TABLE 4-9
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Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Potential Source Type[1]	Facility Tracking Number[2]	Geographic Location within Area 3[3]	Activities Associated with Potential COPC Use/Release	COPCs Detected in Soil Vapor[4]	COPCs Detected in Soil[4]	Key COPCs Detected in Groundwater[5]	Other COPCs Detected in Groundwater[6]	Groundwater Monitoring Wells Installed[5]	Agency Overseeing Investigation	Investigation Status[7]	Notes
Manufacturing and Chemical Storage	1	SW	Manufacturing	PCE, TCE, other chlorinated VOCs, BTEX	TCE	**PCE, TCE, cis 1,2-DCE, 1,2,3-TCP, carbon tetrachloride**	**1,1-DCE,** 1,4-dioxane	W12ASMW1 W12ASMW2 W12ASMW3	LARWQCB	Open	---
Manufacturing and Chemical Storage	2	SW	Miscellaneous manufacturing	PCE, TCE, other chlorinated VOCs, BTEX	chlorinated VOCs, BTEX, TPH	---	---	None	LARWQCB	Open	---
Manufacturing and Chemical Storage	3	SW	Former industrial activity	PCE, TCE, other chlorinated VOCs	---	**PCE, TCE,** cis 1,2-DCE, **carbon tetrachloride**	1,1-DCE, **1,2-DCA**	W12CVMW3 W12CVMW4 W12CVMW5	LARWQCB	Open	---
Manufacturing and Chemical Storage	4	SW	Metals processing	PCE, TCE	metals	**PCE, TCE,** cis 1,2-DCE, **1,2,3-TCP, carbon tetrachloride**	None	W12CPMW1	LARWQCB	Open	---
Manufacturing and Chemical Storage	5	SW	Machine shop and lithography	PCE, TCE, other chlorinated VOCs	---	**PCE, TCE,** cis 1,2-DCE,	None	W12CW202	LARWQCB	Open	---
Manufacturing and Chemical Storage	6	SW	Metals processing	PCE, TCE	PCE, TCE	**PCE, TCE,** cis 1,2-DCE, **carbon tetrachloride**	1,1-DCE	W12IWMW1	LARWQCB	Open	---
Manufacturing and Chemical Storage	7	SW	Manufacturing	PCE, TCE, other chlorinated VOCs	---	PCE, TCE, **1,2,3-TCP,** perchlorate	**1,1-DCE,** toluene	W12RDFW1	LARWQCB	Open	---
Manufacturing and Chemical Storage	8	SW	Metals finishing	PCE, TCE, carbon tetrachloride, other chlorinated VOCs, BTEX	TCE	**PCE, TCE, cis-1,2-DCE**	1,1-DCE, **1,4-dioxane**, toluene	W12PMMW1	LARWQCB	Open	---
Manufacturing and Chemical Storage	10	SW	Lumber and furniture manufacturing	PCE, TCE	PCE	**PCE, TCE, cis 1,2-DCE**	**1,1-DCE**	W12USMW1	LARWQCB	Open	---
Manufacturing and Chemical Storage	11	SW	Lumber and furniture manufacturing	PCE, TCE	PCE	---	---	None	LARWQCB	Open	---
Manufacturing and Chemical Storage	12	SW	Manufacture of traffic signal parts, painting and degreasing	1,1-DCE, 1,1-DCA, 1,1,1-TCA	---	---	---	None	LARWQCB	Open	---
Manufacturing and Chemical Storage	13	SW	Industrial dry cleaning, machine shop operations, steel manufacturing	PCE	---	---	---	None	LARWQCB	Open	---

Notes:
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[2]See Figure 4-8 for facility location.
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[5]See Table 4-8 and E-1 for groundwater data collected at specific monitoring wells. Concentrations of COPCs listed in bold text exceeded the most protective evaluation criterion.
[6]See Figure 2-1 for well locations and Tables D-1 and D-4 for well screened interval.
[7]Open = Facility has collected data to characterize subsurface contamination or facility may require further investigation to determine extent of contamination.
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Bold text identifies COPCs detected at concentrations in excess of the evaluation criteria.

BTEX - benzene, toluene, ethylbenzene, xylene
cis-1,2-DCE = cis-1,2-dichloroethene
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1,2-DCA = 1,2-dichloroethane
1,1-DCE = 1,1-dichloroethene
Key COPCs = PCE, TCE, cis-1,2-DCE, 1,2,3-TCP, carbon tetrachloride, perchlorate, and nitrate
MTBE = methyl tertiary butyl ether
PAHs - polyaromatic hydrocarbons
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PCE = tetrachloroethene
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1,1,1-TCA = 1,1,1-trichloroethane
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SVE - soil vapor extraction

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Manufacturing and Chemical Storage	14	SW	Former car dealership	VOCs	---	---	---	None	LARWQCB	Open	---
Manufacturing and Chemical Storage	15	SW	Auto maintenance/repair	VOCs	---	---	---	None	LARWQCB	Open	---
Manufacturing and Chemical Storage	16	SW	Contractor yard and vehicle repair	PCE, TCE, PAHs	---	---	---	None	LARWQCB	Open	---
Manufacturing and Chemical Storage	17	SW	Contractor yard and vehicle repair	PCE, TCE, PAHs	---	---	---	None	LARWQCB	Open	---
Manufacturing and Chemical Storage	18	SW	Former car service station	PCE	---	---	---	None	LARWQCB	Open	---
Manufacturing and Chemical Storage	20	SW	Equipment maintenance/ refurbishing	TCE	TCE, TPH, PCBs	---	---	None	DTSC	Open	---
Manufacturing and Chemical Storage	32	SW	Hazardous waste storage and handling	PCE, TCE, other chlorinated VOCs, BTEX	PCE, other chlorinated VOCs, TPH, metals	**PCE, TCE, cis-1,2-DCE**	**1,1-DCE, methylene chloride**	W12ARMW1 W12ARMW2 W12ARMW3 W12ARMW4	DTSC	Closed	---
Manufacturing and Chemical Storage	22	SW	Dry cleaning operations	PCE, TCE, other chlorinated VOCs	---	**PCE**	None	W12VCGM1	LARWQCB	Open	---
Manufacturing and Chemical Storage	27	SW	Dry cleaning operations	PCE, Freon-12, Freon-22	---	---	---	None	LARWQCB	Open	---
Fuel Handling and Storage Facilities, Car Washes, and Auto Repair Facilities	---	SW	Gas station operations, fuel handling and storage, and automobile repair and washing (Ten sites are located within Area 3).	---	---	---	MTBE and BTEX	---	LARWQCB UST	Open	Groundwater data indicate the presence of only MTBE and BTEX, which are not Key COPCs in Area 3, but data are unavailable to determine whether these sites have analyzed for chlorinated VOCs. Additional data are needed to complete evaluation of fuel sites as potential point sources of contamination.
Redevelopment Sites	---	SW	Former operations of manufactured gas plant--Polycyclic aromatic hydrocarbon contamination was excavated.	PAHs	PAHs	---	---	---	DTSC	Closed	DTSC led the investigations for the four sites in Area 3. No further action determination certified by State.

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Manufacturing and Chemical Storage	29	NW	Dry cleaning operations	PCE	---	---	---	Well installation requested by LARWQCB.	LARWQCB	Open	---
Manufacturing and Chemical Storage	33	NW	Dry cleaning operations	PCE, TCE, cis-1,2-DCE	None	---	---	None	LARWQCB	Open	---
Redevelopment Sites	---	NW	Building construction at middle school--Tested soil for lead contamination	---	Lead	---	---	---	DTSC	Closed	DTSC led the investigations for the four sites in Area 3. No further action determination certified by State.
Manufacturing and Chemical Storage	9	Central	Metals manufacturing	PCE, TCE	None	---	---	None	LARWQCB	Open	---
Manufacturing and Chemical Storage	25	Central	Dry cleaning operations	TCE, PCE	---	---	---	None	LARWQCB	Open	---
Manufacturing and Chemical Storage	26	Central	Dry cleaning operations	PCE	---	---	---	None	LARWQCB	Open	---
Manufacturing and Chemical Storage	28	Central	Dry cleaning operations	PCE, TCE, Freon-22	---	---	---	None	LARWQCB	Open	---
Manufacturing and Chemical Storage	30	Central	Dry cleaning operations	PCE, TCE	---	---	---	None	LARWQCB	Open	---
Manufacturing and Chemical Storage	31	Central	Industrial dry cleaning	PCE, TCE, cis-1,2-DCE, and other chlorinated VOCs	---	---	---	None	LARWQCB	Open	---
Landfills	Alhambra City Solidfill	Central	Landfill operations	---	---	---	---	---	LARWQCB	Open	Landfill reportedly accepted only inert waste.
Landfills	Pasadena City Landfill A	Central	Municipal landfill operations	---	---	---	---	---	LARWQCB	Open	Landfill reportedly accepted only inert waste.
Landfills	Pasadena City Landfill B	Central	Municipal landfill operations	---	---	---	---	---	LARWQCB	Open	Data regarding landfill limited. Additional data are needed to complete evaluation of landfill as a potential point source of contamination.

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Manufacturing and Chemical Storage	19	NE	Vehicle maintenance	PCE, BTEX	TCE, other chlorinated VOCs, BTEX, TPH	**PCE, TCE,** cis 1,2-DCE, nitrate	**1,2-dibromoethane, 1,2-DCA, benzene, toluene,** sulfate	W11TCSW1 W11TCSW2 W11TCSW3 W11TCSW4 W11TCSW5 W11TCSW6 W11TCSW7 W11TCSW9 W11TCSW10 W11TCSW11 W11TCSW12	LARWQCB	Open	---
Manufacturing and Chemical Storage	21	NE	Dry cleaning operations	PCE	PCE	**PCE**	toluene	W12NVJW2, W12NVJW3, W12NVW1R	LARWQCB	Open	---
Manufacturing and Chemical Storage	24	NE	Dry cleaning operations	PCE, other chlorinated VOCs, BTEX	None	---	---	Well installation requested by LARWQCB	LARWQCB	Open	---
Redevelopment Sites	---	NE	Building construction at middle school--Tested soil for lead contamination	---	lead	---	---	---	DTSC	Closed	DTSC led the investigations for the four sites in Area 3. No further action determination certified by State.
Landfills	San Gabriel Valley Landfil	SE	Municipal landfill operations	---	---	---	---	---	LARWQCB	Open	Landfill reportedly accepted only inert waste.
Former Alhambra Airport	---	SE	Former airport operations for nearly 20 years beginning around 1929. No available records to document the nature of oil or other chemicals used; aircraft maintenance and manufacturing	---	---	---	---	---	LARWQCB	Open	Production wells located downgradient of the property show an absence of Key COPCs in groundwater. Likelihood is low that former airport is a source of groundwater contamination in Area 3.
Redevelopment Sites	---	SE	Building construction at high school--Tested soil and soil vapor for metals and VOCs.F16	VOCs	metals and VOCs	---	---	---	DTSC	Closed	DTSC led the investigations for the four sites in Area 3. No further action determination certified by State.
Landfills	Pasadena Landfill	Raymond Basin	Municipal landfill operations	---	---	---	---	---	LARWQCB	Open	Landfill reportedly accepted only inert waste. The actual location of landfill requires clarification.
Landfills	Security Company Landfill	Location in Area 3 unknown	Municipal landfill operations	---	---	---	---	---	LARWQCB	Open	Landfill reportedly accepted only inert waste. The actual location of landfill requires clarification.
Landfills	South Pasadena Landfill	Location in Area 3 unknown	Municipal landfill operations	---	---	---	---	---	LARWQCB	Open	The actual location of landfill requires clarification. If located in Monterey Park, additional data are needed to complete the evaluation of the landfill the potential point source of groundwater contamination in Area 3. If the landfill is located in Sunland, no further evaluation is needed to eliminate the landfill as a potential source of contamination in Area 3.

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