

No concentrations exceeded health-based screening levels

OFFSITE AIR MONITORING
SUMMARY OF LABORATORY DATA
7/26/2020 - 8/2/2020
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	CS-AA-01								
	7/26-7/27/2020	7/27-7/28/2020	7/28-7/29/2020	7/29-7/30/2020	7/30-7/31/2020	7/31-8/1/2020	8/1-8/2/2020		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)									
Volatle Organic Compounds									
Acetone	< 9.1	< 8.9	< 8.6	< 9.1	< 9.5	< 9.3	< 9.5	31,000	No
Benzene	< 0.91	< 0.89	< 0.86	< 0.91	< 0.95	< 0.93	< 0.95	19	No
1,3-Butadiene	< 0.91	< 0.89	< 0.86	< 0.91	< 0.95	< 0.93	< 0.95	2.0	No
2-Butanone (MEK)	< 1.9	< 1.8	< 1.8	< 1.9	< 2.0	< 1.9	< 2.0	5,200 ⁽³⁾	No
Bromomethane	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	78	No
Carbon Disulfide	< 1.9	< 1.8	< 1.8	< 1.9	< 2.0	< 1.9	< 2.0	800	No
Carbon Tetrachloride	< 0.91	< 0.89	< 0.86	< 0.91	< 0.95	< 0.93	< 0.95	190	No
Chloroethane (Ethyl Chloride)	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	30,000	No
Chloroform	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	240	No
Chloromethane	< 0.91	< 0.89	< 0.86	< 0.91	< 0.95	< 0.93	< 0.95	410	No
cis-1,2-Dichloroethene	< 0.91	< 0.89	< 0.86	< 0.91	< 0.95	< 0.93	< 0.95	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	420 ⁽³⁾	No
1,4-Dichlorobenzene	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	79	No
Dichloromethane (Methylene Chloride)	< 0.91	< 0.89	< 0.86	< 0.91	< 0.95	< 0.93	< 0.95	1,000	No
1,2-Dichloropropane	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	32	No
1,4-Dioxane	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	720	No
Ethylbenzene	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	8,700	No
n-Hexane	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	2,100	No
2-Hexanone	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 0.91	< 0.89	< 0.86	< 0.91	< 0.95	< 0.93	< 0.95	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	2,500	No
Naphthalene	< 0.89	< 0.87	< 0.85	< 0.89	< 0.93	< 0.92	< 0.93	3.7	No
n-Nonane	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	21 ⁽³⁾	No
Styrene	< 0.91	< 0.89	< 0.86	< 0.91	< 0.95	< 0.93	< 0.95	850	No
1,1,2,2-Tetrachloroethane	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	83 ⁽²⁾	No
Tetrachloroethene (PCE)	< 0.89	< 0.87	< 0.85	< 0.89	< 0.93	< 0.92	< 0.93	41	No
Toluene	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	1.4	1.2	300	No
1,1,1-Trichloroethane (TCA)	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.093	< 0.091	< 0.088	< 0.093	< 0.097	< 0.095	< 0.097	0.21 ⁽³⁾	No
Trichloroethene (TCE)	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	2.2	No
Trichlorofluoromethane (CFC 11)	1.2	1.2	1.1	1.2	1.1	1.4	1.2	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	< 0.91	< 0.89	< 0.86	< 0.91	< 0.95	< 0.93	< 0.95	63 ⁽³⁾	No
m,p-Xylenes	< 1.9	< 1.8	< 1.8	< 1.9	< 2.0	< 1.9	< 2.0	2,600	No
o-Xylene	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	2,600	No
Vinyl Acetate	< 9.3	< 9.1	< 8.8	< 9.3	< 9.7	< 9.5	< 9.7	35	No
Vinyl Chloride	< 0.93	< 0.91	< 0.88	< 0.93	< 0.97	< 0.95	< 0.97	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

OFFSITE AIR MONITORING
SUMMARY OF LABORATORY DATA
7/26/2020 - 8/2/2020
FINAL REMEDY CONSTRUCTION
ASCEN LANDFILL SITE

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	CS-AA-02								
	7/26-7/27/2020	7/27-7/28/2020	7/28-7/29/2020	7/29-7/30/2020	7/30-7/31/2020	7/31-8/1/2020	8/1-8/2/2020		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)									
Volatle Organic Compounds									
Acetone	< 9.3	< 9.0	< 9.5	< 8.9	< 8.9	< 9.0	< 9.5	31,000	No
Benzene	< 0.93	< 0.90	< 0.95	< 0.89	< 0.89	< 0.90	< 0.95	19	No
1,3-Butadiene	< 0.93	< 0.90	< 0.95	< 0.89	< 0.89	< 0.90	< 0.95	2.0	No
2-Butanone (MEK)	< 1.9	< 1.9	< 2.0	< 1.8	< 1.8	< 1.9	< 2.0	5,200 ⁽³⁾	No
Bromomethane	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	78	No
Carbon Disulfide	< 1.9	< 1.9	< 2.0	< 1.8	< 1.8	< 1.9	< 2.0	800	No
Carbon Tetrachloride	< 0.93	< 0.90	< 0.95	< 0.89	< 0.89	< 0.90	< 0.95	190	No
Chloroethane (Ethyl Chloride)	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	30,000	No
Chloroform	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	240	No
Chloromethane	< 0.93	< 0.90	< 0.95	< 0.89	< 0.89	< 0.90	< 0.95	410	No
cis-1,2-Dichloroethene	< 0.93	< 0.90	< 0.95	< 0.89	< 0.89	< 0.90	< 0.95	8.3 ⁽²⁾	No
Cumene (isopropylbenzene)	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	420 ⁽³⁾	No
1,4-Dichlorobenzene	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	79	No
Dichloromethane (Methylene Chloride)	< 0.93	< 0.90	< 0.95	< 0.89	< 0.89	< 0.90	< 0.95	1,000	No
1,2-Dichloropropane	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	32	No
1,4-Dioxane	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	720	No
Ethylbenzene	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	8,700	No
n-Hexane	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	2,100	No
2-Hexanone	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 0.93	< 0.90	< 0.95	< 0.89	< 0.89	< 0.90	< 0.95	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	2,500	No
Naphthalene	< 0.91	< 0.88	< 0.94	< 0.87	< 0.87	< 0.88	< 0.94	3.7	No
n-Nonane	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	21 ⁽³⁾	No
Styrene	< 0.93	< 0.90	< 0.95	< 0.89	< 0.89	< 0.90	< 0.95	850	No
1,1,2,2-Tetrachloroethane	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	83 ⁽²⁾	No
Tetrachloroethene (PCE)	< 0.91	< 0.88	< 0.94	< 0.87	< 0.87	< 0.88	< 0.94	41	No
Toluene	< 0.95	< 0.92	1.3	< 0.91	< 0.90	1.4	< 0.97	300	No
1,1,1-Trichloroethane (TCA)	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.095	< 0.092	< 0.097	< 0.091	< 0.090	< 0.092	< 0.097	0.21 ⁽³⁾	No
Trichloroethene (TCE)	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	2.2	No
Trichlorofluoromethane (CFC 11)	1.2	1.1	1.3	1.2	1.2	1.4	1.2	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	< 0.93	< 0.90	< 0.95	< 0.89	< 0.89	< 0.90	< 0.95	63 ⁽³⁾	No
m,p-Xylenes	< 1.9	< 1.9	< 2.0	< 1.8	< 1.8	< 1.9	< 2.0	2,600	No
o-Xylene	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	2,600	No
Vinyl Acetate	< 9.5	< 9.2	< 9.7	< 9.1	< 9.0	< 9.2	< 9.7	35	No
Vinyl Chloride	< 0.95	< 0.92	< 0.97	< 0.91	< 0.90	< 0.92	< 0.97	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

OFFSITE AIR MONITORING
SUMMARY OF LABORATORY DATA
7/26/2020 - 8/2/2020
FINAL REMEDY CONSTRUCTION
ASCEN LANDFILL SITE

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	CS-AA-03								
	7/26-7/27/2020	7/27-7/28/2020	7/28-7/29/2020	7/29-7/30/2020	7/30-7/31/2020	7/31-8/1/2020	8/1-8/2/2020		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)									
Volatle Organic Compounds									
Acetone	< 8.6	< 8.6	< 8.9	< 8.6	< 8.9	< 9.3	< 9.1	31,000	No
Benzene	< 0.86	< 0.86	< 0.89	< 0.86	< 0.89	< 0.93	< 0.91	19	No
1,3-Butadiene	< 0.86	< 0.86	< 0.89	< 0.86	< 0.89	< 0.93	< 0.91	2.0	No
2-Butanone (MEK)	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.9	< 1.9	5,200 ⁽³⁾	No
Bromomethane	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	78	No
Carbon Disulfide	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.9	< 1.9	800	No
Carbon Tetrachloride	< 0.86	< 0.86	< 0.89	< 0.86	< 0.89	< 0.93	< 0.91	190	No
Chloroethane (Ethyl Chloride)	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	30,000	No
Chloroform	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	240	No
Chloromethane	< 0.86	< 0.86	< 0.89	< 0.86	< 0.89	< 0.93	< 0.91	410	No
cis-1,2-Dichloroethene	< 0.86	< 0.86	< 0.89	< 0.86	< 0.89	< 0.93	< 0.91	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	420 ⁽³⁾	No
1,4-Dichlorobenzene	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	79	No
Dichloromethane (Methylene Chloride)	< 0.86	< 0.86	< 0.89	< 0.86	< 0.89	< 0.93	< 0.91	1,000	No
1,2-Dichloropropane	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	32	No
1,4-Dioxane	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	720	No
Ethylbenzene	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	8,700	No
n-Hexane	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	2,100	No
2-Hexanone	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 0.86	< 0.86	< 0.89	< 0.86	< 0.89	< 0.93	< 0.91	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	2,500	No
Naphthalene	< 0.85	< 0.84	< 0.87	< 0.84	< 0.87	< 0.92	< 0.89	3.7	No
n-Nonane	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	21 ⁽³⁾	No
Styrene	< 0.86	< 0.86	< 0.89	< 0.86	< 0.89	< 0.93	< 0.91	850	No
1,1,2,2-Tetrachloroethane	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	83 ⁽²⁾	No
Tetrachloroethene (PCE)	< 0.85	< 0.84	< 0.87	< 0.84	< 0.87	< 0.92	< 0.89	41	No
Toluene	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	1.1	< 0.92	300	No
1,1,1-Trichloroethane (TCA)	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.088	< 0.087	< 0.091	< 0.087	< 0.091	< 0.095	< 0.092	0.21 ⁽³⁾	No
Trichloroethene (TCE)	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	2.2	No
Trichlorofluoromethane (CFC 11)	1.2	1.3	1.3	1.2	1.1	1.4	1.2	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	< 0.86	< 0.86	< 0.89	< 0.86	< 0.89	< 0.93	< 0.91	63 ⁽³⁾	No
m,p-Xylenes	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.9	< 1.9	2,600	No
o-Xylene	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	2,600	No
Vinyl Acetate	< 8.8	< 8.7	< 9.1	< 8.7	< 9.1	< 9.5	< 9.2	35	No
Vinyl Chloride	< 0.88	< 0.87	< 0.91	< 0.87	< 0.91	< 0.95	< 0.92	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).

**OFFSITE AIR MONITORING
SUMMARY OF LABORATORY DATA
7/26/2020 - 8/2/2020
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE**

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	CS-AA-04								
	7/26-7/27/2020	7/27-7/28/2020	7/28-7/29/2020	7/29-7/30/2020	7/30-7/31/2020	7/31-8/1/2020	8/1-8/2/2020		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)									
Volatile Organic Compounds									
Acetone	< 10	< 9.0	< 8.5	< 8.5	< 8.8	< 9.0	< 9.1	31,000	No
Benzene	< 1.0	< 0.90	< 0.85	< 0.85	< 0.88	< 0.90	< 0.91	19	No
1,3-Butadiene	< 1.0	< 0.90	< 0.85	< 0.85	< 0.88	< 0.90	< 0.91	2.0	No
2-Butanone (MEK)	< 2.1	< 1.9	< 1.8	< 1.8	< 1.8	< 1.9	< 1.9	5,200 ⁽³⁾	No
Bromomethane	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	78	No
Carbon Disulfide	< 2.1	< 1.9	< 1.8	< 1.8	< 1.8	< 1.9	< 1.9	800	No
Carbon Tetrachloride	< 1.0	< 0.90	< 0.85	< 0.85	< 0.88	< 0.90	< 0.91	190	No
Chloroethane (Ethyl Chloride)	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	30,000	No
Chloroform	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	240	No
Chloromethane	< 1.0	< 0.90	< 0.85	< 0.85	< 0.88	< 0.90	< 0.91	410	No
cis-1,2-Dichloroethene	< 1.0	< 0.90	< 0.85	< 0.85	< 0.88	< 0.90	< 0.91	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	420 ⁽³⁾	No
1,4-Dichlorobenzene	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	79	No
Dichloromethane (Methylene Chloride)	< 1.0	< 0.90	< 0.85	< 0.85	< 0.88	< 0.90	< 0.91	1,000	No
1,2-Dichloropropane	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	32	No
1,4-Dioxane	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	720	No
Ethylbenzene	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	8,700	No
n-Hexane	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	2,100	No
2-Hexanone	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 1.0	< 0.90	< 0.85	< 0.85	< 0.88	< 0.90	< 0.91	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	2,500	No
Naphthalene	< 0.98	< 0.88	< 0.83	< 0.83	< 0.86	< 0.88	< 0.89	3.7	No
n-Nonane	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	21 ⁽³⁾	No
Styrene	< 1.0	< 0.90	< 0.85	< 0.85	< 0.88	< 0.90	< 0.91	850	No
1,1,2,2-Tetrachloroethane	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	83 ⁽²⁾	No
Tetrachloroethene (PCE)	< 0.98	< 0.88	< 0.83	< 0.83	< 0.86	< 0.88	120	41	Yes
Toluene	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	300	No
1,1,1-Trichloroethane (TCA)	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.10	< 0.091	< 0.086	< 0.086	< 0.090	< 0.091	< 0.093	0.21 ⁽³⁾	No
Trichloroethene (TCE)	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	2.2	No
Trichlorofluoromethane (CFC 11)	1.2	1.2	1.3	1.2	1.2	1.4	1.2	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	< 1.0	< 0.90	< 0.85	< 0.85	< 0.88	< 0.90	< 0.91	63 ⁽³⁾	No
m,p-Xylenes	< 2.1	< 1.9	< 1.8	< 1.8	< 1.8	< 1.9	< 1.9	2,600	No
o-Xylene	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	2,600	No
Vinyl Acetate	< 10	< 9.1	< 8.6	< 8.6	< 9.0	< 9.1	< 9.3	35	No
Vinyl Chloride	< 1.0	< 0.91	< 0.86	< 0.86	< 0.90	< 0.91	< 0.93	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).

One tetrachloroethene concentration reading during this one-week period was higher than the screening level. The source is not Site-related as onsite perimeter results were nondetect and the detection was in an upwind sampling location (winds were blowing from Bermuda Drive southeast towards the Site). A short-term reading above the screening level does not mean there is a public health risk as screening levels are established at conservative levels to provide a margin of safety.

No concentrations exceeded health-based screening levels

OFFSITE AIR MONITORING
SUMMARY OF LABORATORY DATA
7/26/2020 - 8/2/2020
FINAL REMEDY CONSTRUCTION
ASCION LANDFILL SITE

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	CS-AA-05								
	7/26-7/27/2020	7/27-7/28/2020	7/28-7/29/2020	7/29-7/30/2020	7/30-7/31/2020	7/31-8/1/2020	8/1-8/2/2020		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Concentration (µg/m ³)									
Volatle Organic Compounds									
Acetone	< 9.1	< 8.6	< 9.3	< 9.1	< 9.6	< 9.6	< 9.7	31,000	No
Benzene	< 0.91	< 0.86	< 0.93	< 0.91	< 0.96	< 0.96	< 0.97	19	No
1,3-Butadiene	< 0.91	< 0.86	< 0.93	< 0.91	< 0.96	< 0.96	< 0.97	2.0	No
2-Butanone (MEK)	< 1.9	< 1.8	< 1.9	< 1.9	< 2.0	< 2.0	< 2.0	5,200 ⁽³⁾	No
Bromomethane	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	78	No
Carbon Disulfide	< 1.9	< 1.8	< 1.9	< 1.9	< 2.0	< 2.0	< 2.0	800	No
Carbon Tetrachloride	< 0.91	< 0.86	< 0.93	< 0.91	< 0.96	< 0.96	< 0.97	190	No
Chloroethane (Ethyl Chloride)	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	30,000	No
Chloroform	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	240	No
Chloromethane	< 0.91	< 0.86	< 0.93	< 0.91	< 0.96	< 0.96	< 0.97	410	No
cis-1,2-Dichloroethene	< 0.91	< 0.86	< 0.93	< 0.91	< 0.96	< 0.96	< 0.97	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	420 ⁽³⁾	No
1,4-Dichlorobenzene	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	79	No
Dichloromethane (Methylene Chloride)	< 0.91	< 0.86	< 0.93	< 0.91	< 0.96	< 0.96	1.3	1,000	No
1,2-Dichloropropane	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	32	No
1,4-Dioxane	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	720	No
Ethylbenzene	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	8,700	No
n-Hexane	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	2,100	No
2-Hexanone	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 0.91	< 0.86	< 0.93	< 0.91	< 0.96	< 0.96	< 0.97	3,100 ⁽³⁾	No
Methyl tert-Butyl Ether	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	2,500	No
Naphthalene	< 0.89	< 0.85	< 0.91	< 0.89	< 0.95	< 0.95	< 0.95	3.7	No
n-Nonane	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	21 ⁽³⁾	No
Styrene	< 0.91	< 0.86	< 0.93	< 0.91	< 0.96	< 0.96	< 0.97	850	No
1,1,2,2-Tetrachloroethane	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	83 ⁽²⁾	No
Tetrachloroethene (PCE)	< 0.89	< 0.85	< 0.91	< 0.89	< 0.95	< 0.95	< 0.95	41	No
Toluene	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	2.5	300	No
1,1,1-Trichloroethane (TCA)	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.093	< 0.088	< 0.095	< 0.092	< 0.098	< 0.098	< 0.099	0.21 ⁽³⁾	No
Trichloroethene (TCE)	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	2.2	No
Trichlorofluoromethane (CFC 11)	1.2	1.2	1.3	1.3	1.1	1.4	1.3	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	5,200 ⁽³⁾	No
1,2,4-Trimethylbenzene	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	63 ⁽³⁾	No
1,3,5-Trimethylbenzene	< 0.91	< 0.86	< 0.93	< 0.91	< 0.96	< 0.96	< 0.97	63 ⁽³⁾	No
m,p-Xylenes	< 1.9	< 1.8	< 1.9	< 1.9	< 2.0	< 2.0	< 2.0	2,600	No
o-Xylene	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	2,600	No
Vinyl Acetate	< 9.3	< 8.8	< 9.5	< 9.2	< 9.8	< 9.8	< 9.9	35	No
Vinyl Chloride	< 0.93	< 0.88	< 0.95	< 0.92	< 0.98	< 0.98	< 0.99	77	No

Notes:

"<" - Analyte not detected in sample above the method reporting limit or method detection limit (MDL) as applicable.

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