

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING
SUMMARY OF LABORATORY DATA
8/15/2021-8/22/2021
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-01								
	8/15-8/16/2021	8/16-8/17/2021	8/17-8/18/2021	8/18-8/19/2021	8/19-8/20/2021	8/20-8/21/2021	8/21-8/22/2021		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)									
Volatile Organic Compounds									
Acetone	< 7.7	--	14	< 7.7	< 7.7	< 7.3	< 8.2	31,000	No
Benzene	< 0.77	--	< 0.77	< 0.77	< 0.77	< 0.73	< 0.82	19	No
1,3-Butadiene	< 0.77	--	< 0.77	< 0.77	< 0.77	< 0.73	< 0.82	2.0	No
2-Butanone (MEK)	< 1.5	--	< 1.5	< 1.5	< 1.6	< 1.4	< 1.6	5,200 ⁽³⁾	No
Bromomethane	< 0.77	--	< 0.77	< 0.77	< 0.79	< 0.73	< 0.82	78	No
Carbon Disulfide	< 1.5	--	< 1.5	< 1.5	< 1.6	< 1.4	< 1.6	800	No
Carbon Tetrachloride	< 0.75	--	< 0.76	< 0.76	< 0.77	< 0.72	< 0.80	190	No
Chloroethane (Ethyl Chloride)	< 0.77	--	< 0.77	< 0.77	< 0.79	< 0.73	< 0.82	30,000	No
Chloroform	< 0.78	--	< 0.79	< 0.79	< 0.79	< 0.75	< 0.83	240	No
Chloromethane	< 0.77	--	< 0.77	< 0.77	< 0.77	< 0.73	< 0.82	410	No
cis-1,2-Dichloroethene	< 0.77	--	< 0.77	< 0.77	< 0.77	< 0.73	< 0.82	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 0.77	--	< 0.77	< 0.77	< 0.79	< 0.73	< 0.82	420 ⁽³⁾	No
1,4-Dichlorobenzene	< 0.77	--	< 0.77	< 0.77	< 0.79	< 0.73	< 0.82	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.77	--	< 0.77	< 0.77	< 0.79	< 0.73	< 0.82	79	No
Dichloromethane (Methylene Chloride)	1.3	--	< 0.77	< 0.77	< 0.77	< 0.73	< 0.82	1,000	No
1,2-Dichloropropane	< 0.77	--	< 0.77	< 0.77	< 0.79	< 0.73	< 0.82	32	No
1,4-Dioxane	< 0.77	--	< 0.77	< 0.77	< 0.79	< 0.73	< 0.82	720	No
Ethylbenzene	< 0.77	--	< 0.77	< 0.77	< 0.79	< 0.73	< 0.82	8,700	No
n-Hexane	< 0.77	--	< 0.77	< 0.77	< 0.79	< 0.73	< 0.82	2,100	No
2-Hexanone	< 1.5	--	< 1.5	< 1.5	< 0.79	< 1.4	< 1.6	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 1.5	--	< 1.5	< 1.5	< 0.77	< 1.4	< 1.6	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	< 0.77	--	< 0.77	< 0.77	< 0.79	< 0.73	< 0.82	2,500	No
Naphthalene	< 0.77	--	< 0.77	< 0.77	< 0.76	< 0.73	< 0.82	3.7	No
n-Nonane	< 0.78	--	< 0.79	< 0.79	< 0.79	< 0.75	< 0.83	21 ⁽³⁾	No
Styrene	< 0.77	--	< 0.77	< 0.77	< 0.77	< 0.73	< 0.82	850	No
1,1,2,2-Tetrachloroethane	< 0.78	--	< 0.79	< 0.79	< 0.79	< 0.75	< 0.83	83 ⁽²⁾	No
Tetrachloroethene (PCE)	< 0.77	--	< 0.77	< 0.77	< 0.76	< 0.73	< 0.82	41	No
Toluene	< 0.77	--	0.91	< 0.77	< 0.79	0.99	0.86	300	No
1,1,1-Trichloroethane (TCA)	< 0.77	--	< 0.77	< 0.77	< 0.79	< 0.73	< 0.82	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.080	--	< 0.080	< 0.080	< 0.079	< 0.076	< 0.085	0.21 ⁽³⁾	No
Trichloroethene (TCE)	< 0.75	--	< 0.76	< 0.76	< 0.79	< 0.72	< 0.80	2.2	No
Trichlorofluoromethane (CFC 11)	1.3	--	1.2	1.3	1.4	1.5	1.2	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.78	--	< 0.79	< 0.79	< 0.79	< 0.75	< 0.83	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	< 0.77	--	< 0.77	< 0.77	< 0.79	< 0.73	< 0.82	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	< 0.78	--	< 0.79	< 0.79	< 0.77	< 0.75	< 0.83	63 ⁽³⁾	No
m,p-Xylenes	< 1.5	--	1.8	< 1.5	< 1.6	< 1.4	< 1.6	2,600	No
o-Xylene	< 0.78	--	< 0.79	< 0.79	< 0.79	< 0.75	< 0.83	2,600	No
Vinyl Acetate	< 8.1	--	< 8.2	< 8.2	< 7.9	< 7.8	< 8.6	35	No
Vinyl Chloride	< 0.78	--	< 0.79	< 0.79	< 0.79	< 0.75	< 0.83	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 Health 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).

Sample on 8/16-8/17/2021 was rejected due to equipment malfunction.

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING
SUMMARY OF LABORATORY DATA
8/15/2021-8/22/2021
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-02								
	8/15-8/16/2021	8/16-8/17/2021	8/17-8/18/2021	8/18-8/19/2021	8/19-8/20/2021	8/20-8/21/2021	8/21-8/22/2021		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)									
Volatile Organic Compounds									
Acetone	--	< 7.5	7.8	< 7.6	< 7.7	< 7.2	--	31,000	No
Benzene	--	< 0.75	< 0.73	< 0.76	< 0.77	< 0.72	--	19	No
1,3-Butadiene	--	< 0.75	< 0.73	< 0.76	< 0.77	< 0.72	--	2.0	No
2-Butanone (MEK)	--	< 1.5	< 1.4	< 1.5	< 1.6	< 1.4	--	5,200 ⁽³⁾	No
Bromomethane	--	< 0.75	< 0.73	< 0.76	< 0.78	< 0.72	--	78	No
Carbon Disulfide	--	< 1.5	< 1.4	< 1.5	< 1.6	< 1.4	--	800	No
Carbon Tetrachloride	--	< 0.74	< 0.71	< 0.75	< 0.77	< 0.71	--	190	No
Chloroethane (Ethyl Chloride)	--	< 0.75	< 0.73	< 0.76	< 0.78	< 0.72	--	30,000	No
Chloroform	--	< 0.77	< 0.74	< 0.78	< 0.78	< 0.74	--	240	No
Chloromethane	--	< 0.75	< 0.73	< 0.76	< 0.77	< 0.72	--	410	No
cis-1,2-Dichloroethene	--	< 0.75	< 0.73	< 0.76	< 0.77	< 0.72	--	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	--	< 0.75	< 0.73	< 0.76	< 0.78	< 0.72	--	420 ⁽³⁾	No
1,4-Dichlorobenzene	--	< 0.75	< 0.73	< 0.76	< 0.78	< 0.72	--	1,200	No
1,1-Dichloroethene (1,1-DCE)	--	< 0.75	< 0.73	< 0.76	< 0.78	< 0.72	--	79	No
Dichloromethane (Methylene Chloride)	--	< 0.75	< 0.73	< 0.76	< 0.77	< 0.72	--	1,000	No
1,2-Dichloropropane	--	< 0.75	< 0.73	< 0.76	< 0.78	< 0.72	--	32	No
1,4-Dioxane	--	< 0.75	< 0.73	< 0.76	< 0.78	< 0.72	--	720	No
Ethylbenzene	--	< 0.75	< 0.73	< 0.76	< 0.78	< 0.72	--	8,700	No
n-Hexane	--	< 0.75	< 0.73	< 0.76	< 0.78	< 0.72	--	2,100	No
2-Hexanone	--	< 1.5	< 1.4	< 1.5	< 0.78	< 1.4	--	31 ⁽³⁾	No
4-Methyl-2-pentanone	--	< 1.5	< 1.4	< 1.5	< 0.77	< 1.4	--	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	--	< 0.75	< 0.73	< 0.76	< 0.78	< 0.72	--	2,500	No
Naphthalene	--	< 0.75	< 0.73	< 0.76	< 0.75	< 0.72	--	3.7	No
n-Nonane	--	< 0.77	< 0.74	< 0.78	< 0.78	< 0.74	--	21 ⁽³⁾	No
Styrene	--	< 0.75	< 0.73	< 0.76	< 0.77	< 0.72	--	850	No
1,1,2,2-Tetrachloroethane	--	< 0.77	< 0.74	< 0.78	< 0.78	< 0.74	--	83 ⁽²⁾	No
Tetrachloroethene (PCE)	--	< 0.75	< 0.73	< 0.76	< 0.75	< 0.72	--	41	No
Toluene	--	< 0.75	< 0.73	< 0.76	< 0.78	< 0.72	--	300	No
1,1,1-Trichloroethane (TCA)	--	< 0.75	< 0.73	< 0.76	< 0.78	< 0.72	--	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	--	< 0.078	< 0.076	< 0.079	< 0.078	< 0.075	--	0.21 ⁽³⁾	No
Trichloroethene (TCE)	--	< 0.74	< 0.71	< 0.75	< 0.78	< 0.71	--	2.2	No
Trichlorofluoromethane (CFC 11)	--	1.1	1.2	1.4	1.4	1.4	--	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	--	< 0.77	< 0.74	< 0.78	< 0.78	< 0.74	--	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	--	< 0.75	< 0.73	< 0.76	< 0.78	< 0.72	--	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	--	< 0.77	< 0.74	< 0.78	< 0.77	< 0.74	--	63 ⁽³⁾	No
m,p-Xylenes	--	< 1.5	< 1.4	< 1.5	< 1.6	< 1.4	--	2,600	No
o-Xylene	--	< 0.77	< 0.74	< 0.78	< 0.78	< 0.74	--	2,600	No
Vinyl Acetate	--	< 8.0	< 7.7	< 8.1	< 7.8	< 7.6	--	35	No
Vinyl Chloride	--	< 0.77	< 0.74	< 0.78	< 0.78	< 0.74	--	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 Health 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 samples were collected on 8/15-8/16/2021 and 8/21-8/22/2021.

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING
SUMMARY OF LABORATORY DATA
8/15/2021-8/22/2021
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-03								
	8/15-8/16/2021	8/16-8/17/2021	8/17-8/18/2021	8/18-8/19/2021	8/19-8/20/2021	8/20-8/21/2021	8/21-8/22/2021		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)									
Volatle Organic Compounds									
Acetone	< 7.1	< 8.0	< 7.4	< 7.4	< 8.2	< 7.3	7.3	31,000	No
Benzene	< 0.71	< 0.80	< 0.74	< 0.74	< 0.82	< 0.73	< 0.71	19	No
1,3-Butadiene	< 0.71	< 0.80	< 0.74	< 0.74	< 0.82	< 0.73	< 0.71	2.0	No
2-Butanone (MEK)	< 1.4	< 1.5	< 1.4	< 1.4	< 1.7	< 1.4	< 1.4	5,200 ⁽³⁾	No
Bromomethane	< 0.71	< 0.80	< 0.74	< 0.74	< 0.84	< 0.73	< 0.71	78	No
Carbon Disulfide	< 1.4	< 1.5	< 1.4	< 1.4	< 1.7	< 1.4	< 1.4	800	No
Carbon Tetrachloride	< 0.69	< 0.78	< 0.72	< 0.73	< 0.82	< 0.72	< 0.70	190	No
Chloroethane (Ethyl Chloride)	< 0.71	< 0.80	< 0.74	< 0.74	< 0.84	< 0.73	< 0.71	30,000	No
Chloroform	< 0.72	< 0.81	< 0.75	< 0.76	< 0.84	< 0.75	< 0.73	240	No
Chloromethane	< 0.71	< 0.80	< 0.74	< 0.74	< 0.82	< 0.73	< 0.71	410	No
cis-1,2-Dichloroethene	< 0.71	< 0.80	< 0.74	< 0.74	< 0.82	< 0.73	< 0.71	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 0.71	< 0.80	< 0.74	< 0.74	< 0.84	< 0.73	< 0.71	420 ⁽³⁾	No
1,4-Dichlorobenzene	< 0.71	< 0.80	< 0.74	< 0.74	< 0.84	< 0.73	< 0.71	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.71	< 0.80	< 0.74	< 0.74	< 0.84	< 0.73	< 0.71	79	No
Dichloromethane (Methylene Chloride)	1.1	< 0.80	< 0.74	< 0.74	< 0.82	< 0.73	< 0.71	1,000	No
1,2-Dichloropropane	< 0.71	< 0.80	< 0.74	< 0.74	< 0.84	< 0.73	< 0.71	32	No
1,4-Dioxane	< 0.71	< 0.80	< 0.74	< 0.74	< 0.84	< 0.73	< 0.71	720	No
Ethylbenzene	< 0.71	< 0.80	< 0.74	< 0.74	< 0.84	< 0.73	< 0.71	8,700	No
n-Hexane	< 0.71	< 0.80	< 0.74	< 0.74	< 0.84	< 0.73	< 0.71	2,100	No
2-Hexanone	< 1.4	< 1.5	< 1.4	< 1.4	< 0.84	< 1.4	< 1.4	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 1.4	< 1.5	< 1.4	< 1.4	< 0.82	< 1.4	< 1.4	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	< 0.71	< 0.80	< 0.74	< 0.74	< 0.84	< 0.73	< 0.71	2,500	No
Naphthalene	< 0.71	< 0.80	< 0.74	< 0.74	< 0.81	< 0.73	< 0.71	3.7	No
n-Nonane	< 0.72	< 0.81	< 0.75	< 0.76	< 0.84	< 0.75	< 0.73	21 ⁽³⁾	No
Styrene	< 0.71	< 0.80	< 0.74	< 0.74	< 0.82	< 0.73	< 0.71	850	No
1,1,2,2-Tetrachloroethane	< 0.72	< 0.81	< 0.75	< 0.76	< 0.84	< 0.75	< 0.73	83 ⁽²⁾	No
Tetrachloroethene (PCE)	< 0.71	< 0.80	< 0.74	< 0.74	< 0.81	< 0.73	< 0.71	41	No
Toluene	< 0.71	< 0.80	< 0.74	0.75	< 0.84	< 0.73	1.1	300	No
1,1,1-Trichloroethane (TCA)	< 0.71	< 0.80	< 0.74	< 0.74	< 0.84	< 0.73	< 0.71	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.073	< 0.083	< 0.077	< 0.077	< 0.084	< 0.076	< 0.074	0.21 ⁽³⁾	No
Trichloroethene (TCE)	< 0.69	< 0.78	< 0.72	< 0.73	< 0.84	< 0.72	< 0.70	2.2	No
Trichlorofluoromethane (CFC 11)	1.3	1.0	1.3	1.4	1.5	1.3	1.3	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.72	< 0.81	< 0.75	< 0.76	< 0.84	< 0.75	< 0.73	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	< 0.71	< 0.80	< 0.74	< 0.74	< 0.84	< 0.73	< 0.71	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	< 0.72	< 0.81	< 0.75	< 0.76	< 0.82	< 0.75	< 0.73	63 ⁽³⁾	No
m,p-Xylenes	< 1.4	< 1.5	< 1.4	< 1.4	< 1.7	< 1.4	< 1.4	2,600	No
o-Xylene	< 0.72	< 0.81	< 0.75	< 0.76	< 0.84	< 0.75	< 0.73	2,600	No
Vinyl Acetate	< 7.5	< 8.4	< 7.8	< 7.9	< 8.4	< 7.8	< 7.5	35	No
Vinyl Chloride	< 0.72	< 0.81	< 0.75	< 0.76	< 0.84	< 0.75	< 0.73	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).

No concentrations exceeded health-based screening levels

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SUMMARY OF LABORATORY DATA
8/15/2021-8/22/2021
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-04								
	8/15-8/16/2021	8/16-8/17/2021	8/17-8/18/2021	8/18-8/19/2021	8/19-8/20/2021	8/20-8/21/2021	8/21-8/22/2021		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)									
Volatile Organic Compounds									
Acetone	< 8.0	< 8.2	< 7.2	< 7.8	< 7.2	< 7.3	< 7.9	31,000	No
Benzene	< 0.80	< 0.82	< 0.72	< 0.78	< 0.72	< 0.73	< 0.79	19	No
1,3-Butadiene	< 0.80	< 0.82	< 0.72	< 0.78	< 0.72	< 0.73	< 0.79	2.0	No
2-Butanone (MEK)	< 1.5	< 1.6	2.2	< 1.5	< 1.5	< 1.4	< 1.5	5,200 ⁽³⁾	No
Bromomethane	< 0.80	< 0.82	< 0.72	< 0.78	< 0.73	< 0.73	< 0.79	78	No
Carbon Disulfide	< 1.5	< 1.6	< 1.4	< 1.5	< 1.5	< 1.4	< 1.5	800	No
Carbon Tetrachloride	< 0.79	< 0.80	< 0.70	< 0.77	< 0.72	< 0.71	< 0.78	190	No
Chloroethane (Ethyl Chloride)	< 0.80	< 0.82	< 0.72	< 0.78	< 0.73	< 0.73	< 0.79	30,000	No
Chloroform	< 0.82	< 0.83	< 0.73	< 0.80	< 0.73	< 0.74	< 0.81	240	No
Chloromethane	< 0.80	< 0.82	< 0.72	< 0.78	< 0.72	< 0.73	< 0.79	410	No
cis-1,2-Dichloroethene	< 0.80	< 0.82	< 0.72	< 0.78	< 0.72	< 0.73	< 0.79	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 0.80	< 0.82	< 0.72	< 0.78	< 0.73	< 0.73	< 0.79	420 ⁽³⁾	No
1,4-Dichlorobenzene	< 0.80	< 0.82	< 0.72	< 0.78	< 0.73	< 0.73	< 0.79	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.80	< 0.82	< 0.72	< 0.78	< 0.73	< 0.73	< 0.79	79	No
Dichloromethane (Methylene Chloride)	< 0.80	< 0.82	1.1	< 0.78	< 0.72	< 0.73	< 0.79	1,000	No
1,2-Dichloropropane	< 0.80	< 0.82	< 0.72	< 0.78	< 0.73	< 0.73	< 0.79	32	No
1,4-Dioxane	< 0.80	< 0.82	< 0.72	< 0.78	< 0.73	< 0.73	< 0.79	720	No
Ethylbenzene	< 0.80	< 0.82	< 0.72	< 0.78	< 0.73	< 0.73	< 0.79	8,700	No
n-Hexane	< 0.80	< 0.82	< 0.72	< 0.78	< 0.73	< 0.73	< 0.79	2,100	No
2-Hexanone	< 1.5	< 1.6	< 1.4	< 1.5	< 0.73	< 1.4	< 1.5	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 1.5	< 1.6	< 1.4	< 1.5	< 0.72	< 1.4	< 1.5	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	< 0.80	< 0.82	< 0.72	< 0.78	< 0.73	< 0.73	< 0.79	2,500	No
Naphthalene	< 0.80	< 0.82	< 0.72	< 0.78	< 0.71	< 0.73	< 0.79	3.7	No
n-Nonane	< 0.82	< 0.83	< 0.73	< 0.80	< 0.73	< 0.74	< 0.81	21 ⁽³⁾	No
Styrene	< 0.80	< 0.82	< 0.72	< 0.78	< 0.72	< 0.73	< 0.79	850	No
1,1,2,2-Tetrachloroethane	< 0.82	< 0.83	< 0.73	< 0.80	< 0.73	< 0.74	< 0.81	83 ⁽²⁾	No
Tetrachloroethene (PCE)	< 0.80	< 0.82	< 0.72	< 0.78	< 0.71	< 0.73	< 0.79	41	No
Toluene	< 0.80	< 0.82	< 0.72	< 0.78	< 0.73	0.76	0.80	300	No
1,1,1-Trichloroethane (TCA)	< 0.80	< 0.82	< 0.72	< 0.78	< 0.73	< 0.73	< 0.79	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.083	< 0.085	< 0.075	< 0.081	< 0.073	< 0.076	< 0.082	0.21 ⁽³⁾	No
Trichloroethene (TCE)	< 0.79	< 0.80	< 0.70	< 0.77	< 0.73	< 0.71	< 0.78	2.2	No
Trichlorofluoromethane (CFC 11)	1.3	1.1	1.3	1.1	1.5	1.4	1.2	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.82	< 0.83	< 0.73	< 0.80	< 0.73	< 0.74	< 0.81	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	< 0.80	< 0.82	< 0.72	< 0.78	< 0.73	< 0.73	< 0.79	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	< 0.82	< 0.83	< 0.73	< 0.80	< 0.72	< 0.74	< 0.81	63 ⁽³⁾	No
m,p-Xylenes	< 1.5	< 1.6	< 1.4	< 1.5	< 1.5	< 1.4	< 1.5	2,600	No
o-Xylene	< 0.82	< 0.83	< 0.73	< 0.80	< 0.73	< 0.74	< 0.81	2,600	No
Vinyl Acetate	< 8.5	< 8.6	< 7.6	< 8.3	< 7.3	< 7.7	< 8.4	35	No
Vinyl Chloride	< 0.82	< 0.83	< 0.73	< 0.80	< 0.73	< 0.74	< 0.81	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 Health 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
8/15/2021-8/22/2021
FINAL REMEDY CONSTRUCTION
ASCN LANDFILL SITE

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-05								
	8/15-8/16/2021	8/16-8/17/2021	8/17-8/18/2021	8/18-8/19/2021	8/19-8/20/2021	8/20-8/21/2021	8/21-8/22/2021		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)									
Volatle Organic Compounds									
Acetone	< 7.4	< 8.0	< 7.4	< 7.2	< 8.0	< 7.4	< 7.6	31,000	No
Benzene	< 0.74	< 0.80	< 0.74	< 0.72	< 0.80	< 0.74	< 0.76	19	No
1,3-Butadiene	< 0.74	< 0.80	< 0.74	< 0.72	< 0.80	< 0.74	< 0.76	2.0	No
2-Butanone (MEK)	< 1.4	< 1.5	< 1.4	< 1.4	< 1.7	< 1.4	< 1.5	5,200 ⁽³⁾	No
Bromomethane	< 0.74	< 0.80	< 0.74	< 0.72	< 0.82	< 0.74	< 0.76	78	No
Carbon Disulfide	< 1.4	< 1.5	< 1.4	< 1.4	< 1.7	< 1.4	< 1.5	800	No
Carbon Tetrachloride	< 0.73	< 0.78	< 0.73	< 0.71	< 0.80	< 0.72	< 0.74	190	No
Chloroethane (Ethyl Chloride)	< 0.74	< 0.80	< 0.74	< 0.72	< 0.82	< 0.74	< 0.76	30,000	No
Chloroform	< 0.76	< 0.81	< 0.76	< 0.74	< 0.82	< 0.75	< 0.77	240	No
Chloromethane	< 0.74	< 0.80	< 0.74	< 0.72	< 0.80	< 0.74	< 0.76	410	No
cis-1,2-Dichloroethene	< 0.74	< 0.80	< 0.74	< 0.72	< 0.80	< 0.74	< 0.76	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 0.74	< 0.80	< 0.74	< 0.72	< 0.82	< 0.74	< 0.76	420 ⁽³⁾	No
1,4-Dichlorobenzene	< 0.74	< 0.80	< 0.74	< 0.72	< 0.82	< 0.74	< 0.76	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.74	< 0.80	< 0.74	< 0.72	< 0.82	< 0.74	< 0.76	79	No
Dichloromethane (Methylene Chloride)	< 0.74	< 0.80	5.1	< 0.72	< 0.80	< 0.74	< 0.76	1,000	No
1,2-Dichloropropane	< 0.74	< 0.80	< 0.74	< 0.72	< 0.82	< 0.74	< 0.76	32	No
1,4-Dioxane	< 0.74	< 0.80	< 0.74	< 0.72	< 0.82	< 0.74	< 0.76	720	No
Ethylbenzene	< 0.74	< 0.80	< 0.74	< 0.72	< 0.82	< 0.74	< 0.76	8,700	No
n-Hexane	< 0.74	< 0.80	< 0.74	< 0.72	< 0.82	< 0.74	< 0.76	2,100	No
2-Hexanone	< 1.4	< 1.5	< 1.4	< 1.4	< 0.82	< 1.4	< 1.5	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 1.4	< 1.5	< 1.4	< 1.4	< 0.80	< 1.4	< 1.5	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	< 0.74	< 0.80	< 0.74	< 0.72	< 0.82	< 0.74	< 0.76	2,500	No
Naphthalene	< 0.74	< 0.80	< 0.74	< 0.72	< 0.79	< 0.74	< 0.76	3.7	No
n-Nonane	< 0.76	< 0.81	< 0.76	< 0.74	< 0.82	< 0.75	< 0.77	21 ⁽³⁾	No
Styrene	< 0.74	< 0.80	< 0.74	< 0.72	< 0.80	< 0.74	< 0.76	850	No
1,1,2,2-Tetrachloroethane	< 0.76	< 0.81	< 0.76	< 0.74	< 0.82	< 0.75	< 0.77	83 ⁽²⁾	No
Tetrachloroethene (PCE)	< 0.74	< 0.80	< 0.74	< 0.72	< 0.79	< 0.74	< 0.76	41	No
Toluene	< 0.74	0.94	1.6	< 0.72	< 0.82	< 0.74	< 0.76	300	No
1,1,1-Trichloroethane (TCA)	< 0.74	< 0.80	< 0.74	< 0.72	< 0.82	< 0.74	< 0.76	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.077	< 0.083	< 0.077	< 0.075	< 0.082	< 0.077	< 0.079	0.21 ⁽³⁾	No
Trichloroethene (TCE)	< 0.73	< 0.78	< 0.73	< 0.71	< 0.82	< 0.72	< 0.74	2.2	No
Trichlorofluoromethane (CFC 11)	1.3	1.0	1.0	1.2	1.5	1.3	1.3	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.76	< 0.81	< 0.76	< 0.74	< 0.82	< 0.75	< 0.77	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	< 0.74	< 0.80	< 0.74	< 0.72	< 0.82	< 0.74	< 0.76	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	< 0.76	< 0.81	< 0.76	< 0.74	< 0.80	< 0.75	< 0.77	63 ⁽³⁾	No
m,p-Xylenes	< 1.4	< 1.5	< 1.4	< 1.4	< 1.7	< 1.4	< 1.5	2,600	No
o-Xylene	< 0.76	< 0.81	< 0.76	< 0.74	< 0.82	< 0.75	< 0.77	2,600	No
Vinyl Acetate	< 7.9	< 8.4	< 7.9	< 7.6	< 8.2	< 7.8	< 8.0	35	No
Vinyl Chloride	< 0.76	< 0.81	< 0.76	< 0.74	< 0.82	< 0.75	< 0.77	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 Health 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
8/15/2021-8/22/2021
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-06								
	8/15-8/16/2021	8/16-8/17/2021	8/17-8/18/2021	8/18-8/19/2021	8/19-8/20/2021	8/20-8/21/2021	8/21-8/22/2021		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)									
Volatile Organic Compounds									
Acetone	< 6.9	< 8.2	< 7.4	< 7.4	< 8.1	17	7.7	31,000	No
Benzene	< 0.69	< 0.82	< 0.74	< 0.74	< 0.81	1.4	< 0.71	19	No
1,3-Butadiene	< 0.69	< 0.82	< 0.74	< 0.74	< 0.81	< 1.2	< 0.71	2.0	No
2-Butanone (MEK)	< 1.3	< 1.6	< 1.4	< 1.4	< 1.7	< 2.4	< 1.4	5,200 ⁽³⁾	No
Bromomethane	< 0.69	< 0.82	< 0.74	< 0.74	< 0.82	< 1.2	< 0.71	78	No
Carbon Disulfide	< 1.3	< 1.6	< 1.4	< 1.4	< 1.7	< 2.4	< 1.4	800	No
Carbon Tetrachloride	< 0.68	< 0.81	< 0.72	< 0.73	< 0.81	< 1.2	< 0.70	190	No
Chloroethane (Ethyl Chloride)	< 0.69	< 0.82	< 0.74	< 0.74	< 0.82	< 1.2	< 0.71	30,000	No
Chloroform	< 0.70	< 0.84	< 0.75	< 0.76	< 0.82	< 1.3	< 0.73	240	No
Chloromethane	< 0.69	< 0.82	< 0.74	< 0.74	< 0.81	< 1.2	< 0.71	410	No
cis-1,2-Dichloroethene	< 0.69	< 0.82	< 0.74	< 0.74	< 0.81	< 1.2	< 0.71	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 0.69	< 0.82	< 0.74	< 0.74	< 0.82	< 1.2	< 0.71	420 ⁽³⁾	No
1,4-Dichlorobenzene	< 0.69	< 0.82	< 0.74	< 0.74	< 0.82	< 1.2	< 0.71	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.69	< 0.82	< 0.74	< 0.74	< 0.82	< 1.2	< 0.71	79	No
Dichloromethane (Methylene Chloride)	< 0.69	< 0.82	< 0.74	< 0.74	< 0.81	7.1	< 0.71	1,000	No
1,2-Dichloropropane	< 0.69	< 0.82	< 0.74	< 0.74	< 0.82	< 1.2	< 0.71	32	No
1,4-Dioxane	< 0.69	< 0.82	< 0.74	< 0.74	< 0.82	< 1.2	< 0.71	720	No
Ethylbenzene	< 0.69	< 0.82	< 0.74	< 0.74	< 0.82	< 1.2	< 0.71	8,700	No
n-Hexane	< 0.69	< 0.82	< 0.74	< 0.74	< 0.82	< 1.2	< 0.71	2,100	No
2-Hexanone	< 1.3	< 1.6	< 1.4	< 1.4	< 0.82	< 2.4	< 1.4	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 1.3	< 1.6	< 1.4	< 1.4	< 0.81	< 2.4	< 1.4	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	< 0.69	< 0.82	< 0.74	< 0.74	< 0.82	< 1.2	< 0.71	2,500	No
Naphthalene	< 0.69	< 0.82	< 0.74	< 0.74	< 0.79	< 1.2	< 0.71	3.7	No
n-Nonane	< 0.70	< 0.84	< 0.75	< 0.76	< 0.82	< 1.3	< 0.73	21 ⁽³⁾	No
Styrene	< 0.69	< 0.82	< 0.74	< 0.74	< 0.81	< 1.2	< 0.71	850	No
1,1,2,2-Tetrachloroethane	< 0.70	< 0.84	< 0.75	< 0.76	< 0.82	< 1.3	< 0.73	83 ⁽²⁾	No
Tetrachloroethene (PCE)	< 0.69	< 0.82	< 0.74	< 0.74	< 0.79	< 1.2	< 0.71	41	No
Toluene	< 0.69	< 0.82	< 0.74	< 0.74	< 0.82	3.6	0.84	300	No
1,1,1-Trichloroethane (TCA)	< 0.69	< 0.82	< 0.74	< 0.74	< 0.82	< 1.2	< 0.71	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.072	< 0.085	< 0.077	< 0.077	< 0.082	< 0.13	< 0.074	0.21 ⁽³⁾	No
Trichloroethene (TCE)	< 0.68	< 0.81	< 0.72	< 0.73	< 0.82	< 1.2	< 0.70	2.2	No
Trichlorofluoromethane (CFC 11)	1.3	1.4	1.3	1.4	1.6	1.6	1.3	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.70	< 0.84	< 0.75	< 0.76	< 0.82	< 1.3	< 0.73	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	< 0.69	< 0.82	< 0.74	< 0.74	< 0.82	< 1.2	< 0.71	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	< 0.70	< 0.84	< 0.75	< 0.76	< 0.81	< 1.3	< 0.73	63 ⁽³⁾	No
m,p-Xylenes	< 1.3	< 1.6	< 1.4	< 1.4	< 1.7	< 2.4	< 1.4	2,600	No
o-Xylene	< 0.70	< 0.84	< 0.75	< 0.76	< 0.82	< 1.3	< 0.73	2,600	No
Vinyl Acetate	< 7.3	< 8.7	< 7.8	< 7.9	< 8.2	< 13	< 7.5	35	No
Vinyl Chloride	< 0.70	< 0.84	< 0.75	< 0.76	< 0.82	< 1.3	< 0.73	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 Health 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).

Sample on 8/20-8/21/2021 is a time-weighted average reported from two samples consecutively collected over a 24-hr period.

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING
SUMMARY OF LABORATORY DATA
8/15/2021-8/22/2021
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE

Target Chemicals	STATION ID						Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	DT-4		DT-5		DT-6			
	8/17/2021	8/19/2021	8/17/2021	8/19/2021	8/17/2021	8/19/2021		
	Concentration (µg/m ³)							
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	< 0.945	< 0.945	< 0.945	< 0.945	< 0.945	< 0.945	250 ⁽²⁾	No
Fluorene	< 0.482	< 0.482	< 0.482	< 0.482	< 0.482	< 0.482	170 ⁽²⁾	No
Naphthalene	< 0.945	< 0.945	< 0.945	< 0.945	< 0.945	< 0.945	3.7	No
Pyrene	< 0.257	< 0.257	< 0.257	< 0.257	< 0.257	< 0.257	130 ⁽²⁾	No
Metals								
Arsenic	< 0.0116	< 0.0116	< 0.0116	< 0.0116	< 0.0116	< 0.0116	0.015	No
Chromium	< 0.139	< 0.139	0.233	0.239	< 0.139	< 0.139	5.0 ⁽³⁾	No
Copper	< 0.0116	0.0365	0.0592	0.0350	< 0.0116	0.0135	100 ⁽⁴⁾	No
Lead	< 0.00231	0.00469	0.00471	0.00535	< 0.00231	0.00253	0.15 ⁽⁵⁾	No
Mercury	< 0.0314	< 0.0314	< 0.0314	< 0.0314	< 0.0314	< 0.0314	0.06 ⁽⁶⁾	No
Nickel	< 0.0116	0.0143	0.0133	0.0159	0.378	0.0163	0.06 ⁽⁶⁾	Yes
Thallium	< 0.000463	< 0.000463	< 0.000463	< 0.000463	< 0.000463	< 0.000463	0.08 ⁽⁷⁾	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 Health 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) Chromium Trivalent Insoluble Particulates
- (4) CalEPA acute REL; no chronic REL/RfC available for copper
- (5) National Ambient Air Quality Standard for Lead
- (6) CalEPA 8-hr REL
- (7) DTSC Note 3, route to route REL based on thallium carbonate

On August 17, 2021 there was a detection of nickel at the upwind station, DT-6, at a concentration of 0.378 µg/m³. This value is above both the chronic and acute comparison criteria of 0.06 µg/m³ and 0.2 µg/m³, respectively. There was a nickel detection at the downwind location DT-5 near Magnolia at a concentration of 0.013 µg/m³, well below the comparison criteria. The other downwind location, DT-4, was nondetect. Dust data on that day did not indicate elevated dust levels. Learn more about Ascon's air quality monitoring system at asconhb.com.