TABLE 4-7
COPCs Detected in Groundwater at Concentrations in Excess of Evaluation Criteria
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

COPC Category	COPC	Evaluation Criterion (µg/L)[a,b,c,d]	Maximum Detected Concentration in Groundwater (µg/L)	Well with Maximum Concentration (Geographic Area)*	General COPC Occurrence (at Concentrations in Excess of Evaluation Criterion) and General COPC Uses	Next Steps
VOCs/SVOCs	benzene	1[b]	790	W11TCSW2 (NE Area 3)	Detected at four monitoring wells.	COPC likely related to specific facility in NE Area 3. The human health risk assessment identifies that benzene does contribute to potential excess cancer risks in NE Area 3. Groundwater monitoring will continue during the feasibility study and the additional data collected by EPA, facilities, and water purveyors will be evaluated to determine the impact of benzene in groundwater underlying Area 3.
	bis(2-ethylhexyl) phthalate	4[b]	310	EPAMW13_02 (Central Area 3)	Detected at one production well and three monitoring wells. Common component of the gloves worn during groundwater sampling.	COPC likely introduced as an artifact of the sample collection process rather than through subsurface releases to groundwater. Will be verified with future data as groundwater sampling and analysis will continue as part of a feasibility study.
	1,2-dibromoethane	0.05[b]	18	W11TCSW2 (NE Area 3)	Detected at one monitoring well. Fumigants and pesticides historically contain this compound.	COPC likely related to specific facility in NE Area 3. Will be verified with future data as groundwater sampling and analysis will continue as part of a feasibility study.
	dibromochloropropane	0.2[b]	1	EPAMW13 (Central Area 3)	Detected at two monitoring wells. Fumigants and pesticides historically contain this compound.	The human health risk assessment identifies that dibromochloropropane does contribute to potential excess cancer risks in Central Area 3. Groundwater monitoring will continue during the feasibility study and the additional data collected by EPA, facilities, and water purveyors will be evaluated to determine the impact of dibromochloropropane in groundwater underlying Area 3.
	1,2-dichloroethane	0.5[b]	110	W11TCSW2 (NE Area 3)	Detected at one monitoring well.	COPC likely related to specific facility in NE Area 3. Will be verified with future data as groundwater sampling and analysis will continue as part of a feasibility study.
	1,1-dichloroethene	6[b]	29.3	W12RDFW1 (SW Area 3)	Detected at five monitoring wells.	COPC likely related to specific facility in SW Area 3. Will be verified with future data as groundwater sampling and analysis will continue as part of a feasibility study.
	1,4-dioxane	3[d]	16.5	W12PMMW1 (SW Area 3)	Detected at two monitoring wells. Fumigants and pesticides historically contain this compound; commonly associated with solvents.	COPC likely related to specific facility in SW Area 3. Will be verified with future data as groundwater sampling and analysis will continue as part of a feasibility study.
	methylene chloride	5[b]	68.9	W12ARMW1 (SW Area 3)	Detected at two production wells and two monitoring wells. Common laboratory contaminant; used in the extraction process for various organic analyses.	COPC likely introduced as an artifact of the sample analysis process rather than through subsurface releases to groundwater. Will be verified with future data as groundwater sampling and analysis will continue as part of a feasibility study.
	toluene	150[b]	1,900	W11TCSW2 (NE Area 3)	Detected at one monitoring well.	COPC detected at a concentration above the MCL. Will be verified with future data as groundwater sampling and analysis will continue as part of a feasibility study.
	vinyl chloride	0.5[b]	1.1	EPAMW13_01 (Central Area 3)	Detected at one monitoring well.	COPC detected at a concentration above the MCL. Will be verified with future data as groundwater sampling and analysis will continue as part of a feasibility study.
Pesticides/ Herbicides	bolero	1[b]	1.3	01901671 (NE Area 3)	Detected at one production well. Bolero (or thiobencarb), an herbicide, is applied to rice crops to control weeds.	COPC detected at a concentration slightly above the MCL. Will be verified with future data as groundwater sampling and analysis will continue as part of a feasibility study.

Notes:
*See Figure 2-1 for the geographic areas in Area 3.
[a]United States Environmental Protection Agency (EPA) MCL.
[b]California MCL.
[c]California secondary MCL.
[d]California Department of Public Health NL.
[e]California Toxics Rule for Aquatic Life Protection established maximum

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Inorganics	arsenic	10[a]	30	EPAMW15_04 (Central Area 3)	Detected at one monitoring well.	Limited data set precludes a complete evaluation of arsenic occurrence. Although the arsenic data set is limited, the human health risk assessment identifies that arsenic does contribute to potential excess cancer risks in SW, Central, and NE Area 3. Groundwater monitoring will continue during the feasibility study and the additional data collected by EPA, facilities, and water purveyors will be evaluated to determine the impact of arsenic in groundwater underlying Area 3.
	hexavalent chromium	11[e]	24.2	EPAMW11 (SW Area 3)	Detected at two monitoring wells. Hexavalent chromium generally is produced by industrial processes; natural occurrence in the environment, although possible, is rare.	Limited data set precludes a complete evaluation of hexavalent chromium occurrence. Although the hexavalent chromium data set is limited, groundwater monitoring will continue during the feasibility study and the additional data collected by EPA, facilities, and the water purveyors will be evaluated to determine the absence of hexavalent chromium in Area 3.
	manganese	50[a]	98	EPAMW12A (Central Area 3)	Detected at four monitoring wells.	Limited data set precludes a complete evaluation of manganese occurrence. Although the manganese data set is limited, groundwater monitoring will continue during the feasibility study and the additional data collected by EPA, facilities, and the water purveyors will be evaluated to determine the absence of manganese in Area 3.
	nitrite (as N)	1[b]	1.5	01900514 (SE Area 3)	Detected at two production wells. Nitrite is a short-lived intermediary product in the transformation of nitrate to nitrogen gas.	As a short-lived intermediary product, significant accumulation of nitrite in an aquifer is unlikely. COPC does not present any potential risks and therefore is eliminated from further consideration.
	sulfate	250[c]	340	01901672 (Central Area 3)	Detected at one production well and one monitoring well.	COPC detected at a concentration slightly above the MCL. COPC does not contribute to potential risks and therefore is eliminated from further consideration.
	total dissolved solids (TDS)	500[a]	700	01901672 (Central Area 3)	Detected at one production well and four monitoring wells.	TDS concentrations in groundwater commonly exceed the MCL in the San Gabriel Basin. The feasibility study will consider the presence of TDS.

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[e]California Toxics Rule for Aquatic Life Protection established maximum