

# No concentrations exceeded health-based screening levels

## OFFSITE AIR MONITORING SUMMARY OF LABORATORY DATA 4/9/2023 - 4/16/2023 FINAL REMEDY CONSTRUCTION ASCON LANDFILL SITE

Target Chemicals	STATION ID		Comparison Criteria (µg/m <sup>3</sup> ) <sup>(1)</sup>	Detection Exceeds Comparison
	CS-AA-01			
	4/9-4/10/2023	4/10-4/11/2023		
	24 Hours	24 Hours		
Concentration (µg/m <sup>3</sup> )				
<b>Volatiles Organic Compounds</b>				
Acetone	< 11	< 11	19,000	No
Benzene	< 1.1	< 1.1	19	No
1,3-Butadiene	< 1.1	< 1.1	2.0	No
2-Butanone (MEK)	< 2.2	< 2.2	5,200 <sup>(3)</sup>	No
Bromomethane	< 1.1	< 1.1	78	No
Carbon Disulfide	< 2.2	< 2.3	800	No
Carbon Tetrachloride	< 1.1	< 1.1	190	No
Chloroethane (Ethyl Chloride)	< 1.1	< 1.1	30,000	No
Chloroform	< 1.1	< 1.1	240	No
Chloromethane	< 1.1	< 1.1	620	No
cis-1,2-Dichloroethene	< 1.1	< 1.1	8.3 <sup>(2)</sup>	No
Cumene (Isopropylbenzene)	< 1.1	< 1.1	420 <sup>(3)</sup>	No
1,4-Dichlorobenzene	< 1.1	< 1.1	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 1.1	< 1.1	4	No
Dichloromethane (Methylene Chloride)	< 1.1	< 1.1	1,000	No
1,2-Dichloropropane	< 1.1	< 1.1	9.2	No
1,4-Dioxane	< 1.1	< 1.1	720	No
Ethylbenzene	< 1.1	< 1.1	8,700	No
n-Hexane	< 1.1	< 1.1	2,100	No
2-Hexanone	< 2.3	< 2.3	31 <sup>(3)</sup>	No
4-Methyl-2-pentanone	< 2.3	< 2.3	3,100 <sup>(3)</sup>	No
Methyl tert-Butyl Ether	< 1.1	< 1.1	3,600	No
Naphthalene	< 1.2	< 1.2	3.7	No
n-Nonane	< 1.1	< 1.1	21 <sup>(3)</sup>	No
Styrene	< 1.1	< 1.1	850	No
1,1,2,2-Tetrachloroethane	< 1.1	< 1.1	83 <sup>(2)</sup>	No
Tetrachloroethene (PCE)	< 1.1	< 1.1	41	No
Toluene	< 1.1	< 1.1	420	No
1,1,1-Trichloroethane (TCA)	< 1.1	< 1.1	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.11	< 0.11	11	No
Trichloroethene (TCE)	< 1.1	< 1.1	2.2	No
Trichlorofluoromethane (CFC 11)	1.3	< 1.1	1,300 <sup>(2)</sup>	No
Trichlorotrifluoroethane	< 1.1	< 1.1	5,200 <sup>(3)</sup>	No
1,2,4-Trimethylbenzene	< 1.1	< 1.1	63 <sup>(3)</sup>	No
1,3,5-Trimethylbenzene	< 1.1	< 1.1	63 <sup>(3)</sup>	No
m,p-Xylenes	< 2.3	< 2.3	2,600	No
o-Xylene	< 1.1	< 1.1	2,600	No
Vinyl Acetate	< 11	< 11	35	No
Vinyl Chloride	< 1.1	< 1.1	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; April 2022) 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 (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 2020) or Note 10 (February 2019).

(3) USEPA Regional Screening Level (noncancer-based) for residential air (May 2022).

Samples were not collected on 4/11-4/16/2023 due to nearby road work.

No concentrations exceeded health-based screening levels

OFFSITE AIR MONITORING  
SUMMARY OF LABORATORY DATA  
4/9/2023 - 4/16/2023  
FINAL REMEDY CONSTRUCTION  
ASCEN LANDFILL SITE

Target Chemicals	STATION ID		Comparison Criteria (µg/m <sup>3</sup> ) <sup>(1)</sup>	Detection Exceeds Comparison
	CS-AA-02			
	4/9-4/10/2023	4/10-4/11/2023		
	24 Hours	24 Hours		
Concentration (µg/m <sup>3</sup> )				
<b>Volatle Organic Compounds</b>				
Acetone	< 11	< 11	19,000	No
Benzene	< 1.1	< 1.1	19	No
1,3-Butadiene	< 1.1	< 1.1	2.0	No
2-Butanone (MEK)	< 2.2	< 2.2	5,200 <sup>(3)</sup>	No
Bromomethane	< 1.1	< 1.1	78	No
Carbon Disulfide	< 2.2	< 2.3	800	No
Carbon Tetrachloride	< 1.1	< 1.1	190	No
Chloroethane (Ethyl Chloride)	< 1.1	< 1.1	30,000	No
Chloroform	< 1.1	< 1.1	240	No
Chloromethane	< 1.1	< 1.1	620	No
cis-1,2-Dichloroethene	< 1.1	< 1.1	8.3 <sup>(2)</sup>	No
Cumene (isopropylbenzene)	< 1.1	< 1.1	420 <sup>(3)</sup>	No
1,4-Dichlorobenzene	< 1.1	< 1.1	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 1.1	< 1.1	4	No
Dichloromethane (Methylene Chloride)	< 1.1	< 1.1	1,000	No
1,2-Dichloropropane	< 1.1	< 1.1	9.2	No
1,4-Dioxane	< 1.1	< 1.1	720	No
Ethylbenzene	< 1.1	< 1.1	8,700	No
n-Hexane	< 1.1	< 1.1	2,100	No
2-Hexanone	< 2.3	< 2.3	31 <sup>(3)</sup>	No
4-Methyl-2-pentanone	< 2.3	< 2.3	3,100 <sup>(3)</sup>	No
Methyl tert-Butyl Ether	< 1.1	< 1.1	3,600	No
Naphthalene	< 1.2	< 1.2	3.7	No
n-Nonane	< 1.1	< 1.1	21 <sup>(3)</sup>	No
Styrene	< 1.1	< 1.1	850	No
1,1,2,2-Tetrachloroethane	< 1.1	< 1.1	83 <sup>(2)</sup>	No
Tetrachloroethene (PCE)	< 1.1	< 1.1	41	No
Toluene	< 1.1	< 1.1	420	No
1,1,1-Trichloroethane (TCA)	< 1.1	< 1.1	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.11	< 0.11	11	No
Trichloroethene (TCE)	< 1.1	< 1.1	2.2	No
Trichlorofluoromethane (CFC 11)	1.4	< 1.1	1,300 <sup>(2)</sup>	No
Trichlorotrifluoroethane	< 1.1	< 1.1	5,200 <sup>(3)</sup>	No
1,2,4-Trimethylbenzene	< 1.1	< 1.1	63 <sup>(3)</sup>	No
1,3,5-Trimethylbenzene	< 1.1	< 1.1	63 <sup>(3)</sup>	No
m,p-Xylenes	< 2.3	< 2.3	2,600	No
o-Xylene	< 1.1	< 1.1	2,600	No
Vinyl Acetate	< 11	< 11	35	No
Vinyl Chloride	< 1.1	< 1.1	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; April 2022) 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 (unless otherwise noted).

A comparison criteria is a screening level considered to be health protective by state and federal regulatory agencies for airborne chemicals.

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(2) Department of Toxic Substances Control (DTSC) HERO Note 3 residential screening level (noncancer-based) for air (June 2020) or Note 10 (February 2019).

(3) USEPA Regional Screening Level (noncancer-based) for residential air (May 2022).

Samples were not collected on 4/11-4/16/2023 due to nearby road work.

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OFFSITE AIR MONITORING  
SUMMARY OF LABORATORY DATA  
4/9/2023 - 4/16/2023  
FINAL REMEDY CONSTRUCTION  
ASCEN LANDFILL SITE

Target Chemicals	STATION ID		Comparison Criteria (µg/m <sup>3</sup> ) <sup>(1)</sup>	Detection Exceeds Comparison
	CS-AA-03			
	4/9-4/10/2023	4/10-4/11/2023		
	24 Hours	24 Hours		
Concentration (µg/m <sup>3</sup> )				
<b>Volatle Organic Compounds</b>				
Acetone	< 9.9	< 11	19,000	No
Benzene	< 1.0	< 1.1	19	No
1,3-Butadiene	< 1.0	< 1.1	2.0	No
2-Butanone (MEK)	< 2.0	< 2.1	5,200 <sup>(3)</sup>	No
Bromomethane	< 0.96	< 1.1	78	No
Carbon Disulfide	< 2.0	< 2.2	800	No
Carbon Tetrachloride	< 0.98	< 1.1	190	No
Chloroethane (Ethyl Chloride)	< 0.98	< 1.1	30,000	No
Chloroform	< 1.0	< 1.1	240	No
Chloromethane	< 0.98	< 1.1	620	No
cis-1,2-Dichloroethene	< 1.0	< 1.1	8.3 <sup>(2)</sup>	No
Cumene (Isopropylbenzene)	< 1.0	< 1.1	420 <sup>(3)</sup>	No
1,4-Dichlorobenzene	< 1.0	< 1.1	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 1.0	< 1.1	4	No
Dichloromethane (Methylene Chloride)	< 1.0	< 1.1	1,000	No
1,2-Dichloropropane	< 1.0	< 1.1	9.2	No
1,4-Dioxane	< 1.0	< 1.1	720	No
Ethylbenzene	< 1.0	< 1.1	8,700	No
n-Hexane	< 1.0	< 1.1	2,100	No
2-Hexanone	< 2.1	< 2.3	31 <sup>(3)</sup>	No
4-Methyl-2-pentanone	< 2.1	< 2.3	3,100 <sup>(3)</sup>	No
Methyl tert-Butyl Ether	< 1.0	< 1.1	3,600	No
Naphthalene	< 1.0	< 1.1	3.7	No
n-Nonane	< 1.0	< 1.1	21 <sup>(3)</sup>	No
Styrene	< 1.0	< 1.1	850	No
1,1,2,2-Tetrachloroethane	< 1.0	< 1.1	83 <sup>(2)</sup>	No
Tetrachloroethene (PCE)	< 1.0	< 1.1	41	No
Toluene	< 1.0	< 1.1	420	No
1,1,1-Trichloroethane (TCA)	< 1.0	< 1.1	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.10	< 0.11	11	No
Trichloroethene (TCE)	< 1.0	< 1.1	2.2	No
Trichlorofluoromethane (CFC 11)	1.4	< 1.1	1,300 <sup>(2)</sup>	No
Trichlorotrifluoroethane	< 1.0	< 1.1	5,200 <sup>(3)</sup>	No
1,2,4-Trimethylbenzene	< 1.0	< 1.1	63 <sup>(3)</sup>	No
1,3,5-Trimethylbenzene	< 1.0	< 1.1	63 <sup>(3)</sup>	No
m,p-Xylenes	< 2.1	< 2.3	2,600	No
o-Xylene	< 1.0	< 1.1	2,600	No
Vinyl Acetate	< 9.4	< 10	35	No
Vinyl Chloride	< 0.96	< 1.1	77	No

Notes:

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(3) USEPA Regional Screening Level (noncancer-based) for residential air (May 2022).

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OFFSITE AIR MONITORING  
SUMMARY OF LABORATORY DATA  
4/9/2023 - 4/16/2023  
FINAL REMEDY CONSTRUCTION  
ASCON LANDFILL SITE

Target Chemicals	STATION ID		Comparison Criteria (µg/m <sup>3</sup> ) <sup>(1)</sup>	Detection Exceeds Comparison
	CS-AA-04			
	4/9-4/10/2023	4/10-4/11/2023		
	24 Hours	24 Hours		
Concentration (µg/m <sup>3</sup> )				
<b>Volatle Organic Compounds</b>				
Acetone	< 14	< 12	19,000	No
Benzene	< 1.4	< 1.2	19	No
1,3-Butadiene	< 1.4	< 1.2	2.0	No
2-Butanone (MEK)	< 2.7	< 2.4	5,200 <sup>(3)</sup>	No
Bromomethane	< 1.3	< 1.2	78	No
Carbon Disulfide	< 2.8	< 2.4	800	No
Carbon Tetrachloride	< 1.4	< 1.2	190	No
Chloroethane (Ethyl Chloride)	< 1.4	< 1.2	30,000	No
Chloroform	< 1.4	< 1.2	240	No
Chloromethane	< 1.4	< 1.2	620	No
cis-1,2-Dichloroethene	< 1.4	< 1.2	8.3 <sup>(2)</sup>	No
Cumene (Isopropylbenzene)	< 1.4	< 1.2	420 <sup>(3)</sup>	No
1,4-Dichlorobenzene	< 1.4	< 1.2	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 1.4	< 1.2	4	No
Dichloromethane (Methylene Chloride)	< 1.4	< 1.2	1,000	No
1,2-Dichloropropane	< 1.4	< 1.2	9.2	No
1,4-Dioxane	< 1.4	< 1.2	720	No
Ethylbenzene	< 1.4	< 1.2	8,700	No
n-Hexane	< 1.4	< 1.2	2,100	No
2-Hexanone	< 2.9	< 2.5	31 <sup>(3)</sup>	No
4-Methyl-2-pentanone	< 2.9	< 2.5	3,100 <sup>(3)</sup>	No
Methyl tert-Butyl Ether	< 1.4	< 1.2	3,600	No
Naphthalene	< 1.4	< 1.2	3.7	No
n-Nonane	< 1.4	< 1.2	21 <sup>(3)</sup>	No
Styrene	< 1.4	< 1.2	850	No
1,1,2,2-Tetrachloroethane	< 1.4	< 1.2	83 <sup>(2)</sup>	No
Tetrachloroethene (PCE)	< 1.4	< 1.2	41	No
Toluene	< 1.4	< 1.2	420	No
1,1,1-Trichloroethane (TCA)	< 1.4	< 1.2	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.14	< 0.12	11	No
Trichloroethene (TCE)	< 1.4	< 1.2	2.2	No
Trichlorofluoromethane (CFC 11)	< 1.4	< 1.2	1,300 <sup>(2)</sup>	No
Trichlorotrifluoroethane	< 1.4	< 1.2	5,200 <sup>(3)</sup>	No
1,2,4-Trimethylbenzene	< 1.4	< 1.2	63 <sup>(3)</sup>	No
1,3,5-Trimethylbenzene	< 1.4	< 1.2	63 <sup>(3)</sup>	No
m,p-Xylenes	< 2.9	< 2.5	2,600	No
o-Xylene	< 1.4	< 1.2	2,600	No
Vinyl Acetate	< 13	< 11	35	No
Vinyl Chloride	< 1.3	< 1.2	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 2020) or Note 10 (February 2019).

(3) USEPA Regional Screening Level (noncancer-based) for residential air (May 2022).

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## OFFSITE AIR MONITORING SUMMARY OF LABORATORY DATA 4/9/2023 - 4/16/2023 FINAL REMEDY CONSTRUCTION ASCON LANDFILL SITE

Target Chemicals	STATION ID		Comparison Criteria ( $\mu\text{g}/\text{m}^3$ ) <sup>(1)</sup>	Detection Exceeds Comparison
	CS-AA-05			
	4/9-4/10/2023	4/10-4/11/2023		
	24 Hours	24 Hours		
Concentration ( $\mu\text{g}/\text{m}^3$ )				
<b>Volatle Organic Compounds</b>				
Acetone	< 11	< 13	19,000	No
Benzene	< 1.2	< 1.3	19	No
1,3-Butadiene	< 1.2	< 1.3	2.0	No
2-Butanone (MEK)	< 2.3	< 2.5	5,200 <sup>(3)</sup>	No
Bromomethane	< 1.1	< 1.2	78	No
Carbon Disulfide	< 2.3	< 2.6	800	No
Carbon Tetrachloride	< 1.1	< 1.3	190	No
Chloroethane (Ethyl Chloride)	< 1.1	< 1.3	30,000	No
Chloroform	< 1.2	< 1.3	240	No
Chloromethane	< 1.1	< 1.3	620	No
cis-1,2-Dichloroethene	< 1.2	< 1.3	8.3 <sup>(2)</sup>	No
Cumene (Isopropylbenzene)	< 1.2	< 1.3	420 <sup>(3)</sup>	No
1,4-Dichlorobenzene	< 1.2	< 1.3	1,200	No
1,1-Dichloroethene (1,1-DCE)	< 1.2	< 1.3	4	No
Dichloromethane (Methylene Chloride)	< 1.2	< 1.3	1,000	No
1,2-Dichloropropane	< 1.2	< 1.3	9.2	No
1,4-Dioxane	< 1.2	< 1.3	720	No
Ethylbenzene	< 1.2	< 1.3	8,700	No
n-Hexane	< 1.2	< 1.3	2,100	No
2-Hexanone	< 2.4	< 2.7	31 <sup>(3)</sup>	No
4-Methyl-2-pentanone	< 2.4	< 2.7	3,100 <sup>(3)</sup>	No
Methyl tert-Butyl Ether	< 1.2	< 1.3	3,600	No
Naphthalene	< 1.2	< 1.3	3.7	No
n-Nonane	< 1.2	< 1.3	21 <sup>(3)</sup>	No
Styrene	< 1.2	< 1.3	850	No
1,1,2,2-Tetrachloroethane	< 1.2	< 1.3	83 <sup>(2)</sup>	No
Tetrachloroethene (PCE)	< 1.2	< 1.3	41	No
Toluene	< 1.2	< 1.3	420	No
1,1,1-Trichloroethane (TCA)	< 1.2	< 1.3	3,800	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.12	< 0.13	11	No
Trichloroethene (TCE)	< 1.2	< 1.3	2.2	No
Trichlorofluoromethane (CFC 11)	1.4	< 1.3	1,300 <sup>(2)</sup>	No
Trichlorotrifluoroethane	< 1.2	< 1.3	5,200 <sup>(3)</sup>	No
1,2,4-Trimethylbenzene	< 1.2	< 1.3	63 <sup>(3)</sup>	No
1,3,5-Trimethylbenzene	< 1.2	< 1.3	63 <sup>(3)</sup>	No
m,p-Xylenes	< 2.4	< 2.7	2,600	No
o-Xylene	< 1.2	< 1.3	2,600	No
Vinyl Acetate	< 11	< 12	35	No
Vinyl Chloride	< 1.1	< 1.2	77	No

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