

No concentrations exceeded health-based screening levels

OFFSITE AIR MONITORING
SUMMARY OF LABORATORY DATA
10/8/2023 - 10/15/2023
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE

Target Chemicals	STATION ID						Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison	
	CS-AA-01								
	10/8-10/9/2023	10/9-10/10/2023	10/10-10/11/2023	10/11-10/12/2023	10/12-10/13/2023	10/13-10/14/2023			10/14-10/15/2023
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours			24 Hours
Concentration (µg/m ³)									
Volatile Organic Compounds									
Acetone	--	< 7.5	--	--	--	--	19,000	No	
Benzene	--	< 0.77	--	--	--	--	19	No	
1,3-Butadiene	--	< 0.75	--	--	--	--	2.0	No	
2-Butanone (MEK)	--	< 1.5	--	--	--	--	5,200 ⁽³⁾	No	
Bromomethane	--	< 0.72	--	--	--	--	78	No	
Carbon Disulfide	--	< 1.5	--	--	--	--	800	No	
Carbon Tetrachloride	--	< 0.74	--	--	--	--	190	No	
Chloroethane (Ethyl Chloride)	--	< 0.74	--	--	--	--	30,000	No	
Chloroform	--	< 0.75	--	--	--	--	240	No	
Chloromethane	--	< 0.74	--	--	--	--	620	No	
cis-1,2-Dichloroethene	--	< 0.75	--	--	--	--	8.3 ⁽²⁾	No	
Cumene (Isopropylbenzene)	--	< 0.77	--	--	--	--	420 ⁽³⁾	No	
1,4-Dichlorobenzene	--	< 0.75	--	--	--	--	1,200	No	
1,1-Dichloroethene (1,1-DCE)	--	< 0.77	--	--	--	--	4	No	
Dichloromethane (Methylene Chloride)	--	< 0.75	--	--	--	--	1,000	No	
1,2-Dichloropropane	--	< 0.75	--	--	--	--	9.2	No	
1,4-Dioxane	--	< 0.75	--	--	--	--	720	No	
Ethylbenzene	--	< 0.75	--	--	--	--	8,700	No	
n-Hexane	--	< 0.75	--	--	--	--	2,100	No	
2-Hexanone	--	< 1.6	--	--	--	--	31 ⁽³⁾	No	
4-Methyl-2-pentanone	--	< 1.6	--	--	--	--	3,100 ⁽³⁾	No	
Methyl tert-Butyl Ether	--	< 0.77	--	--	--	--	3,600	No	
Naphthalene	--	< 0.78	--	--	--	--	3.7	No	
n-Nonane	--	< 0.75	--	--	--	--	21 ⁽³⁾	No	
Styrene	--	< 0.75	--	--	--	--	850	No	
1,1,2,2-Tetrachloroethane	--	< 0.75	--	--	--	--	83 ⁽²⁾	No	
Tetrachloroethene (PCE)	--	< 0.75	--	--	--	--	41	No	
Toluene	--	1.0	--	--	--	--	420	No	
1,1,1-Trichloroethane (TCA)	--	< 0.75	--	--	--	--	3,800	No	
1,1,2-Trichloroethane (Vinyl Chloroform)	--	< 0.077	--	--	--	--	11	No	
Trichloroethene (TCE)	--	< 0.75	--	--	--	--	2.2	No	
Trichlorofluoromethane (CFC 11)	--	1.1	--	--	--	--	1,300 ⁽²⁾	No	
Trichlorotrifluoroethane	--	< 0.77	--	--	--	--	5,200 ⁽³⁾	No	
1,2,4-Trimethylbenzene	--	< 0.75	--	--	--	--	63 ⁽³⁾	No	
1,3,5-Trimethylbenzene	--	< 0.75	--	--	--	--	63 ⁽³⁾	No	
m,p-Xylenes	--	< 1.6	--	--	--	--	2,600	No	
o-Xylene	--	< 0.75	--	--	--	--	2,600	No	
Vinyl Acetate	--	< 7.1	--	--	--	--	35	No	
Vinyl Chloride	--	< 0.72	--	--	--	--	51	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 2023) 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, revised May 2022) or Note 10 (February 2019).

(3) USEPA Regional Screening Level (noncancer-based) for residential air (May 2023).

Sample on 10/8-10/9/2023 was rejected due to equipment malfunction.

DTSC approved an offsite air monitoring pause starting 10/10/23 until restart work.

No concentrations exceeded health-based screening levels

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SUMMARY OF LABORATORY DATA
10/8/2023 - 10/15/2023
FINAL REMEDY CONSTRUCTION
ASCION LANDFILL SITE

Target Chemicals	STATION ID						Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison	
	CS-AA-02								
	10/8-10/9/2023	10/9-10/10/2023	10/10-10/11/2023	10/11-10/12/2023	10/12-10/13/2023	10/13-10/14/2023			10/14-10/15/2023
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours			24 Hours
Concentration (µg/m ³)									
Volatile Organic Compounds									
Acetone	< 9.6	< 10	--	--	--	--	19,000	No	
Benzene	< 0.99	< 1.1	--	--	--	--	19	No	
1,3-Butadiene	< 0.97	< 1.0	--	--	--	--	2.0	No	
2-Butanone (MEK)	< 1.9	< 2.0	--	--	--	--	5,200 ⁽³⁾	No	
Bromomethane	< 0.93	< 0.99	--	--	--	--	78	No	
Carbon Disulfide	< 2.0	< 2.1	--	--	--	--	800	No	
Carbon Tetrachloride	< 0.95	< 1.0	--	--	--	--	190	No	
Chloroethane (Ethyl Chloride)	< 0.95	< 1.0	--	--	--	--	30,000	No	
Chloroform	< 0.97	< 1.0	--	--	--	--	240	No	
Chloromethane	< 0.95	< 1.0	--	--	--	--	620	No	
cis-1,2-Dichloroethene	< 0.97	< 1.0	--	--	--	--	8.3 ⁽²⁾	No	
Cumene (isopropylbenzene)	< 0.99	< 1.1	--	--	--	--	420 ⁽²⁾	No	
1,4-Dichlorobenzene	< 0.97	< 1.0	--	--	--	--	1,200	No	
1,1-Dichloroethene (1,1-DCE)	< 0.99	< 1.1	--	--	--	--	4	No	
Dichloromethane (Methylene Chloride)	< 0.97	< 1.0	--	--	--	--	1,000	No	
1,2-Dichloropropane	< 0.97	< 1.0	--	--	--	--	9.2	No	
1,4-Dioxane	< 0.97	< 1.0	--	--	--	--	720	No	
Ethylbenzene	< 0.97	< 1.0	--	--	--	--	8,700	No	
n-Hexane	< 0.97	< 1.0	--	--	--	--	2,100	No	
2-Hexanone	< 2.0	< 2.1	--	--	--	--	31 ⁽³⁾	No	
4-Methyl-2-pentanone	< 2.0	< 2.1	--	--	--	--	3,100 ⁽³⁾	No	
Methyl tert-Butyl Ether	< 0.99	< 1.1	--	--	--	--	3,600	No	
Naphthalene	< 1.0	< 1.1	--	--	--	--	3.7	No	
n-Nonane	< 0.97	< 1.0	--	--	--	--	21 ⁽³⁾	No	
Styrene	< 0.97	< 1.0	--	--	--	--	850	No	
1,1,2,2-Tetrachloroethane	< 0.97	< 1.0	--	--	--	--	83 ⁽²⁾	No	
Tetrachloroethene (PCE)	< 0.97	< 1.0	--	--	--	--	41	No	
Toluene	< 0.97	< 1.0	--	--	--	--	420	No	
1,1,1-Trichloroethane (TCA)	< 0.97	< 1.0	--	--	--	--	3,800	No	
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.099	< 0.11	--	--	--	--	11	No	
Trichloroethene (TCE)	< 0.97	< 1.0	--	--	--	--	2.2	No	
Trichlorofluoromethane (CFC 11)	< 0.95	1.1	--	--	--	--	1,300 ⁽²⁾	No	
Trichlorotrifluoroethane	< 0.99	< 1.1	--	--	--	--	5,200 ⁽³⁾	No	
1,2,4-Trimethylbenzene	< 0.97	< 1.0	--	--	--	--	63 ⁽³⁾	No	
1,3,5-Trimethylbenzene	< 0.97	< 1.0	--	--	--	--	63 ⁽³⁾	No	
m,p-Xylenes	< 2.0	< 2.1	--	--	--	--	2,600	No	
o-Xylene	< 0.97	< 1.0	--	--	--	--	2,600	No	
Vinyl Acetate	< 9.2	< 9.8	--	--	--	--	35	No	
Vinyl Chloride	< 0.93	< 0.99	--	--	--	--	51	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 2023) 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, revised May 2022) or Note 10 (February 2019).

(3) USEPA Regional Screening Level (noncancer-based) for residential air (May 2023).

DTSC approved an offsite air monitoring pause starting 10/10/23 until restart work.

No concentrations exceeded health-based screening levels

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SUMMARY OF LABORATORY DATA
10/8/2023 - 10/15/2023
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE

Target Chemicals	STATION ID						Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison	
	CS-AA-03								
	10/8-10/9/2023	10/9-10/10/2023	10/10-10/11/2023	10/11-10/12/2023	10/12-10/13/2023	10/13-10/14/2023			10/14-10/15/2023
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours			24 Hours
Concentration (µg/m ³)									
Volatile Organic Compounds									
Acetone	< 9.7	< 9.8	--	--	--	--	19,000	No	
Benzene	< 0.99	< 1.0	--	--	--	--	19	No	
1,3-Butadiene	< 0.98	< 0.99	--	--	--	--	2.0	No	
2-Butanone (MEK)	< 1.9	< 1.9	--	--	--	--	5,200 ⁽³⁾	No	
Bromomethane	< 0.94	< 0.95	--	--	--	--	78	No	
Carbon Disulfide	< 2.0	< 2.0	--	--	--	--	800	No	
Carbon Tetrachloride	< 0.96	< 0.97	--	--	--	--	190	No	
Chloroethane (Ethyl Chloride)	< 0.96	< 0.97	--	--	--	--	30,000	No	
Chloroform	< 0.98	< 0.99	--	--	--	--	240	No	
Chloromethane	< 0.96	< 0.97	--	--	--	--	620	No	
cis-1,2-Dichloroethene	< 0.98	< 0.99	--	--	--	--	8.3 ⁽²⁾	No	
Cumene (Isopropylbenzene)	< 0.99	< 1.0	--	--	--	--	420 ⁽²⁾	No	
1,4-Dichlorobenzene	< 0.98	< 0.99	--	--	--	--	1,200	No	
1,1-Dichloroethene (1,1-DCE)	< 0.99	< 1.0	--	--	--	--	4	No	
Dichloromethane (Methylene Chloride)	< 0.98	< 0.99	--	--	--	--	1,000	No	
1,2-Dichloropropane	< 0.98	< 0.99	--	--	--	--	9.2	No	
1,4-Dioxane	< 0.98	< 0.99	--	--	--	--	720	No	
Ethylbenzene	< 0.98	< 0.99	--	--	--	--	8,700	No	
n-Hexane	< 0.98	< 0.99	--	--	--	--	2,100	No	
2-Hexanone	< 2.0	< 2.0	--	--	--	--	31 ⁽³⁾	No	
4-Methyl-2-pentanone	< 2.0	< 2.0	--	--	--	--	3,100 ⁽³⁾	No	
Methyl tert-Butyl Ether	< 0.99	< 1.0	--	--	--	--	3,600	No	
Naphthalene	< 1.0	< 1.0	--	--	--	--	3.7	No	
n-Nonane	< 0.98	< 0.99	--	--	--	--	21 ⁽³⁾	No	
Styrene	< 0.98	< 0.99	--	--	--	--	850	No	
1,1,2,2-Tetrachloroethane	< 0.98	< 0.99	--	--	--	--	83 ⁽²⁾	No	
Tetrachloroethene (PCE)	< 0.98	< 0.99	--	--	--	--	41	No	
Toluene	< 0.98	< 0.99	--	--	--	--	420	No	
1,1,1-Trichloroethane (TCA)	< 0.98	< 0.99	--	--	--	--	3,800	No	
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.099	< 0.10	--	--	--	--	11	No	
Trichloroethene (TCE)	< 0.98	< 0.99	--	--	--	--	2.2	No	
Trichlorofluoromethane (CFC 11)	< 0.96	1.1	--	--	--	--	1,300 ⁽²⁾	No	
Trichlorotrifluoroethane	< 0.99	< 1.0	--	--	--	--	5,200 ⁽³⁾	No	
1,2,4-Trimethylbenzene	< 0.98	< 0.99	--	--	--	--	63 ⁽³⁾	No	
1,3,5-Trimethylbenzene	< 0.98	< 0.99	--	--	--	--	63 ⁽³⁾	No	
m,p-Xylenes	< 2.0	< 2.0	--	--	--	--	2,600	No	
o-Xylene	< 0.98	< 0.99	--	--	--	--	2,600	No	
Vinyl Acetate	< 9.2	< 9.3	--	--	--	--	35	No	
Vinyl Chloride	< 0.94	< 0.95	--	--	--	--	51	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 2023) 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).

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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 2020, revised May 2022) or Note 10 (February 2019).

(3) USEPA Regional Screening Level (noncancer-based) for residential air (May 2023).

DTSC approved an offsite air monitoring pause starting 10/10/23 until restart work.

No concentrations exceeded health-based screening levels

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SUMMARY OF LABORATORY DATA
10/8/2023 - 10/15/2023
FINAL REMEDY CONSTRUCTION
ASCION LANDFILL SITE

Target Chemicals	STATION ID						Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison	
	CS-AA-04								
	10/8-10/9/2023	10/9-10/10/2023	10/10-10/11/2023	10/11-10/12/2023	10/12-10/13/2023	10/13-10/14/2023			10/14-10/15/2023
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours			24 Hours
Concentration (µg/m ³)									
Volatile Organic Compounds									
Acetone	< 9.9	< 9.7	--	--	--	--	19,000	No	
Benzene	< 1.0	< 0.99	--	--	--	--	19	No	
1,3-Butadiene	< 1.0	< 0.98	--	--	--	--	2.0	No	
2-Butanone (MEK)	< 2.0	< 1.9	--	--	--	--	5,200 ⁽³⁾	No	
Bromomethane	< 0.96	< 0.94	--	--	--	--	78	No	
Carbon Disulfide	< 2.0	< 2.0	--	--	--	--	800	No	
Carbon Tetrachloride	< 0.98	< 0.96	--	--	--	--	190	No	
Chloroethane (Ethyl Chloride)	< 0.98	< 0.96	--	--	--	--	30,000	No	
Chloroform	< 1.0	< 0.98	--	--	--	--	240	No	
Chloromethane	< 0.98	< 0.96	--	--	--	--	620	No	
cis-1,2-Dichloroethene	< 1.0	< 0.98	--	--	--	--	8.3 ⁽²⁾	No	
Cumene (Isopropylbenzene)	< 1.0	< 0.99	--	--	--	--	420 ⁽²⁾	No	
1,4-Dichlorobenzene	< 1.0	< 0.98	--	--	--	--	1,200	No	
1,1-Dichloroethene (1,1-DCE)	< 1.0	< 0.99	--	--	--	--	4	No	
Dichloromethane (Methylene Chloride)	< 1.0	< 0.98	--	--	--	--	1,000	No	
1,2-Dichloropropane	< 1.0	< 0.98	--	--	--	--	9.2	No	
1,4-Dioxane	< 1.0	< 0.98	--	--	--	--	720	No	
Ethylbenzene	< 1.0	< 0.98	--	--	--	--	8,700	No	
n-Hexane	< 1.0	< 0.98	--	--	--	--	2,100	No	
2-Hexanone	< 2.1	< 2.0	--	--	--	--	31 ⁽³⁾	No	
4-Methyl-2-pentanone	< 2.1	< 2.0	--	--	--	--	3,100 ⁽³⁾	No	
Methyl tert-Butyl Ether	< 1.0	< 0.99	--	--	--	--	3,600	No	
Naphthalene	< 1.0	< 1.0	--	--	--	--	3.7	No	
n-Nonane	< 1.0	< 0.98	--	--	--	--	21 ⁽³⁾	No	
Styrene	< 1.0	< 0.98	--	--	--	--	850	No	
1,1,2,2-Tetrachloroethane	< 1.0	< 0.98	--	--	--	--	83 ⁽²⁾	No	
Tetrachloroethene (PCE)	< 1.0	< 0.98	--	--	--	--	41	No	
Toluene	< 1.0	< 0.98	--	--	--	--	420	No	
1,1,1-Trichloroethane (TCA)	< 1.0	< 0.98	--	--	--	--	3,800	No	
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.10	< 0.099	--	--	--	--	11	No	
Trichloroethene (TCE)	< 1.0	< 0.98	--	--	--	--	2.2	No	
Trichlorofluoromethane (CFC 11)	< 0.98	1.1	--	--	--	--	1,300 ⁽²⁾	No	
Trichlorotrifluoroethane	< 1.0	< 0.99	--	--	--	--	5,200 ⁽³⁾	No	
1,2,4-Trimethylbenzene	< 1.0	< 0.98	--	--	--	--	63 ⁽³⁾	No	
1,3,5-Trimethylbenzene	< 1.0	< 0.98	--	--	--	--	63 ⁽³⁾	No	
m,p-Xylenes	< 2.1	< 2.0	--	--	--	--	2,600	No	
o-Xylene	< 1.0	< 0.98	--	--	--	--	2,600	No	
Vinyl Acetate	< 9.4	< 9.2	--	--	--	--	35	No	
Vinyl Chloride	< 0.96	< 0.94	--	--	--	--	51	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, revised May 2022) or Note 10 (February 2019).

(3) USEPA Regional Screening Level (noncancer-based) for residential air (May 2023).

DTSC approved an offsite air monitoring pause starting 10/10/23 until restart work.