

# Partial List of Approved Test Procedures for Common Wastewater Pollutants



The San José-Santa Clara Regional Wastewater Facility serves the cities of San José, Santa Clara, Milpitas, Cupertino Sanitary District, West Valley Sanitation District (including Campbell, Los Gatos, Monte Sereno, and Saratoga), County Sanitation Districts 2- 3, and Burbank Sanitary District.



Environmental Services

[www.sanjoseca.gov/pretreatment](http://www.sanjoseca.gov/pretreatment)

This list includes common pollutant testing methods that are required for compliance with Industrial Wastewater Discharge Permit conditions. For the complete list of Approved Test Procedures see Title 40 Code of Federal Regulations Part 136.3 unless otherwise noted.

Pollutant/ Parameter	Approved Test Procedures			
	EPA	Standard Methods	ASTM	USGS, AOAC, Other
Antimony–Total <sup>1</sup>	200.5 Rev 4.2 (2003) 200.7 Rev 4.4 (1994) 200.8 Rev 5.4 (1994) 200.9 Rev 5.4 (1994)	3111 B-1999 3113 B-2004 3120 B-1999 3125 B-2009	D1976-07 D5673-05	I-4471-97 993.14
Arsenic–Total <sup>1</sup>	206.5 (Issued 1978) 200.5 Rev 4.2 (2003) 200.8 Rev 5.4 (1994) 200.7 Rev 4.4 (1994)	3114 B or C-2009 3113 B-2004 3120 B-1999 3125 B-2009	D2972-08 (A, B or C) D1976-07 D5673-05	I-3062-85, I-4063-98, 993.14, I-4020-05, I-3084-85
Cadmium–Total <sup>1</sup>	200.5 Rev 4.2 (2003) 200.8 Rev 5.4 (1994) 200.7 Rev 4.4 (1994)	3114 B or C-2009 3113 B-2004 3120 B-1999 3125 B-2009	D3557-02 (07) (A, B or D) D1976-07 (D) D5673-05	I-3135-85 or I-3136-85 I-4138-89 I-1472-85 or I-4471-97
Chromium– Total <sup>1</sup>	200.5 Rev 4.2 (2003) 200.8 Rev 5.4 (1994) 200.7 Rev 4.4 (1994)	3111 B or C-999 3113 B-2004 3120 B-1999 3125 B-2009	D1687-02 (07) (B or C) D1687-02 (C) D1976-07 D5673-05	I-3236-85 I-3233-93 I-4471-97 993.14
Copper–Total <sup>1</sup>	200.5 Rev 4.2 (2003) 200.8 Rev 5.4 (1994) 200.7 Rev 4.4 (1994)	3111 B or C-1999 3113 B-2004 3120 B-1999 3125 B-2009	D1688-95 (A, B or C) D1976-07 (C) D5673-05	I-3270-85 I-4274-89 I-4471-97 993.14
Cyanide–Total	335.4 Rev 1.0 (1993)	4500-CN B-1999 or C-1999 or D-1999 or E-1999	D2036-09 (A) D7284-08	I-3300-85
Flash Point <sup>2</sup>			D 93-79 D 93-80 D 3278-78	

### Approved Test Procedures

Pollutant/ Parameter	Approved Test Procedures			
	EPA	Standard Methods	ASTM	USGS, AOAC, Other
Hydrogen ion (pH)	150.2 (Dec. 1982)	4500 - H+B -2000	D1293 -99 (A or B)	973.41 I-1586-85 I-2587-85
Lead <sup>1</sup>	200.5 Rev 4.2 (2003) 200.8 Rev 5.4 (1994) 200.7 Rev 4.4 (1994)	3111 B or C-1999 3113 B -2004 3120 B -1999 3125 B -2009	D3559 -96 (A, B or D) D1976 -07	I-3399 -85 I-4403 -89 I-4471 -97 993.14 993.14
Mercury <sup>1</sup>	245.1 Rev 3.0 (1994) 245.2 (Issued 1974) 245.7 Rev 2.0 (2005) 1631E	3112 B -2009	D3223 -02 (07)	977.22 I-3462 -85
Nickel <sup>1</sup>	200.5 Rev 4.2 (2003) 200.8 Rev 5.4 (1994) 200.7 Rev 4.4 (1994)	3111 B or C-1999 3113 B -2004 3120 B -1999 3125 B -2009	D1886 -08 (A, B or C) D1976 -07 D5673 -05	I-3499 -85 I-4503 -89 I-4471 -97
Oil and Grease	1664 Rev A 1664 Rev B	5520 B -2001 5520 F -2001		
Pharmaceutical <sup>3</sup>				
Phenols	604 625 1625B	6420 B -2000 6410 B -2000		O-3116 -87
Silver <sup>1</sup>	200.5 Rev 4.2 (2003) 200.8 Rev 5.4 (1994) 200.7 Rev 4.4 (1994)	3111 B or C-1999 3113 B -2004 3120 B -1999 3125 B -2009	D1976 -07 D5676 -05	I-4471 -97 I-4724 -89 I-3720 -85
Total Toxic Organics (TTO) <sup>4</sup>	608 624 625			
Zinc	289.2 (Issued 1978) 200.5 Rev 4.2 (2003) 200.8 Rev 5.4 (1994) 200.7 Rev 4.4 (1994)	3111 B or C-1999 3120 B -1999 3125 B -2009	D1691 -95 (A or B) D1976 -07 D5673 -05	I-3900 -85 I-4471 -97 I-4020 -05

### Footnotes

1. For the determination of total metals (which are equivalent to total recoverable metals) the sample is not filtered before processing. A digestion procedure is required to solubilize analytes in suspended material and to break down organic-metal complexes (see entire Footnote 4 at Title 40 Code of Federal Regulations Part 136.3 Table IB).
2. Flash Point method procedures for determination of the ignitability characteristic in liquid wastes are listed at Title 40 Code of Federal Regulations 261.21(a)(1).
3. Approved Methods for Pharmaceutical Pollutants are listed at Title 40 Code of Federal Regulations Part 136.3 Table IF.
4. For TTO laboratory analysis, do not use methods from SW-846, the Test Methods for Evaluating Solid Waste. If you are unclear about which TTO testing methods are required by your wastewater discharge permit, see Title 40 Code of Federal Regulations Part 136.3 Table IC – List of Approved Test Procedures for Non-Pesticide Organic Compounds and check with your Source Control inspector.

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*In accordance with the Americans with Disabilities Act, City of San José Environmental Services Department materials can be made available upon request in alternative formats, such as Braille, large print, audio-tape, or computer disk. Requests may be made by calling (408) 535-3000 (Voice) or (800) 735-2929 (California Relay Service).*