No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING
SUMMARY OF LABORATORY DATA
12/30/2019 - 1/5/2020
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE

Target Chemicals	STATION ID					Comparison Criteria (µg/m^3)[1]	Detection Exceeds Comparison
	FR-AA-01						
	12/30-12/31/2019	12/31/2019	1/2-1/3/2020	1/3-1/4/2020	1/4-1/5/2020		
	24 Hours	Daytime	24 Hours	24 Hours	24 Hours		
	Concentration (µg/m^3)						
Volatile Organic Compounds							
Acetone	< 8.4	< 7.5	21	22	14	31,000	No
Benzene	< 0.84	< 0.75	1.7	2.4	1.6	19	No
1,3 Butadiene	< 0.84	< 0.75	< 0.75	< 0.73	< 0.85	2.0	No
2-Butanone (MEK)	< 1.7	< 1.6	< 1.6	1.6	< 1.8	5,200[3]	No
Bromomethane	< 0.85	< 0.76	< 0.77	< 0.75	< 0.87	78	No
Carbon Disulfide	< 1.7	< 1.6	< 1.6	< 1.5	< 1.8	800	No
Carbon Tetrachloride	< 0.84	< 0.75	< 0.75	< 0.73	< 0.85	190	No
Chloroethane (Ethyl Chloride)	< 0.85	< 0.76	< 0.77	< 0.75	< 0.87	30,000	No
Chloroform	< 0.85	< 0.76	< 0.77	< 0.75	< 0.87	240	No
Chloromethane	< 0.84	< 0.75	< 0.75	< 0.73	< 0.85	410	No
cis-1,2-Dichloroethene	< 0.84	< 0.75	< 0.75	< 0.73	< 0.85	8.3[2]	No
Cumene (isopropylbenzene)	< 0.85	< 0.76	< 0.77	< 0.75	< 0.87	420[3]	No
1,4-Dichlorobenzene	< 0.85	< 0.76	< 0.77	< 0.75	< 0.87	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.85	< 0.76	< 0.77	< 0.75	< 0.87	79	No
Dichloromethane (Methylene Chloride)	< 0.84	< 0.75	2.0	3.2	< 0.85	1,000	No
1,2-Dichloropropane	< 0.85	< 0.76	< 0.77	< 0.75	< 0.87	32	No
1,4-Dioxane	< 0.85	< 0.76	< 0.77	< 0.75	< 0.87	720	No
Ethylbenzene	< 0.85	< 0.76	< 0.77	0.96	< 0.87	8,700	No
n-Hexane	< 0.85	< 0.76	1.3	2.0	1.5	2,100	No
2-Hexanone	< 0.85	< 0.76	< 0.77	< 0.75	< 0.87	31[3]	No
4-Methyl-2-pentanone	< 0.84	< 0.75	< 0.75	< 0.73	< 0.85	3,100[3]	No
Methyl tert-Butyl Ether	< 0.85	< 0.76	< 0.77	< 0.75	< 0.87	2,500	No
Naphthalene	< 0.82	< 0.73	< 0.74	< 0.72	< 0.84	3.7	No
n-Nonane	< 0.85	< 0.76	< 0.77	< 0.75	< 0.87	21[3]	No
Styrene	< 0.84	< 0.75	< 0.75	< 0.73	< 0.85	850	No
1,1,2,2-Tetrachloroethane	< 0.85	< 0.76	< 0.77	< 0.75	< 0.87	83[2]	No
Tetrachloroethene (PCE)	< 0.82	< 0.73	0.84	0.81	< 0.84	41	No
Toluene	< 0.85	< 0.76	6.3	5.5	3.0	300	No
1,1,1-Trichloroethane (TCA)	< 0.85	< 0.76	< 0.77	< 0.75	< 0.87	3,800	No
1,1,2-Trichloroethane (vinyl chloroform)	< 0.085	< 0.076	< 0.077	< 0.075	< 0.087	0.21[3]	No
Trichloroethene (TCE)	< 0.85	< 0.76	< 0.77	< 0.75	< 0.87	2.2	No
Trichlorofluoromethane (CFC 11)	1.3	1.4	1.6	1.3	1.3	1,300[2]	No
Trichlorotrifluoroethane	< 0.85	< 0.76	< 0.77	< 0.75	< 0.87	5,200[3]	No
1,2,4-Trimethylbenzene	< 0.85	< 0.76	< 0.77	0.94	< 0.87	63[3]	No
1,3,5-Trimethylbenzene	< 0.84	< 0.75	< 0.75	< 0.73	< 0.85	63[3]	No
m,p-Xylenes	< 1.7	< 1.6	2.2	3.1	< 1.8	2,600	No
o-Xylene	< 0.85	< 0.76	0.81	1.2	< 0.87	2,600	No
Vinyl Acetate	< 8.5	< 7.6	< 7.7	< 7.5	< 8.7	35	No
Vinyl Chloride	< 0.85	< 0.76	< 0.77	< 0.75	< 0.87	77	No

Notes:
"<" - Analyte not detected in sample above the method reporting limit or method detection limit (MDL) as applicable.
(1) CDC's Agency for Toxic Substances and Disease Registry's (ATSDR) intermediate minimal risk level (MRL) or lower of chronic ATSDR MRL or chronic CalEPA Office of Environmental Heath Hazard Assessment (OEHHA) Reference Exposure Level (REL) when intermediate value not available, as shown in Table 2 of Air Monitoring Plan (unless otherwise noted).
A comparison criteria is a screening level considered to be health protective by state and federal regulatory agencies for airborne chemicals. These levels have a built-in margin of safety; a short-term exposure above a screening level does not mean that adverse health effects will occur.
(2) Department of Toxic Substances Control (DTSC) HERO Note 3 residential screening level (noncancer-based) for air (June 2018).
(3) USEPA Regional Screening Level (noncancer-based) for residential air (May 2018).

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING
SUMMARY OF LABORATORY DATA
12/30/2019 - 1/5/2020
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE

Target Chemicals	STATION ID					Comparison Criteria (µg/m^3)[1]	Detection Exceeds Comparison
	FR-AA-03						
	12/30-12/31/2019	12/31/2019	1/2-1/3/2020	1/3-1/4/2020	1/4-1/5/2020		
	24 Hours	Daytime	24 Hours	24 Hours	24 Hours		
	Concentration (µg/m^3)						
Volatile Organic Compounds							
Acetone	< 7.8	< 7.7	17	22	14	31,000	No
Benzene	< 0.78	< 0.77	1.7	2.6	1.6	19	No
1,3 Butadiene	< 0.78	< 0.77	< 0.77	< 0.76	< 0.73	2.0	No
2-Butanone (MEK)	< 1.6	< 1.6	1.6	1.8	3.7	5,200[3]	No
Bromomethane	< 0.80	< 0.78	< 0.78	< 0.78	< 0.75	78	No
Carbon Disulfide	< 1.6	< 1.6	< 1.6	< 1.6	< 1.5	800	No
Carbon Tetrachloride	< 0.78	< 0.77	< 0.77	< 0.76	< 0.73	190	No
Chloroethane (Ethyl Chloride)	< 0.80	< 0.78	< 0.78	< 0.78	< 0.75	30,000	No
Chloroform	< 0.80	< 0.78	< 0.78	< 0.78	< 0.75	240	No
Chloromethane	< 0.78	< 0.77	< 0.77	< 0.76	< 0.73	410	No
cis-1,2-Dichloroethene	< 0.78	< 0.77	< 0.77	< 0.76	< 0.73	8.3[2]	No
Cumene (isopropylbenzene)	< 0.80	< 0.78	< 0.78	< 0.78	< 0.75	420[3]	No
1,4-Dichlorobenzene	< 0.80	< 0.78	< 0.78	< 0.78	< 0.75	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.80	< 0.78	< 0.78	< 0.78	< 0.75	79	No
Dichloromethane (Methylene Chloride)	< 0.78	< 0.77	0.93	1.1	< 0.73	1,000	No
1,2-Dichloropropane	< 0.80	< 0.78	< 0.78	< 0.78	< 0.75	32	No
1,4-Dioxane	< 0.80	< 0.78	< 0.78	< 0.78	< 0.75	720	No
Ethylbenzene	< 0.80	< 0.78	< 0.78	0.99	< 0.75	8,700	No
n-Hexane	< 0.80	< 0.78	1.1	2.1	1.4	2,100	No
2-Hexanone	< 0.80	< 0.78	< 0.78	< 0.78	< 0.75	31[3]	No
4-Methyl-2-pentanone	< 0.78	< 0.77	< 0.77	< 0.76	< 0.73	3,100[3]	No
Methyl tert-Butyl Ether	< 0.80	< 0.78	< 0.78	< 0.78	< 0.75	2,500	No
Naphthalene	< 0.77	< 0.75	< 0.75	< 0.75	< 0.72	3.7	No
n-Nonane	< 0.80	< 0.78	< 0.78	< 0.78	< 0.75	21[3]	No
Styrene	< 0.78	< 0.77	< 0.77	< 0.76	< 0.73	850	No
1,1,2,2-Tetrachloroethane	< 0.80	< 0.78	< 0.78	< 0.78	< 0.75	83[2]	No
Tetrachloroethene (PCE)	< 0.77	< 0.75	< 0.75	< 0.75	< 0.72	41	No
Toluene	< 0.80	< 0.78	3.0	5.6	3.1	300	No
1,1,1-Trichloroethane (TCA)	< 0.80	< 0.78	< 0.78	< 0.78	< 0.75	3,800	No
1,1,2-Trichloroethane (vinyl chloroform)	< 0.080	< 0.078	< 0.078	< 0.078	< 0.075	0.21[3]	No
Trichloroethene (TCE)	< 0.80	< 0.78	0.81	< 0.78	< 0.75	2.2	No
Trichlorofluoromethane (CFC 11)	1.3	1.4	1.6	1.3	1.3	1,300[2]	No
Trichlorotrifluoroethane	< 0.80	< 0.78	< 0.78	< 0.78	< 0.75	5,200[3]	No
1,2,4-Trimethylbenzene	< 0.80	< 0.78	< 0.78	0.84	< 0.75	63[3]	No
1,3,5-Trimethylbenzene	< 0.78	< 0.77	< 0.77	< 0.76	< 0.73	63[3]	No
m,p-Xylenes	< 1.6	< 1.6	< 1.6	3.0	1.8	2,600	No
o-Xylene	< 0.80	< 0.78	< 0.78	1.2	< 0.75	2,600	No
Vinyl Acetate	< 8.0	< 7.8	< 7.8	< 7.8	< 7.5	35	No
Vinyl Chloride	< 0.80	< 0.78	< 0.78	< 0.78	< 0.75	77	No

Notes:
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A comparison criteria is a screening level considered to be health protective by state and federal regulatory agencies for airborne chemicals. These levels have a built-in margin of safety; a short-term exposure above a screening level does not mean that adverse health effects will occur.
(2) Department of Toxic Substances Control (DTSC) HERO Note 3 residential screening level (noncancer-based) for air (June 2018).
(3) USEPA Regional Screening Level (noncancer-based) for residential air (May 2018).

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING
SUMMARY OF LABORATORY DATA
12/30/2019 - 1/5/2020
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE

Target Chemicals	STATION ID					Comparison Criteria (µg/m^3)[1]	Detection Exceeds Comparison
	FR-AA-05						
	12/30-12/31/2019	12/31/2019	1/2-1/3/2020	1/3-1/4/2020	1/4-1/5/2020		
	24 Hours	Daytime	24 Hours	24 Hours	24 Hours		
	Concentration (µg/m^3)						
Volatile Organic Compounds							
Acetone	< 7.7	< 7.8	16	21	14	31,000	No
Benzene	< 0.77	< 0.78	1.6	2.3	1.5	19	No
1,3 Butadiene	< 0.77	< 0.78	< 0.76	< 0.75	< 0.77	2.0	No
2-Butanone (MEK)	< 1.6	< 1.6	< 1.6	1.8	< 1.6	5,200[3]	No
Bromomethane	< 0.79	< 0.79	< 0.77	< 0.76	< 0.78	78	No
Carbon Disulfide	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	800	No
Carbon Tetrachloride	< 0.77	< 0.78	< 0.76	< 0.75	< 0.77	190	No
Chloroethane (Ethyl Chloride)	< 0.79	< 0.79	< 0.77	< 0.76	< 0.78	30,000	No
Chloroform	< 0.79	< 0.79	< 0.77	< 0.76	< 0.78	240	No
Chloromethane	< 0.77	< 0.78	< 0.76	< 0.75	< 0.77	410	No
cis-1,2-Dichloroethene	< 0.77	< 0.78	< 0.76	< 0.75	< 0.77	8.3[2]	No
Cumene (isopropylbenzene)	< 0.79	< 0.79	< 0.77	< 0.76	< 0.78	420[3]	No
1,4-Dichlorobenzene	< 0.79	< 0.79	< 0.77	< 0.76	< 0.78	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.79	< 0.79	< 0.77	< 0.76	< 0.78	79	No
Dichloromethane (Methylene Chloride)	< 0.77	< 0.78	0.90	1.0	< 0.77	1,000	No
1,2-Dichloropropane	< 0.79	< 0.79	< 0.77	< 0.76	< 0.78	32	No
1,4-Dioxane	< 0.79	< 0.79	< 0.77	< 0.76	< 0.78	720	No
Ethylbenzene	< 0.79	< 0.79	< 0.77	0.89	< 0.78	8,700	No
n-Hexane	1.4	< 0.79	1.2	1.9	1.3	2,100	No
2-Hexanone	< 0.79	< 0.79	< 0.77	< 0.76	< 0.78	31[3]	No
4-Methyl-2-pentanone	< 0.77	< 0.78	< 0.76	< 0.75	< 0.77	3,100[3]	No
Methyl tert-Butyl Ether	< 0.79	< 0.79	< 0.77	< 0.76	< 0.78	2,500	No
Naphthalene	< 0.76	< 0.76	< 0.74	< 0.73	< 0.75	3.7	No
n-Nonane	< 0.79	< 0.79	< 0.77	< 0.76	< 0.78	21[3]	No
Styrene	< 0.77	< 0.78	< 0.76	< 0.75	< 0.77	850	No
1,1,2,2-Tetrachloroethane	< 0.79	< 0.79	< 0.77	< 0.76	< 0.78	83[2]	No
Tetrachloroethene (PCE)	< 0.76	< 0.76	< 0.74	< 0.73	< 0.75	41	No
Toluene	4.7	< 0.79	3.1	5.1	3.0	300	No
1,1,1-Trichloroethane (TCA)	< 0.79	< 0.79	< 0.77	< 0.76	< 0.78	3,800	No
1,1,2-Trichloroethane (vinyl chloroform)	< 0.079	< 0.079	< 0.077	< 0.076	< 0.078	0.21[3]	No
Trichloroethene (TCE)	< 0.79	< 0.79	0.78	< 0.76	< 0.78	2.2	No
Trichlorofluoromethane (CFC 11)	1.3	1.4	1.5	1.3	1.3	1,300[2]	No
Trichlorotrifluoroethane	< 0.79	< 0.79	< 0.77	< 0.76	< 0.78	5,200[3]	No
1,2,4-Trimethylbenzene	< 0.79	< 0.79	< 0.77	0.78	< 0.78	63[3]	No
1,3,5-Trimethylbenzene	< 0.77	< 0.78	< 0.76	< 0.75	< 0.77	63[3]	No
m,p-Xylenes	< 1.6	< 1.6	1.8	2.8	1.6	2,600	No
o-Xylene	< 0.79	< 0.79	< 0.77	1.1	< 0.78	2,600	No
Vinyl Acetate	< 7.9	< 7.9	< 7.7	< 7.6	< 7.8	35	No
Vinyl Chloride	< 0.79	< 0.79	< 0.77	< 0.76	< 0.78	77	No

Notes:
"<" - Analyte not detected in sample above the method reporting limit or method detection limit (MDL) as applicable.
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A comparison criteria is a screening level considered to be health protective by state and federal regulatory agencies for airborne chemicals. These levels have a built-in margin of safety; a short-term exposure above a screening level does not mean that adverse health effects will occur.
(2) Department of Toxic Substances Control (DTSC) HERO Note 3 residential screening level (noncancer-based) for air (June 2018).
(3) USEPA Regional Screening Level (noncancer-based) for residential air (May 2018).

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING
SUMMARY OF LABORATORY DATA
12/30/2019 - 1/5/2020
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE

Target Chemicals	STATION ID					Comparison Criteria (µg/m^3)[1]	Detection Exceeds Comparison
	FR-AA-06						
	12/30-12/31/2019	12/31/2019	1/2-1/3/2020	1/3-1/4/2020	1/4-1/5/2020		
	24 Hours	Daytime	24 Hours	24 Hours	24 Hours		
	Concentration (µg/m^3)						
Volatile Organic Compounds							
Acetone	< 7.8	< 7.2	26	27	14	31,000	No
Benzene	< 0.78	< 0.72	2.2	2.2	1.5	19	No
1,3 Butadiene	< 0.78	< 0.72	< 0.68	< 0.91	< 0.79	2.0	No
2-Butanone (MEK)	< 1.6	< 1.5	1.9	2.5	< 1.6	5,200[3]	No
Bromomethane	< 0.79	< 0.73	< 0.70	< 0.93	< 0.80	78	No
Carbon Disulfide	< 1.6	< 1.5	< 1.4	< 1.9	< 1.6	800	No
Carbon Tetrachloride	< 0.78	< 0.72	< 0.68	< 0.91	< 0.79	190	No
Chloroethane (Ethyl Chloride)	< 0.79	< 0.73	< 0.70	< 0.93	< 0.80	30,000	No
Chloroform	< 0.79	< 0.73	< 0.70	< 0.93	< 0.80	240	No
Chloromethane	< 0.78	< 0.72	0.71	< 0.91	< 0.79	410	No
cis-1,2-Dichloroethene	< 0.78	< 0.72	< 0.68	< 0.91	< 0.79	8.3[2]	No
Cumene (isopropylbenzene)	< 0.79	< 0.73	< 0.70	< 0.93	< 0.80	420[3]	No
1,4-Dichlorobenzene	< 0.79	< 0.73	< 0.70	< 0.93	< 0.80	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.79	< 0.73	< 0.70	< 0.93	< 0.80	79	No
Dichloromethane (Methylene Chloride)	< 0.78	0.72	1.7	1.2	< 0.79	1,000	No
1,2-Dichloropropane	< 0.79	< 0.73	< 0.70	< 0.93	< 0.80	32	No
1,4-Dioxane	< 0.79	< 0.73	< 0.70	< 0.93	< 0.80	720	No
Ethylbenzene	< 0.79	< 0.73	0.83	< 0.93	< 0.80	8,700	No
n-Hexane	< 0.79	< 0.73	1.9	1.8	1.3	2,100	No
2-Hexanone	< 0.79	< 0.73	< 0.70	< 0.93	< 0.80	31[3]	No
4-Methyl-2-pentanone	< 0.78	< 0.72	< 0.68	< 0.91	< 0.79	3,100[3]	No
Methyl tert-Butyl Ether	< 0.79	< 0.73	< 0.70	< 0.93	< 0.80	2,500	No
Naphthalene	< 0.76	< 0.70	< 0.67	< 0.89	< 0.77	3.7	No
n-Nonane	< 0.79	< 0.73	< 0.70	< 0.93	< 0.80	21[3]	No
Styrene	< 0.78	< 0.72	< 0.68	< 0.91	< 0.79	850	No
1,1,2,2-Tetrachloroethane	< 0.79	< 0.73	< 0.70	< 0.93	< 0.80	83[2]	No
Tetrachloroethene (PCE)	< 0.76	< 0.70	< 0.67	< 0.89	< 0.77	41	No
Toluene	< 0.79	1.4	4.8	4.6	2.9	300	No
1,1,1-Trichloroethane (TCA)	< 0.79	< 0.73	< 0.70	< 0.93	< 0.80	3,800	No
1,1,2-Trichloroethane (vinyl chloroform)	< 0.079	< 0.073	< 0.070	< 0.093	< 0.080	0.21[3]	No
Trichloroethene (TCE)	< 0.79	< 0.73	< 0.70	< 0.93	< 0.80	2.2	No
Trichlorofluoromethane (CFC 11)	1.3	1.4	1.6	1.3	1.3	1,300[2]	No
Trichlorotrifluoroethane	< 0.79	< 0.73	< 0.70	< 0.93	< 0.80	5,200[3]	No
1,2,4-Trimethylbenzene	< 0.79	< 0.73	1.0	< 0.93	< 0.80	63[3]	No
1,3,5-Trimethylbenzene	< 0.78	< 0.72	< 0.68	< 0.91	< 0.79	63[3]	No
m,p-Xylenes	< 1.6	< 1.5	3.0	2.1	< 1.6	2,600	No
o-Xylene	< 0.79	< 0.73	1.1	< 0.93	< 0.80	2,600	No
Vinyl Acetate	< 7.9	< 7.3	< 7.0	< 9.3	< 8.0	35	No
Vinyl Chloride	< 0.79	< 0.73	< 0.70	< 0.93	< 0.80	77	No

Notes:
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(2) Department of Toxic Substances Control (DTSC) HERO Note 3 residential screening level (noncancer-based) for air (June 2018).
(3) USEPA Regional Screening Level (noncancer-based) for residential air (May 2018).