista, CA 92081	3	1	1	1	0	C	
40 CFR Part 439, Subpart D PSNS	4		1	1	2	NC	
Pretreatment: settling/clarifier							4,300
VERSUM MATERIALS US, LLC.	1		1	1	0	C	
1969 Palomar Oaks Way	2	1	1	1	0	C	
Carlsbad, CA 92011	3		1	1	0	C	
40 CFR Part 433 PSNS	4		1	1	0	C	
Pretreatment: pH neutralization							7,150
All Required certifications were provided.							

EC#	Company/Industry	File Type	Date	Notes	Penalty	NR Costs
22-0001	Cintas	NOV	1/6/2022	BOD (1 in 12 months) & TSS (1 in 12 Months)	0	100
22-0012	Cintas	NOV	2/7/2022	BOD (2 in 12 months) FTN (1 in 12 months)	350	100
22-0013	Cintas	NOV	2/7/2022	BOD (3 in 12 months) & FTN (2 in 12 months)	1,500.00	100
22-0014	HRE	NOV	2/8/2022	O/G (1 in12 months)	100.00	100
22-0015	SeaSpine	NOV	2/10/2022	Failed to monitor (1 in 12 months)	1,000.00	100.00
22-0016	Captek	NOV	2/10/2021	BOD (2 in 12 Months) + FTN (1 in 12 months)	350.00	100.00
22-0017	Captek	NOV	2/10/2021	BOD (3 in 12 months) + FTN (2 in 12 months)	1,500.00	100.00
22-0028	Fresh Creative Foods	NOV	4/11/2022	O/G (1 in 12 months)	0.00	100.00
22-0029	Jif Pack	NOV	4/11/2022	BOD and FTN (1 in 12 months)	100.00	100.00
22-0031	Captek	NOV/CS/CM	4/15/2022	NOV for Compliance Meeting Scheduled April 29, Compliance Schedule Issued	0.00	100.00
22-0032	Captek	NOV	4/15/2022	Violations (4-6BOD, 2FTN, & >30 days late Report (x2))	4,250.00	100.00
22-0034	Cintas Corporation	NOV	4/26/2022	Late Report >30 Days	250.00	100.00
22-0035	Cintas Corporation	NOV	4/26/2022	BOD (4 in 12 months)	250.00	100.00
22-0036	HRE	NOV	4/26/2022	1st Late Report (>30 Days Late)	250.00	100.00
22-0038	HRE	NOV	5/9/2022	Failure to Report Additional Monitoring (1 in 12 months)	250.00	100.00
22-0039	Captek	NOV	5/9/2022	Violations (7BOD & 3FTN)	2,000.00	100.00
22-0042	Fresh Creative Foods	NOV	6/14/2022	Ph (5.4), O/G 460 mg/l, FTN (1x)	250.00	200.00
22-0048	Jif Pack	NOV	7/6/2022	O/G (1 in 12 months)	0.00	100.00
22-0050	Cintas	NOV	7/7/2022	BOD (5 in 12 months)	1,000.00	100.00
22-0051	Captek	NOV	7/7/2022	BOD (8, 9, 10 in 12 months)	3,000.00	100.00
22-0056	American Meta Pack Company	NOV	7/25/2022	Late CSR Report	100.00	100.00
22-0057	Anything Liquid	NOV	7/25/2022	Late CSR Report	100.00	100.00
22-0058	Bachem	NOV	7/27/2022	Q1 Di + Tri ethylamine invalid analysis results (Rl > Federal Limit). Q2 Bachem improper Sample type TSS	0.00	100.00
22-0059	HRE	NOV	7/27/2022	Late report (2 in 12 months), O/G Violation (2 in 12 months), FTN (2 in 12 months)	1,250.00	100.00
22-0061	Jif-Pak	NOV	8/4/2022	OG (2 in 12 months)	250.00	100.00
22-0062	Fresh Creative Foods	NOV	8/9/2022	BOD (1 in 12 months)	250.00	100.00
22-0063	Cintas	NOV	8/9/2022	BOD (6 in 12 months)	2,000.00	100.00
22-0064	Cintas	NOV	8/9/2022	BOD (7 in 12 months)	1,000.00	100.00
22-0065	Cintas	NOV	8/9/2022	Complete Failure to Monitor Q2	1,000.00	100.00
22-0066	Lancer Orthodontics	NOV	8/10/2022	Late CSR Report	100.00	100.00
22-0068	Cintas	NOV	8/15/2022	Late Report (1 in 12 months)	100.00	100.00
22-0069	Prudential	NOV	8/16/2022	TSS (1 in 12 months)	0.00	100.00
22-0070	Premier Nutra Pharma	NOV	8/17/2022	Complete Failure to Monitor Q2, Late Report, Incomplete Report	2,000.00	100.00
22-0072	Cintas	NOV	8/25/2022	NOV BOD (8 of 12 months)	1,000.00	100.00
22-0073	Cintas	NOV/CS/CM	8/25/2022	NOV for Compliance Meeting Scheduled Sept 8, 2022, Compliance Schedule Issued	0.00	100.00
22-0077	Cintas	NOV	9/1/2022	O/G (1 in 12 months)	0.00	100.00
22-0078	Captek	NOV	9/1/2022	BOD (11 in 12 months)	1,000.00	100.00
22-0079	HRE	NOV	9/12/2022	O/G (3 in 12 months) & VFTN (3 in 12 months)) addl. Monitoring	2,000.00	100.00
22-0080	Jif-Pak	NOV	9/12/2022	O/G (Checkback for 22-0061)(3 in 12 months)	1,000.00	100.00
22-0084	Premier Nutra Pharma	NOV	8/17/2022	Complete Failure to Monitor Q2, >30 Days Late Report, Incomplete Report (1 in 12 months)	2,000.00	100.00
22-0086	Captek	NOV	10/20/2022	BOD (12 in 12 Months) and 4FTN	2,000.00	100.00
22-0087	Jif Pak	NOV	10/24/2022	O/G (4 in 12 months)	250.00	100.00
22-0088	Jif Pak	NOV	10/24/2022	BOD (2 in 12 months)	1,000.00	100.00
22-0090	HRE	NOV	10/25/2022	O/G (4 in 12 months) & Late Report (3 in 12 months)	2,000.00	100.00
22-0092	Premier Nutra Pharma	NOV	12/20/2022	Illegal discharge of Fed Reg IWW without a Permit	11,200.00	0.00
22-0093	SAFC	NOV	12/20/2022	Illegal discharge of Fed Reg IWW without a Permit	33,750.00	0.00
22-0098	Select Supplements	NOV	12/20/2022	pH Violation	-	100.00
				Number of NOVs	**47**	
				Subtotal	**$ 81,750.00**	**4,600.00**
				TOTAL	**$ 86,350.00**	

Appendix C – Non-Significant Categorical Industrial User Listing

Appendix C.

Encina Wastewater Authority 2022 Pretreatment Annual Report

Non-Significant Categorical Industrial Users (NSCIUs)

Gematria Products, Inc.
2260 Rutherford Road, Suite 101
Carlsbad, CA 92008
Category – 40 CFR Part 439

Piercan USA, Inc.
160 Bosstick Boulevard
San Marcos, CA 92069
Category – 40 CFR Part 428

Sabre Sciences
2233 Faraday, Suite K
Carlsbad, CA 92008
Category – 40 CFR Part 439

Seven Manufacturing
1420 Decision Street, Suite C
Vista, CA 92081
Category – 40 CFR Part 439

The GHT Companies
2465 Ash Street
Vista, CA 92081
Category – 40 CFR Part 439

Appendix D – Pretreatment Program Budget

OPERATING EXPENSE SUMMARY: SOURCE CONTROL

PERSONNEL

		Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	% Change
5100	Salaries	$ 500,913	$ 494,861	$ 562,233	$ 452,195	-9%
5200	Benefits	$ 227,929	$ 243,438	$ 165,168	$ 251,508	3%
	Total Personnel Expenses	**$ 728,842**	**$ 738,299**	**$ 727,401**	**$ 703,703**	**-5%**

NON-PERSONNEL

			Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	% Change
40001	5520	Books	$ -	$ 300	$ -	$ -	-100%
40001	5930	Equipment Replacement	$ 1,712	$ 700	$ 284	$ 700	0%
40001	6120	Fuel & Lube	$ 949	$ 2,300	$ 1,100	$ 2,100	-9%
40001	6310	Lab Equipment Repair	$ 4,782	$ 6,200	$ 9,976	$ 6,300	2%
40001	6330	Lab Supplies	$ 86	$ 750	$ 156	$ 750	0%
40001	6410	Laundry & Uniforms	$ 1,699	$ 2,000	$ 1,587	$ 2,000	0%
40001	6422	Legal Notices	$ 386	$ 750	$ -	$ 750	0%
40001	6450	Professional Services	$ 20,990	$ 15,000	$ 2,266	$ 10,000	-33%
40001	7120	Printing & Reproduction	$ -	$ 500	$ -	$ 500	0%
40001	7130	Public Information	$ 2,087	$ 2,000	$ 2,681	$ 2,000	0%
		Total Non-Personnel Expenses	**$ 32,691**	**$ 30,500**	**$ 18,050**	**$ 25,100**	**-18%**

INTERNAL SERVICE FUNDS

		Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	% Change
11001	Administration	$ 106,435	$ 115,617	$ 110,645	$ 124,322	8%
12001	Laboratory	$ 50,747	$ 79,810	$ 56,195	$ 60,000	-25%
13001	Energy Management	$ 2,216	$ 2,281	$ 2,272	$ 2,417	6%
	Total Internal Service Fund Expenses	**$ 159,398**	**$ 197,708**	**$ 169,112**	**$ 186,739**	**-6%**
	Total Operating Expenses	**$ 920,931**	**$ 966,507**	**$ 914,563**	**$ 915,542**	**-5%**

OPERATING EXPENSE SUMMARY: SOURCE CONTROL

PERSONNEL

		Actual FY2021	Budget FY2022	Projected FY2022	Recommended FY2023	% Change
5100	Salaries	$ 577,703	$ 452,195	$ 464,250	$ 464,446	3%
5200	Benefits	$ 195,490	$ 251,508	$ 117,849	$ 168,231	-33%
	Total Personnel Expenses	**$ 773,193**	**$ 703,703**	**$ 582,100**	**$ 632,677**	**-10%**

NON-PERSONNEL

			Actual FY2021	Budget FY2022	Projected FY2022	Recommended FY2023	% Change
40001	5930	Equipment Replacement	$ 382	$ 700	$ 770	$ 1,000	43%
40001	6120	Fuel & Lube	$ 1,369	$ 2,100	$ 980	$ 2,100	0%
40001	6310	Lab Equipment Repair	$ 10,882	$ 6,300	$ 9,790	$ 11,000	75%
40001	6330	Lab Supplies	$ 65	$ 750	$ 1,274	$ 1,600	113%
40001	6410	Laundry & Uniforms	$ 1,731	$ 2,000	$ 1,518	$ 2,000	0%
40001	6422	Legal Notices	$ 386	$ 750	$ 513	$ 750	0%
40001	6450	Professional Services	$ 50,644	$ 10,000	$ 48,500	$ 8,000	-20%
40001	7120	Printing & Reproduction	$ 13	$ 500	$ 250	$ -	-100%
40001	7130	Public Information	$ 2,083	$ 2,000	$ 493	$ 2,000	0%
		Total Non-Personnel Expenses	**$ 67,555**	**$ 25,100**	**$ 64,088**	**$ 28,450**	**13%**

INTERNAL SERVICE FUNDS

		Actual FY2021	Budget FY2022	Projected FY2022	Recommended FY2023	% Change
11001	Administration	$ 112,272	$ 124,322	$ 129,897	$ 155,424	25%
12001	Laboratory	$ 81,598	$ 60,000	$ 62,911	$ 85,801	43%
13001	Energy Management	$ 2,254	$ 2,417	$ 1,861	$ 1,996	-17%
	Total Internal Service Fund Expenses	**$ 196,124**	**$ 186,739**	**$ 194,669**	**$ 243,221**	**30%**
	Total Operating Expenses	**$ 1,036,872**	**$ 915,542**	**$ 840,857**	**$ 904,348**	**-1%**

Appendix E – SNC Publication

PROOF OF PUBLICATION
(2010 & 2011 C.C.P.)

STATE OF CALIFORNIA
County of San Diego

I am a citizen of the United States and a resident of the County aforesaid: I am over the age of eighteen years and not a party to or interested in the above-entitled matter. I am the principal clerk of the printer of

The San Diego Union Tribune

Formerly known as the North County Times and UT North County and which newspaper has been adjudicated as a newspaper of general circulation by the Superior Court of the County of San Diego, State of California, for the City of Oceanside and the City of Escondido, Court Decree numbers 171349 & 172171, for the County of San Diego, that the notice of which the annexed is a printed copy (set in type not smaller than nonpariel), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

February 27th, 2023

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Dated at **Temecula, California this 27th, day of February, 2023**

Jane Allshouse

Jane Allshouse – Legal Advertising
The San Diego Union Tribune

PUBLIC NOTICE

INDUSTRIAL USERS IN SIGNIFICANT NON-COMPLIANCE WITH SEWER DISCHARGE REQUIREMENTS

For the period from January 1, 2022 through December 31, 2022, the following INDUSTRIAL USERS, located in the Encina Wastewater Authority service area, were found to be in Significant Non-Compliance for exceeding applicable discharge limits or failing to meet reporting requirements, based on statistical criteria established by EPA and set forth at 40 CFR Part 403.8(f)(2)(viii). For further information please contact Alicia Appel, Encina Wastewater Authority Director of Environmental Compliance at (760) 438-3941, extension 3600.

Industry	Address	Pollutant/Other
Captek Softgel International, Inc.	2710 Progress St., Vista, CA 92081	Biochemical Oxygen Demand and Missed Interim Compliance Schedule Date
Cintas Corporation	460 West California Ave, Vista, CA 92084	Biochemical Oxygen Demand
Premier Nutra Pharma	5800 Newton Drive, Carlsbad, CA 92008	90 Compliance Report (> 30 days late)
Primarch Manufacturing, Inc.	1211 Liberty Way, Vista, CA 92083	Acetone

MACHADO

FROM A1

has been for everybody in the clubhouse. That's the guy that everyone's kind of relied on and counted on him. When he's in the lineup, you feel pretty good about your chances to win. So imagining what it'd be like with all these great players and not him wouldn't be the same, so I'm super stoked."

Machado, 30, played in his second spring training game Sunday afternoon and for the second time had two hits.

When he signed as a free agent in February 2019, Machado and his agent, Dan Lozano, acquired the ability for Machado to opt out of his 10-year, $300 million contract following the 2023 season. And Machado had said he would do so absent a new deal.

Machado in December set a deadline of Feb. 16 for a new contract to get done. The Padres offered him a five-year extension worth $105 million on Feb. 14. On Feb. 18, Machado confirmed he wanted to focus on the season and not negotiations.

Padres Chairman Peter Seidler said last week that Machado was his "top priority." The sides continued to talk, and a deal was struck that, when completed, will have earned Machado $500 million over 15 total years with the Padres.

Machado's contract is the fourth in the past six months the Padres have awarded that has a nine-figure total value, following Musgrove's five-year, $100 million deal signed in August, Xander Bogaerts signing for 11 years and $280 million in December, and Yu Darvish's reworked deal for six years and $108 million.

K.C. ALFRED U-T

San Diego Padres third baseman Manny Machado greets Jake Cronenworth (left) and Xander Bogaerts before Sunday's spring training game against the Arizona Diamondbacks in Peoria, Ariz.

The $31.8 million average annual value of Machado's deal boosts the Padres' commitments in regard to the Competitive Balance Tax by $1.8 million, pushing them past the $273 million third threshold.

They will pay a 50 percent tax on their first $20 million overage beyond $233 million, a 62 percent tax on every dollar from $253 million to $273 million and a 75 percent tax on every dollar over that up to $293 million. A team's CBT payroll is not tallied until the end of the season, so the Padres could still slip below the third threshold.

Machado's average annual value is the third-highest for all third basemen, behind the Angels' Anthony Rendon ($35 million) and Cardinals' Nolan Arenado ($32.5 million). The total value of Machado's contract is the highest for third baseman, $35 million more than the 10-year, $315 million deal Rafael Devers signed with the Red Sox last month. It is the fourth-largest MLB contract in terms of total value.

The team believes the investment in a player who will turn 31 in July is worth it because of his history and what they project as his future.

Machado has not been on the injured list since 2014. His 5,007 plate appearances since the start of the 2015 season are most in the major leagues. In that span, he has played in more games (1,156) than all but Cardinals first baseman Paul Goldschmidt (1,158).

Not only can players now be further preserved by serving as a designated hitter, which became universal in 2022, but recent seasons have indicated Machado is squarely in his prime.

Since 2020, Machado ranks in the top 10 in several performance metrics. He finished third in National League MVP voting in 2020 and second in 2022.

Machado will be chasing significant milestones in the latter years of his career.

He is on track to reach 400 home runs as early as 2026. Machado is also 903 hits from 2,500 for his career.

Of the 29 players to have achieved the 400/2,500 double, just seven are not in the National Baseball Hall of Fame. Two of those players (Adrián Beltré and Albert Pujols) are not yet eligible, one (Miguel Cabrera) is still playing, one (Carlos Beltrán) was eligible for the first time this year and will have to overcome his role in the 2017 Astros cheating scandal, and three (Rafael Palmeiro, Manny Ramirez and Gary Sheffield) have had their candidacies derailed by links to performance enhancing drug use.

There are 18 third basemen in the Hall of Fame, and those men averaged 5.5 WAR — which measures a player's value based on all aspects of the game — per 162 games over their career. Machado's average is 5.8.

The Hall of Fame third basemen have an average career WAR of 68.3, a mark a healthy Machado would likely surpass within four to five years.

"Obviously, I think Goal 1 for him is to win a World Series, as it is for all of us," Padres infielder Jake Cronenworth said. "... But he's got the opportunity to do something special ... and hopefully get to the Hall of Fame. That's one of those things, you don't get to see too many guys do that. To have somebody in your clubhouse that you could potentially play with at the time he gets those achievements is even more special."

kevin.acee@sduniontribune.com

Legal Notices

The San Diego Union-Tribune
Metro and North San Diego | 866-411-4140
The Californian, SW Riverside | 951-251-0329

email: legals@sduniontribune.com | email: legalsnorth@sduniontribune.com | email: legalswr@sduniontribune.com

NOTICE TO CREDITORS OF MAE A. MALONE

Notice is hereby given to the creditors and contingent creditors of MAE A. MALONE ("Decedent"), that all persons having claims against the Decedent are required to mail or deliver a copy to PATRICK S. MALONE, as Trustee of the MAE A. MALONE 2006 TRUST, dated February 15, 2006, as amended, wherein the Decedent was the Settlor, in care of Tamara Reid, Esq., Aguirre Riley, P.C., 427 W. Plumb Lane, Reno, NV 89509, within the later of four (4) months after the first publication of this notice or, if notice is mailed or personally delivered to you, sixty (60) days after the date this notice is mailed or personally delivered to you. A claim form may be obtained from the court clerk.
For your protection, you are encouraged to file your claim by certified mail, with return receipt requested.

Dated this 6 day of February 2023.

/s/ PATRICK S. MALONE
c/o Tamara Reid, Esq.
Aguirre Riley, P.C.
427 W. Plumb Lane
Reno, NV 89509
Tel: 775-376-9477 Fax: 775-964-5346 Email: Tamara@aguirreriley.com
Attorney for Patrick S. Malone

SWEETWATER AUTHORITY – NOTICE OF PUBLIC HEARING

Fixing Compensation for Members of the Governing Board

Notice is hereby given that the Governing Board of Sweetwater Authority will conduct a public hearing, as part of the Regular Meeting of the Board, on March 8, 2023, at 6:00 P.M., to consider increasing its per diem compensation to Directors from $150 to $200. The meeting will be held both in person at 505 Garrett Avenue, Chula Vista, California 91910 and via teleconference. The Board will hold the public hearing in order to receive oral and written testimony regarding the proposed adoption of Resolution No. 23-06. Instructions for members of the public to observe the Board meeting and the public hearing in person or via teleconference will be included in the March 8, 2023 meeting agenda.

Members of the public who wish to address the Governing Board on this item may submit written testimony for receipt no later than 5:00 pm on March 8, 2023 (with a reading limit of no more than 3 minutes), by one of the following methods: 1. By going to www.sweetwater.org, click on the "HOW DO I…" at the top of the page, and then click on the "Public Comment" link in the Contact section; OR 2. By physically depositing your public comment in the Authority's payment drop box located in the public parking lot at the Authority's Administrative Office; or at 505 Garrett Avenue, Chula Vista; OR 3. Mailing your comments to 505 Garrett Avenue, Chula Vista, CA 91910 [Attention: Public Comment]. All written testimony will be read aloud to the Board during the Public Hearing. Members of the public may also provide oral testimony during the Public Hearing via teleconference by following the instructions for public comment included in the March 8, 2023 meeting agenda. These public comment procedures supersede the Authority's standard public comment policies and procedures to the contrary.

Upon the conclusion of the public hearing, the Governing Board will consider adoption of proposed Resolution No. 23-06, which would increase the amount of compensation for members of the Governing Board and amend Policy 510 of the Policies & Procedures for the Governing Board to reflect this increase in compensation effective July 1, 2023. Copies of proposed Resolution No. 23-06 will be made available upon posting of the agenda for the March 8, 2023 Regular meeting of the Board, by calling the Board Secretary at (619) 409-6703, sending an email to boardsecretary@sweetwater.org, or at the Authority's web site: www.sweetwater.org.

NOTICE OF PETITION TO ADMINISTER ESTATE OF: DEAN VERHEYEN
CASE NO. 37-2023-00004640-PR-LA-CTL

To all heirs, beneficiaries, creditors, contingent creditors, and persons who may otherwise be interested in the will or estate, or both, of: **DEAN VERHEYEN**
A **Petition for Probate** has been filed by **HILLARY HOPE VERHEYEN** in the Superior Court of California, County of **SAN DIEGO** .
The Petition for Probate requests that **HILLARY HOPE VERHEYEN** be appointed as personal representative to administer the estate of the decedent.
The petition requests authority to administer the estate under the Independent Administration of Estates Act. (This authority will allow the personal representative to take many actions without obtaining court approval. Before taking certain very important actions, however, the personal representative will be required to give notice to interested persons unless they have waived notice or consented to the proposed action.) The independent administration authority will be granted unless an interested person files an objection to the petition and shows good cause why the court should not grant the authority.
A hearing on the petition will be held in this court as follows:
Date: **3/16/2023** Time: **1:30PM** Dept.: **503**
Address of court: **1100 UNION STREET SAN DIEGO CA 92101**
Branch Name: **CENTRAL COURTHOUSE - PROBATE DIVISION**
If you object to the granting of the petition, you should appear at the hearing and state your objections or file written objections with the court before the hearing. Your appearance may be in person or by your attorney.
If you are a creditor or a contingent creditor of the decedent, you must file your claim with the court and mail a copy to the personal representative appointed by the court within the **later** of either (1) **four months** from the date of first issuance of letters to a general personal representative, as defined in section 58(b) of the California Probate Code, or (2) **60 days** from the date of mailing or personal delivery to you of a notice under section 9052 of the California Probate Code. **Other California statutes and legal authority may affect your rights as a creditor. You may want to consult with an attorney knowledgeable in California law.**
You may examine the file kept by the court. If you are a person interested in the estate, you may file with the court a Request for Special Notice (form DE-154) of the filing of an inventory and appraisal of estate assets or of any petition or account as provided in Probate Code section 1250. A Request for Special Notice form is available from the court clerk.
ATTORNEY FOR PETITIONER: JEFFREY A. CHRISTERSON
311 BONITA DRIVE, APTOS, CA, 95003, 831-662-8444
02/27/23, 02/28/23, 03/06/23
7918374 VISTA

NOTICE OF PETITION TO ADMINISTER ESTATE OF: LAURA MAYE SHEEHAN
CASE NO. 37-2022-00051833-PR-LA-CTL

To all heirs, beneficiaries, creditors, contingent creditors, and persons who may otherwise be interested in the will or estate, or both, of: **LAURA MAYE SHEEHAN**
A **Petition for Probate** has been filed by **KATHLEEN M. SHEEHAN** in the Superior Court of California, County of **SAN DIEGO**.
The Petition for Probate requests that **KATHLEEN M. SHEEHAN** be appointed as personal representative to administer the estate of the decedent.
The petition requests authority to administer the estate under the Independent Administration of Estates Act. (This authority will allow the personal representative to take many actions without obtaining court approval. Before taking certain very important actions, however, the personal representative will be required to give notice to interested persons unless they have waived notice or consented to the proposed action.) The independent administration authority will be granted unless an interested person files an objection to the petition and shows good cause why the court should not grant the authority.
A hearing on the petition will be held in this court as follows:
Date: **03/15/2023** Time: **1:30 PM** Dept.: **502**
Address of court: **1100 Union Street, San Diego, CA 92101**
Branch Name: **Central Courthouse. Court appearances may be made either in person or virtually, unless otherwise ordered by the Court. Virtual appearances must be made using the department's Microsoft Teams ("MS Teams") video link; or by calling the department's MS Teams conference phone number and using the assigned conference ID number. The MS Teams video conference links and phone numbers can be found at www.sdcourt.ca.gov/ProbateHearings.**
If you object to the granting of the petition, you should appear at the hearing and state your objections or file written objections with the court before the hearing. Your appearance may be in person or by your attorney.
If you are a creditor or a contingent creditor of the decedent, you must file your claim with the court and mail a copy to the personal representative appointed by the court within the **later** of either (1) **four months** from the date of first issuance of letters to a general personal representative, as defined in section 58(b) of the California Probate Code, or (2) **60 days** from the date of mailing or personal delivery to you of a notice under section 9052 of the California Probate Code. **Other California statutes and legal authority may affect your rights as a creditor. You may want to consult with an attorney knowledgeable in California law.**
You may examine the file kept by the court. If you are a person interested in the estate, you may file with the court a Request for Special Notice (form DE-154) of the filing of an inventory and appraisal of estate assets or of any petition or account as provided in Probate Code section 1250. A Request for Special Notice form is available from the court clerk.
ATTORNEY FOR PETITIONER: DANIEL E. PASSMORE
630 ALTA VISTA DRIVE, SUITE 106, VISTA, CA, 92084, (760) 724-2103
02/20/23, 02/21/23, 02/27/23
7917175

NOTICE OF PETITION TO ADMINISTER ESTATE OF: HOAT D. LE
CASE NO. 37-2022-00050242-PR-PW-CTL

To all heirs, beneficiaries, creditors, contingent creditors, and persons who may otherwise be interested in the will or estate, or both, of: **HOAT D. LE**
A **Petition for Probate** has been filed by **SANDRA W. LEW** in the Superior Court of California, County of **SAN DIEGO**.
The Petition for Probate requests that **SANDRA W. LEW** be appointed as personal representative to administer the estate of the decedent.
The petition requests the decedent's will and codicils, if any, be admitted to probate. The will and any codicils are available for examination in the file kept by the court.
The petition requests authority to administer the estate under the Independent Administration of Estates Act. (This authority will allow the personal representative to take many actions without obtaining court approval. Before taking certain very important actions, however, the personal representative will be required to give notice to interested persons unless they have waived notice or consented to the proposed action.) The independent administration authority will be granted unless an interested person files an objection to the petition and shows good cause why the court should not grant the authority.
A hearing on the petition will be held in this court as follows:
Date: **03/09/2023** Time: **1:30 PM** Dept.: **503**
Address of court: **1100 Union Street, San Diego, CA 92101**
Branch Name: **Central Courthouse**
If you object to the granting of the petition, you should appear at the hearing and state your objections or file written objections with the court before the hearing. Your appearance may be in person or by your attorney.
If you are a creditor or a contingent creditor of the decedent, you must file your claim with the court and mail a copy to the personal representative appointed by the court within the **later** of either (1) **four months** from the date of first issuance of letters to a general personal representative, as defined in section 58(b) of the California Probate Code, or (2) **60 days** from the date of mailing or personal delivery to you of a notice under section 9052 of the California Probate Code. **Other California statutes and legal authority may affect your rights as a creditor. You may want to consult with an attorney knowledgeable in California law.**
You may examine the file kept by the court. If you are a person interested in the estate, you may file with the court a Request for Special Notice (form DE-154) of the filing of an inventory and appraisal of estate assets or of any petition or account as provided in Probate Code section 1250. A Request for Special Notice form is available from the court clerk.
PETITIONER: SANDRA W. LEW
11385 MAYAPPLE WAY, SAN DIEGO, CA, 92131, 858-212-5181
02/20/23, 02/21/23, 02/27/23
7917185

NOTICE OF PETITION TO ADMINISTER ESTATE OF: ANTONIO F. VIANNA
CASE NO. 37-2023-00000577-PR-LA-CTL

To all heirs, beneficiaries, creditors, contingent creditors, and persons who may otherwise be interested in the will or estate, or both, of: **ANTONIO F. VIANNA**
A **Petition for Probate** has been filed by **VICTORIA FRIGO** in the Superior Court of California, County of **SAN DIEGO** .
The Petition for Probate requests that **VICTORIA FRIGO** be appointed as personal representative to administer the estate of the decedent.
The petition requests the decedent's will and codicils, if any, be admitted to probate. The will and any codicils are available for examination in the file kept by the court.
The petition requests authority to administer the estate under the Independent Administration of Estates Act. (This authority will allow the personal representative to take many actions without obtaining court approval. Before taking certain very important actions, however, the personal representative will be required to give notice to interested persons unless they have waived notice or consented to the proposed action.) The independent administration authority will be granted unless an interested person files an objection to the petition and shows good cause why the court should not grant the authority.
A hearing on the petition will be held in this court as follows:
Date: **3/15/2023** Time: **1:30 PM** Dept.: **502**
Address of court: **1100 UNION ST SAN DIEGO 92101**
Branch Name: **CENTRAL**
If you object to the granting of the petition, you should appear at the hearing and state your objections or file written objections with the court before the hearing. Your appearance may be in person or by your attorney.
If you are a creditor or a contingent creditor of the decedent, you must file your claim with the court and mail a copy to the personal representative appointed by the court within the **later** of either (1) **four months** from the date of first issuance of letters to a general personal representative, as defined in section 58(b) of the California Probate Code, or (2) **60 days** from the date of mailing or personal delivery to you of a notice under section 9052 of the California Probate Code. **Other California statutes and legal authority may affect your rights as a creditor. You may want to consult with an attorney knowledgeable in California law.**
You may examine the file kept by the court. If you are a person interested in the estate, you may file with the court a Request for Special Notice (form DE-154) of the filing of an inventory and appraisal of estate assets or of any petition or account as provided in Probate Code section 1250. A Request for Special Notice form is available from the court clerk.
ATTORNEY FOR PETITIONER: CARL A. LARSON
5531 CANCHA DE GOLF, STE. 205, RANCHO SANTA FE, CA, 92091, 858-756-3743
02/26/23, 02/27/23, 03/05/23

PUBLIC NOTICE

INDUSTRIAL USERS IN SIGNIFICANT NON-COMPLIANCE WITH SEWER DISCHARGE REQUIREMENTS

For the period from January 1, 2022 through December 31, 2022, the following INDUSTRIAL USERS, located in the Encina Wastewater Authority service area, were found to be in Significant Non-Compliance for exceeding applicable discharge limits or failing to meet reporting requirements, based on statistical criteria established by EPA and set forth at 40 CFR Part 403.8(f)(2)(viii). For further information please contact Alicia Appel, Encina Wastewater Authority Director of Environmental Compliance at (760) 438-3941, extension 3600.

Industry	Address	Pollutant/Other
Captek Softgel International, Inc.	2710 Progress St., Vista, CA 92081	Biochemical Oxygen Demand and Missed Interim Compliance Schedule Date
Cintas Corporation	460 West California Ave, Vista, CA 92084	Biochemical Oxygen Demand
Premier Nutra Pharma	5800 Newton Drive, Carlsbad, CA 92008	90 Compliance Report (> 30 days late)
Primarch Manufacturing, Inc.	1211 Liberty Way, Vista, CA 92083	Acetone