

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING
SUMMARY OF LABORATORY DATA
6/27/2021 - 7/4/2021
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE

Target Chemicals	STATION ID					Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-01						
	6/27-6/28/2021	6/28-6/29/2021	6/29-6/30/2021	6/30-7/1/2021	7/1-7/2/2021		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)							
Volatile Organic Compounds							
Acetone	< 7.0	13	< 8.5	< 8.4	< 8.4	31,000	No
Benzene	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	19	No
1,3-Butadiene	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	2.0	No
2-Butanone (MEK)	< 1.4	< 1.3	< 1.6	< 1.6	< 1.6	5,200 ⁽³⁾	No
Bromomethane	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	78	No
Carbon Disulfide	< 1.4	< 1.3	3.1	< 1.6	< 1.6	800	No
Carbon Tetrachloride	< 0.69	< 0.67	< 0.83	< 0.83	< 0.83	190	No
Chloroethane (Ethyl Chloride)	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	30,000	No
Chloroform	< 0.72	< 0.70	< 0.86	< 0.86	< 0.86	240	No
Chloromethane	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	410	No
cis-1,2-Dichloroethene	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	420 ⁽³⁾	No
1,4-Dichlorobenzene	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	79	No
Dichloromethane (Methylene Chloride)	< 0.70	0.77	< 0.85	< 0.84	< 0.84	1,000	No
1,2-Dichloropropane	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	32	No
1,4-Dioxane	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	720	No
Ethylbenzene	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	8,700	No
n-Hexane	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	2,100	No
2-Hexanone	< 1.4	< 1.3	< 1.6	< 1.6	< 1.6	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 1.4	< 1.3	< 1.6	< 1.6	< 1.6	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	2,500	No
Naphthalene	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	3.7	No
n-Nonane	< 0.72	< 0.70	< 0.86	< 0.86	< 0.86	21 ⁽³⁾	No
Styrene	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	850	No
1,1,2,2-Tetrachloroethane	< 0.72	< 0.70	< 0.86	< 0.86	< 0.86	83 ⁽²⁾	No
Tetrachloroethene (PCE)	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	41	No
Toluene	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	300	No
1,1,1-Trichloroethane (TCA)	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.073	< 0.071	< 0.088	< 0.087	< 0.087	0.21 ⁽³⁾	No
Trichloroethene (TCE)	< 0.69	< 0.67	< 0.83	< 0.83	< 0.83	2.2	No
Trichlorofluoromethane (CFC 11)	1.4	1.3	1.3	1.2	1.0	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.72	< 0.70	< 0.86	< 0.86	< 0.86	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	< 0.70	< 0.69	< 0.85	< 0.84	< 0.84	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	< 0.72	< 0.70	< 0.86	< 0.86	< 0.86	63 ⁽³⁾	No
m,p-Xylenes	< 1.4	< 1.3	< 1.6	< 1.6	< 1.6	2,600	No
o-Xylene	< 0.72	< 0.70	< 0.86	< 0.86	< 0.86	2,600	No
Vinyl Acetate	< 7.4	< 7.3	< 9.0	< 8.9	< 8.9	35	No
Vinyl Chloride	< 0.72	< 0.70	< 0.86	< 0.86	< 0.86	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 (OEHA) 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).

Samples were not collected between 7/2-7/4/2021 due to holidays.

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING
SUMMARY OF LABORATORY DATA
6/27/2021 - 7/4/2021
FINAL REMEDY CONSTRUCTION
ASCEN LANDFILL SITE

Target Chemicals	STATION ID					Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-02						
	6/27-6/28/2021	6/28-6/29/2021	6/29-6/30/2021	6/30-7/1/2021	7/1-7/2/2021		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)							
Volatile Organic Compounds							
Acetone	--	< 7.9	< 14	< 8.3	< 7.9	31,000	No
Benzene	--	2.1	< 1.4	< 0.83	< 0.79	19	No
1,3-Butadiene	--	< 0.79	< 1.4	< 0.83	< 0.79	2.0	No
2-Butanone (MEK)	--	< 1.5	< 2.8	< 1.6	< 1.5	5,200 ⁽³⁾	No
Bromomethane	--	< 0.79	< 1.4	< 0.83	< 0.79	78	No
Carbon Disulfide	--	< 1.5	< 2.8	< 1.6	< 1.5	800	No
Carbon Tetrachloride	--	< 0.78	< 1.4	< 0.82	< 0.77	190	No
Chloroethane (Ethyl Chloride)	--	< 0.79	< 1.4	< 0.83	< 0.79	30,000	No
Chloroform	--	< 0.81	< 1.5	< 0.85	< 0.80	240	No
Chloromethane	--	< 0.79	< 1.4	< 0.83	< 0.79	410	No
cis-1,2-Dichloroethene	--	< 0.79	< 1.4	< 0.83	< 0.79	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	--	< 0.79	< 1.4	< 0.83	< 0.79	420 ⁽³⁾	No
1,4-Dichlorobenzene	--	< 0.79	< 1.4	< 0.83	< 0.79	1,200	No
1,1-Dichloroethene (1,1-DCE)	--	< 0.79	< 1.4	< 0.83	< 0.79	79	No
Dichloromethane (Methylene Chloride)	--	< 0.79	< 1.4	< 0.83	< 0.79	1,000	No
1,2-Dichloropropane	--	< 0.79	< 1.4	< 0.83	< 0.79	32	No
1,4-Dioxane	--	< 0.79	< 1.4	< 0.83	< 0.79	720	No
Ethylbenzene	--	< 0.79	< 1.4	< 0.83	< 0.79	8,700	No
n-Hexane	--	< 0.79	< 1.4	< 0.83	< 0.79	2,100	No
2-Hexanone	--	< 1.5	< 2.8	< 1.6	< 1.5	31 ⁽³⁾	No
4-Methyl-2-pentanone	--	< 1.5	< 2.8	< 1.6	< 1.5	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	--	< 0.79	< 1.4	< 0.83	< 0.79	2,500	No
Naphthalene	--	< 0.79	< 1.4	< 0.83	< 0.79	3.7	No
n-Nonane	--	< 0.81	< 1.5	< 0.85	< 0.80	21 ⁽³⁾	No
Styrene	--	< 0.79	< 1.4	< 0.83	< 0.79	850	No
1,1,2,2-Tetrachloroethane	--	< 0.81	< 1.5	< 0.85	< 0.80	83 ⁽²⁾	No
Tetrachloroethene (PCE)	--	< 0.79	< 1.4	< 0.83	< 0.79	41	No
Toluene	--	6.8	< 1.4	< 0.83	< 0.79	300	No
1,1,1-Trichloroethane (TCA)	--	< 0.79	< 1.4	< 0.83	< 0.79	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	--	< 0.083	< 0.15	< 0.086	< 0.082	0.21 ⁽³⁾	No
Trichloroethene (TCE)	--	< 0.78	< 1.4	< 0.82	< 0.77	2.2	No
Trichlorofluoromethane (CFC 11)	--	1.3	1.4	1.1	1.0	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	--	< 0.81	< 1.5	< 0.85	< 0.80	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	--	< 0.79	< 1.4	< 0.83	< 0.79	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	--	< 0.81	< 1.5	< 0.85	< 0.80	63 ⁽³⁾	No
m,p-Xylenes	--	< 1.5	< 2.8	< 1.6	< 1.5	2,600	No
o-Xylene	--	< 0.81	< 1.5	< 0.85	< 0.80	2,600	No
Vinyl Acetate	--	17	< 15	< 8.8	< 8.3	35	No
Vinyl Chloride	--	< 0.81	< 1.5	< 0.85	< 0.80	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 sample was collected on 6/27-6/28/2021.

Samples on 6/28-6/29/2021 and 6/29-6/30/2021 are time weighted averages reported from two samples consecutively collected over a 24-hr period.

Samples were not collected between 7/2-7/4/2021 due to holidays.

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING
SUMMARY OF LABORATORY DATA
6/27/2021 - 7/4/2021
FINAL REMEDY CONSTRUCTION
ASCOS LANDFILL SITE

Target Chemicals	STATION ID					Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-03						
	6/27-6/28/2021	6/28-6/29/2021	6/29-6/30/2021	6/30-7/1/2021	7/1-7/2/2021		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)							
Volatile Organic Compounds							
Acetone	< 6.9	< 6.7	< 8.1	< 8.6	< 8.1	31,000	No
Benzene	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	19	No
1,3-Butadiene	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	2.0	No
2-Butanone (MEK)	< 1.3	< 1.3	< 1.6	< 1.7	< 1.6	5,200 ⁽³⁾	No
Bromomethane	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	78	No
Carbon Disulfide	< 1.3	< 1.3	< 1.6	< 1.7	< 1.6	800	No
Carbon Tetrachloride	< 0.68	< 0.66	< 0.79	< 0.85	< 0.80	190	No
Chloroethane (Ethyl Chloride)	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	30,000	No
Chloroform	< 0.70	< 0.68	< 0.82	< 0.88	< 0.83	240	No
Chloromethane	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	410	No
cis-1,2-Dichloroethene	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	420 ⁽³⁾	No
1,4-Dichlorobenzene	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	79	No
Dichloromethane (Methylene Chloride)	< 0.69	< 0.67	1.9	< 0.86	< 0.81	1,000	No
1,2-Dichloropropane	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	32	No
1,4-Dioxane	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	720	No
Ethylbenzene	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	8,700	No
n-Hexane	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	2,100	No
2-Hexanone	< 1.3	< 1.3	< 1.6	< 1.7	< 1.6	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 1.3	< 1.3	< 1.6	< 1.7	< 1.6	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	2,500	No
Naphthalene	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	3.7	No
n-Nonane	< 0.70	< 0.68	< 0.82	< 0.88	< 0.83	21 ⁽³⁾	No
Styrene	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	850	No
1,1,2,2-Tetrachloroethane	< 0.70	< 0.68	< 0.82	< 0.88	< 0.83	83 ⁽²⁾	No
Tetrachloroethene (PCE)	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	41	No
Toluene	< 0.69	< 0.67	0.86	< 0.86	< 0.81	300	No
1,1,1-Trichloroethane (TCA)	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.072	< 0.070	< 0.084	< 0.090	< 0.084	0.21 ⁽³⁾	No
Trichloroethene (TCE)	< 0.68	< 0.66	< 0.79	< 0.85	< 0.80	2.2	No
Trichlorofluoromethane (CFC 11)	1.3	1.3	1.2	1.1	1.0	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.70	< 0.68	< 0.82	< 0.88	< 0.83	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	< 0.69	< 0.67	< 0.81	< 0.86	< 0.81	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	< 0.70	< 0.68	< 0.82	< 0.88	< 0.83	63 ⁽³⁾	No
m,p-Xylenes	< 1.3	< 1.3	< 1.6	< 1.7	< 1.6	2,600	No
o-Xylene	< 0.70	< 0.68	< 0.82	< 0.88	< 0.83	2,600	No
Vinyl Acetate	< 7.3	< 7.1	< 8.5	< 9.1	< 8.6	35	No
Vinyl Chloride	< 0.70	< 0.68	< 0.82	< 0.88	< 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).

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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).

Samples were not collected between 7/2-7/4/2021 due to holidays.

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING
SUMMARY OF LABORATORY DATA
6/27/2021 - 7/4/2021
FINAL REMEDY CONSTRUCTION
ASCEN LANDFILL SITE

Target Chemicals	STATION ID					Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-04						
	6/27-6/28/2021	6/28-6/29/2021	6/29-6/30/2021	6/30-7/1/2021	7/1-7/2/2021		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)							
Volatile Organic Compounds							
Acetone	< 7.0	< 6.3	< 7.5	< 8.3	< 8.9	31,000	No
Benzene	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	19	No
1,3-Butadiene	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	2.0	No
2-Butanone (MEK)	< 1.3	< 1.2	< 1.5	< 1.6	< 1.7	5,200 ⁽³⁾	No
Bromomethane	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	78	No
Carbon Disulfide	< 1.3	< 1.2	< 1.5	< 1.6	< 1.7	800	No
Carbon Tetrachloride	< 0.68	< 0.62	< 0.74	< 0.81	< 0.88	190	No
Chloroethane (Ethyl Chloride)	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	30,000	No
Chloroform	< 0.71	< 0.64	< 0.77	< 0.84	< 0.91	240	No
Chloromethane	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	410	No
cis-1,2-Dichloroethene	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	420 ⁽³⁾	No
1,4-Dichlorobenzene	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	79	No
Dichloromethane (Methylene Chloride)	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	1,000	No
1,2-Dichloropropane	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	32	No
1,4-Dioxane	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	720	No
Ethylbenzene	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	8,700	No
n-Hexane	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	2,100	No
2-Hexanone	< 1.3	< 1.2	< 1.5	< 1.6	< 1.7	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 1.3	< 1.2	< 1.5	< 1.6	< 1.7	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	2,500	No
Naphthalene	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	3.7	No
n-Nonane	< 0.71	< 0.64	< 0.77	< 0.84	< 0.91	21 ⁽³⁾	No
Styrene	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	850	No
1,1,2,2-Tetrachloroethane	< 0.71	< 0.64	< 0.77	< 0.84	< 0.91	83 ⁽²⁾	No
Tetrachloroethene (PCE)	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	41	No
Toluene	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	300	No
1,1,1-Trichloroethane (TCA)	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.072	< 0.065	< 0.078	< 0.086	< 0.093	0.21 ⁽³⁾	No
Trichloroethene (TCE)	< 0.68	< 0.62	< 0.74	< 0.81	< 0.88	2.2	No
Trichlorofluoromethane (CFC 11)	1.3	1.4	1.2	1.1	1.1	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.71	< 0.64	< 0.77	< 0.84	< 0.91	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	< 0.70	< 0.63	< 0.75	< 0.83	< 0.89	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	< 0.71	< 0.64	< 0.77	< 0.84	< 0.91	63 ⁽³⁾	No
m,p-Xylenes	< 1.3	< 1.2	< 1.5	< 1.6	< 1.7	2,600	No
o-Xylene	< 0.71	< 0.64	< 0.77	< 0.84	< 0.91	2,600	No
Vinyl Acetate	< 7.4	< 6.7	< 8.0	< 8.7	< 9.5	35	No
Vinyl Chloride	< 0.71	< 0.64	< 0.77	< 0.84	< 0.91	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).

Sample on 6/28-6/29/2021 validated results are considered estimated.

Samples were not collected between 7/2-7/4/2021 due to holidays.

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING
SUMMARY OF LABORATORY DATA
6/27/2021 - 7/4/2021
FINAL REMEDY CONSTRUCTION
ASCEN LANDFILL SITE

Target Chemicals	STATION ID					Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-05						
	6/27-6/28/2021	6/28-6/29/2021	6/29-6/30/2021	6/30-7/1/2021	7/1-7/2/2021		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)							
Volatile Organic Compounds							
Acetone	19	< 6.3	< 8.0	< 8.1	< 8.4	31,000	No
Benzene	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	19	No
1,3-Butadiene	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	2.0	No
2-Butanone (MEK)	< 1.6	< 1.2	< 1.5	< 1.6	< 1.6	5,200 ⁽³⁾	No
Bromomethane	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	78	No
Carbon Disulfide	< 1.6	< 1.2	< 1.5	< 1.6	< 1.6	800	No
Carbon Tetrachloride	< 0.80	< 0.62	< 0.79	< 0.79	< 0.83	190	No
Chloroethane (Ethyl Chloride)	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	30,000	No
Chloroform	< 0.83	< 0.65	< 0.82	< 0.82	< 0.86	240	No
Chloromethane	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	410	No
cis-1,2-Dichloroethene	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	420 ⁽³⁾	No
1,4-Dichlorobenzene	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	79	No
Dichloromethane (Methylene Chloride)	< 0.81	< 0.63	< 0.80	8.4	< 0.84	1,000	No
1,2-Dichloropropane	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	32	No
1,4-Dioxane	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	720	No
Ethylbenzene	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	8,700	No
n-Hexane	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	2,100	No
2-Hexanone	< 1.6	< 1.2	< 1.5	< 1.6	< 1.6	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 1.6	< 1.2	< 1.5	< 1.6	< 1.6	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	2,500	No
Naphthalene	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	3.7	No
n-Nonane	< 0.83	< 0.65	< 0.82	< 0.82	< 0.86	21 ⁽³⁾	No
Styrene	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	850	No
1,1,2,2-Tetrachloroethane	< 0.83	< 0.65	< 0.82	< 0.82	< 0.86	83 ⁽²⁾	No
Tetrachloroethene (PCE)	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	41	No
Toluene	< 0.81	< 0.63	< 0.80	0.99	< 0.84	300	No
1,1,1-Trichloroethane (TCA)	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.084	< 0.066	< 0.083	< 0.084	< 0.087	0.21 ⁽³⁾	No
Trichloroethene (TCE)	< 0.80	< 0.62	< 0.79	< 0.79	< 0.83	2.2	No
Trichlorofluoromethane (CFC 11)	1.2	1.4	1.2	1.2	1.0	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.83	< 0.65	< 0.82	< 0.82	< 0.86	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	< 0.81	< 0.63	< 0.80	< 0.81	< 0.84	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	< 0.83	< 0.65	< 0.82	< 0.82	< 0.86	63 ⁽³⁾	No
m,p-Xylenes	< 1.6	< 1.2	< 1.5	< 1.6	< 1.6	2,600	No
o-Xylene	< 0.83	< 0.65	< 0.82	< 0.82	< 0.86	2,600	No
Vinyl Acetate	< 8.6	< 6.7	< 8.5	< 8.5	< 8.9	35	No
Vinyl Chloride	< 0.83	< 0.65	< 0.82	< 0.82	< 0.86	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 6/28-6/29/2021 validated results are considered estimated.

Samples were not collected between 7/2-7/4/2021 due to holidays.

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING
SUMMARY OF LABORATORY DATA
6/27/2021 - 7/4/2021
FINAL REMEDY CONSTRUCTION
ASCOS LANDFILL SITE

Target Chemicals	STATION ID					Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-06						
	6/27-6/28/2021	6/28-6/29/2021	6/29-6/30/2021	6/30-7/1/2021	7/1-7/2/2021		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)							
Volatile Organic Compounds							
Acetone	8.4	8.2	< 8.0	< 8.6	< 8.2	31,000	No
Benzene	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	19	No
1,3-Butadiene	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	2.0	No
2-Butanone (MEK)	< 1.3	< 1.5	< 1.5	< 1.7	< 1.6	5,200 ⁽³⁾	No
Bromomethane	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	78	No
Carbon Disulfide	< 1.3	< 1.5	< 1.5	< 1.7	< 1.6	800	No
Carbon Tetrachloride	< 0.64	< 0.74	< 0.78	< 0.84	< 0.80	190	No
Chloroethane (Ethyl Chloride)	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	30,000	No
Chloroform	< 0.67	< 0.77	< 0.81	< 0.87	< 0.83	240	No
Chloromethane	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	410	No
cis-1,2-Dichloroethene	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	420 ⁽³⁾	No
1,4-Dichlorobenzene	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	79	No
Dichloromethane (Methylene Chloride)	1.3	< 0.75	< 0.80	< 0.86	< 0.82	1,000	No
1,2-Dichloropropane	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	32	No
1,4-Dioxane	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	720	No
Ethylbenzene	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	8,700	No
n-Hexane	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	2,100	No
2-Hexanone	< 1.3	< 1.5	< 1.5	< 1.7	< 1.6	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 1.3	< 1.5	< 1.5	< 1.7	< 1.6	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	2,500	No
Naphthalene	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	3.7	No
n-Nonane	< 0.67	< 0.77	< 0.81	< 0.87	< 0.83	21 ⁽³⁾	No
Styrene	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	850	No
1,1,2,2-Tetrachloroethane	< 0.67	< 0.77	< 0.81	< 0.87	< 0.83	83 ⁽²⁾	No
Tetrachloroethene (PCE)	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	41	No
Toluene	1.2	< 0.75	< 0.80	< 0.86	< 0.82	300	No
1,1,1-Trichloroethane (TCA)	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.068	< 0.078	< 0.083	< 0.089	< 0.085	0.21 ⁽³⁾	No
Trichloroethene (TCE)	< 0.64	< 0.74	< 0.78	< 0.84	< 0.80	2.2	No
Trichlorofluoromethane (CFC 11)	1.2	1.3	0.99	1.1	1.0	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.67	< 0.77	< 0.81	< 0.87	< 0.83	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	< 0.66	< 0.75	< 0.80	< 0.86	< 0.82	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	< 0.67	< 0.77	< 0.81	< 0.87	< 0.83	63 ⁽³⁾	No
m,p-Xylenes	< 1.3	< 1.5	< 1.5	< 1.7	< 1.6	2,600	No
o-Xylene	< 0.67	< 0.77	< 0.81	< 0.87	< 0.83	2,600	No
Vinyl Acetate	< 6.9	< 8.0	< 8.4	< 9.1	< 8.6	35	No
Vinyl Chloride	< 0.67	< 0.77	< 0.81	< 0.87	< 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 6/27-6/28/2021 validated results are considered estimated.

Samples were not collected between 7/2-7/4/2021 due to holidays.

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING SUMMARY OF LABORATORY DATA 6/27/2021 - 7/4/2021 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			
	6/29/2021	7/1/2021	6/29/2021	7/1/2021	6/29/2021	7/1/2021		
	Concentration (µg/m ³)							
Polycyclic Aromatic Hydrocarbons								
Acenaphthene	< 0.945	--	< 0.945	--	< 0.945	--	250 ⁽²⁾	No
Fluorene	< 0.482	--	< 0.482	--	< 0.482	--	170 ⁽²⁾	No
Naphthalene	< 0.945	--	< 0.945	--	< 0.945	--	3.7	No
Pyrene	< 0.257	--	< 0.257	--	< 0.257	--	130 ⁽²⁾	No
Metals								
Arsenic	< 0.0116	--	< 0.0116	--	< 0.0116	--	0.015	No
Chromium	< 0.139	--	0.203	--	0.231	--	5.0 ⁽³⁾	No
Copper	< 0.0116	--	0.0130	--	< 0.0116	--	100 ⁽⁴⁾	No
Lead	0.00268	--	0.00311	--	< 0.00231	--	0.15 ⁽⁵⁾	No
Mercury	< 0.0314	--	< 0.0314	--	< 0.0314	--	0.06 ⁽⁶⁾	No
Nickel	< 0.0116	--	< 0.0116	--	< 0.0116	--	0.06 ⁽⁶⁾	No
Thallium	0.000569	--	< 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

Samples were not collected on 7/1/2021 due to holidays.