

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING SUMMARY OF LABORATORY DATA 11/11/2024 - 11/18/2024 FINAL REMEDY CONSTRUCTION ASCEN LANDFILL SITE

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-01								
	11/11-11/12/2024	11/12-11/13/2024	11/13-11/14/2024	11/14-11/15/2024	11/15-11/16/2024	11/16-11/17/2024	11/17-11/18/2024		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Volatile Organic Compounds									
1,1,1-Trichloroethane (TCA)	< 1.0	< 0.97	< 1.0	< 0.95	< 1.0	< 0.96	< 0.92	3,800	No
1,1,2,2-Tetrachloroethane	< 1.1	< 1.0	< 1.1	< 0.99	< 1.1	< 1.0	< 0.95	83 ⁽²⁾	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 1.1	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0	< 0.97	11	No
1,1-Dichloroethane (Ethylene Dichloride)	< 1.0	< 0.97	< 1.0	< 0.95	< 1.0	< 0.96	< 0.92	830 ⁽²⁾	No
1,1-Dichloroethene (1,1-DCE)	< 0.88	< 0.84	< 0.89	< 0.82	< 0.89	< 0.83	< 0.79	4.0	No
1,2,4-Trimethylbenzene	< 1.0	< 0.97	< 1.0	< 0.95	< 1.0	< 0.96	< 0.92	4.0	No
1,2-Dibromo-3-Chloropropane (DBCP)	< 0.41	< 0.39	< 0.42	< 0.38	< 0.41	< 0.39	< 0.37	1.9	No
1,2-Dichloropropane	< 1.1	< 1.0	< 1.1	< 0.99	< 1.1	< 1.0	< 0.95	9.2	No
1,3,5-Trimethylbenzene	< 1.1	< 1.0	< 1.1	< 0.99	< 1.1	< 1.0	< 0.95	4.0	No
1,3-Butadiene	< 1.0	< 0.99	< 1.0	< 0.97	< 1.0	< 0.98	< 0.93	2.0	No
1,4-Dichlorobenzene	< 1.0	< 0.97	< 1.0	< 0.95	< 1.0	< 0.96	< 0.92	1,200	No
1,4-Dioxane	< 1.0	< 0.97	< 1.0	< 0.95	< 1.0	< 0.96	< 0.92	720	No
2-Butanone (MEK)	< 2.0	< 1.9	< 2.0	< 1.9	< 2.0	< 1.9	< 1.8	5,200 ⁽³⁾	No
2-Hexanone	< 2.0	< 1.9	< 2.0	< 1.9	< 2.0	< 1.9	< 1.8	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 2.0	< 2.0	< 2.1	< 1.9	< 2.1	< 1.9	< 1.8	3,100 ⁽³⁾	No
Acetone	< 10	14	24	< 9.4	< 10	11	< 9.0	19,000 ⁽⁴⁾	No
Acrolein	< 0.60	< 0.58	< 0.61	< 0.57	< 0.61	< 0.57	< 0.55	0.92	No
Acrylonitrile	< 0.49	< 0.47	< 0.50	< 0.46	< 0.49	< 0.46	< 0.44	2.0	No
Benzene	< 0.99	< 0.95	1.1	< 0.93	< 1.0	< 0.94	< 0.90	19	No
Bromomethane	< 0.99	< 0.95	< 1.0	< 0.93	< 1.0	< 0.94	< 0.90	78	No
Carbon Disulfide	< 2.0	< 1.9	< 2.1	< 1.9	< 2.0	< 1.9	< 1.8	800	No
Carbon Tetrachloride	< 1.0	< 0.97	< 1.0	< 0.95	< 1.0	< 0.96	< 0.92	190	No
Chlorobenzene	< 1.1	< 1.0	< 1.1	< 0.99	< 1.1	< 1.0	< 0.95	1,000	No
Chloroethane (Ethyl Chloride)	< 1.1	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0	< 0.97	34,000	No
Chloroform	< 1.1	< 1.0	< 1.1	< 0.99	< 1.1	< 1.0	< 0.95	3.9	No
Chloromethane	< 1.1	< 1.0	1.1	< 0.99	< 1.1	1.1	< 0.95	620	No
cis-1,2-Dichloroethene	< 1.0	< 0.97	< 1.0	< 0.95	< 1.0	< 0.96	< 0.92	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 1.0	< 0.97	< 1.0	< 0.95	< 1.0	< 0.96	< 0.92	420 ⁽³⁾	No
Dichloromethane (Methylene Chloride)	< 0.90	< 0.86	1.7	< 0.84	< 0.91	< 0.85	< 0.81	1,000	No
Ethylbenzene	< 1.1	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0	< 0.97	8,700	No
Ethylene Dibromide (1,2-Dibromoethane)	< 0.12	< 0.12	< 0.12	< 0.11	< 0.12	< 0.11	< 0.11	0.8	No
Ethylene Dichloride (1,2-Dichloroethane)	< 0.99	< 0.95	< 1.0	< 0.93	< 1.0	< 0.94	< 0.90	400	No
Isopropyl Alcohol (Isopropanol)	2.0	5.3	6.0	< 1.8	< 2.0	3.7	2.5	7,000	No
m,p-Xylenes	< 2.1	< 2.0	< 2.1	< 2.0	< 2.1	< 2.0	< 1.9	2,600	No
Methyl Methacrylate	< 2.1	< 2.0	< 2.1	< 1.9	< 2.1	< 2.0	< 1.9	730 ⁽⁵⁾	No
Methyl tert-Butyl Ether	< 1.1	< 1.0	< 1.1	< 0.99	< 1.1	< 1.0	< 0.95	3,600	No
Naphthalene	< 0.99	< 0.95	< 1.0	< 0.93	< 1.0	< 0.94	< 0.90	9.0	No
n-Hexane	< 1.0	< 0.99	1.2	< 0.97	< 1.0	< 0.98	< 0.93	1,400	No
n-Nonane	< 1.0	< 0.97	< 1.0	< 0.95	< 1.0	< 0.96	< 0.92	21 ⁽³⁾	No
o-Xylene	< 1.1	< 1.0	< 1.1	< 0.99	< 1.1	< 1.0	< 0.95	2,600	No
Phenol	NF	NF	NF	NF	NF	NF	NF	200	No
Propylene (Propene)	< 1.0	< 0.99	< 1.0	< 0.97	< 1.0	< 0.98	< 0.93	3,000	No
Styrene	< 1.0	< 0.99	< 1.0	< 0.97	< 1.0	< 0.98	< 0.93	900	No
Tetrachloroethene (PCE)	< 1.1	< 1.0	< 1.1	< 0.99	< 1.1	< 1.0	< 0.95	41	No
Toluene	< 1.1	2.0	3.0	< 0.99	< 1.1	1.7	1.3	420	No
Trichloroethene (TCE)	< 1.0	< 0.97	< 1.0	< 0.95	< 1.0	< 0.96	< 0.92	2.2	No
Trichlorofluoromethane (CFC 11)	< 0.99	< 0.95	< 1.0	0.98	1.2	1.0	1.1	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.88	< 0.84	< 0.89	< 0.82	< 0.89	< 0.83	< 0.79	5,200 ⁽³⁾	No
Vinyl Acetate	< 10	< 10	< 11	< 9.8	< 11	< 9.9	< 9.5	2,500	No
Vinyl Chloride	< 1.0	< 0.99	< 1.0	< 0.97	< 1.0	< 0.98	< 0.93	51	No
Sulfur Compounds									
Carbon Disulfide	< 6.1	< 5.8	< 6.2	< 5.7	< 6.1	< 5.8	< 5.5	800	No
Carbonyl Sulfide	< 9.1	< 8.7	< 9.2	< 8.5	< 9.2	< 8.6	< 8.2	10	No
Dimethyl Sulfide	< 9.9	< 9.4	< 10	< 9.3	< 10	< 9.4	< 8.9	250 ⁽⁵⁾	No
Dimethyl Disulfide	< 7.5	< 7.2	< 7.6	< 7.0	< 7.6	< 7.1	< 6.8	39 ^(5,6)	No
Hydrogen Sulfide	< 4.1	< 3.9	< 4.1	< 3.8	15	< 3.9	< 3.7	28	No
Methyl Mercaptan	< 7.7	< 7.3	< 7.8	< 7.2	< 7.7	< 7.3	< 6.9	9.8 ^(5,6)	No

Notes:

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

"NF" - Compound was searched for as a tentatively identified compound, but not found.

The 24-hour sample collection period is from approximately 7 AM to 7 AM the following day.

(1) CDC's Agency for Toxic Substances and Disease Registry's intermediate minimal risk level (ATSDR MRL); if unavailable, OEHHA chronic REL, then ATSDR chronic MRL values, unless otherwise noted (REL/MRL databases updated May 2024).

(2) Department of Toxic Substances Control (DTSC) Human Health and Ecological Risk Office (HERO) Note 3 residential screening level (noncancer-based) for air (May 2022) or Note 10 (February 2019).

(3) United States Environmental Protection Agency (USEPA) Regional Screening Level (RSL) noncancer-based for residential air (May 2024).

(4) ATSDR acute MRL.

(5) Emergency Response Planning Guideline Value (ERPG-1) from <https://cameochemicals.noaa.gov/search/simple>

(6) U.S. Department of Energy's (DOE's) Protective Action Criteria (PAC-1) from <https://edms3.energy.gov/pac/#/>

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING SUMMARY OF LABORATORY DATA 11/11/2024 - 11/18/2024 FINAL REMEDY CONSTRUCTION ASCEN LANDFILL SITE

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-02								
	11/11-11/12/2024	11/12-11/13/2024	11/13-11/14/2024	11/14-11/15/2024	11/15-11/16/2024	11/16-11/17/2024	11/17-11/18/2024		
24 Hours		24 Hours		24 Hours		24 Hours			
Volatile Organic Compounds									
1,1,1-Trichloroethane (TCA)	< 1.0	< 1.1	< 0.93	< 1.1	< 0.93	< 1.1	< 0.97	3,800	No
1,1,2,2-Tetrachloroethane	< 1.1	< 1.2	< 0.96	< 1.1	< 0.97	< 1.1	< 1.0	83 ⁽²⁾	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 1.1	< 1.2	< 0.98	< 1.1	< 0.98	< 1.1	< 1.0	11	No
1,1-Dichloroethane (Ethylidene Dichloride)	< 1.0	< 1.1	< 0.93	< 1.1	< 0.93	< 1.1	< 0.97	830 ⁽²⁾	No
1,1-Dichloroethene (1,1-DCE)	< 0.88	< 0.98	< 0.80	< 0.94	< 0.81	< 0.93	< 0.84	4.0	No
1,2,4-Trimethylbenzene	< 1.0	< 1.1	< 0.93	< 1.1	< 0.93	< 1.1	< 0.97	4.0	No
1,2-Dibromo-3-Chloropropane (DBCP)	< 0.41	< 0.46	< 0.37	< 0.44	< 0.38	< 0.43	< 0.39	1.9	No
1,2-Dichloropropane	< 1.1	< 1.2	< 0.96	< 1.1	< 0.97	< 1.1	< 1.0	9.2	No
1,3,5-Trimethylbenzene	< 1.1	< 1.2	< 0.96	< 1.1	< 0.97	< 1.1	< 1.0	4.0	No
1,3-Butadiene	< 1.0	< 1.2	< 0.94	< 1.1	< 0.95	< 1.1	< 0.99	2.0	No
1,4-Dichlorobenzene	< 1.0	< 1.1	< 0.93	< 1.1	< 0.93	< 1.1	< 0.97	1,200	No
1,4-Dioxane	< 1.0	< 1.1	< 0.93	< 1.1	< 0.93	< 1.1	< 0.97	720	No
2-Butanone (MEK)	< 2.0	< 2.2	< 1.8	< 2.1	< 1.8	< 2.1	< 1.9	5,200 ⁽³⁾	No
2-Hexanone	< 2.0	< 2.2	< 1.8	< 2.1	< 1.8	< 2.1	< 1.9	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 2.0	< 2.3	< 1.9	< 2.2	< 1.9	< 2.2	< 2.0	3,100 ⁽³⁾	No
Acetone	< 10	16	22	< 11	< 9.1	11	10	19,000 ⁽⁴⁾	No
Acrolein	< 0.60	< 0.67	< 0.55	< 0.64	< 0.55	< 0.64	< 0.58	0.92	No
Acrylonitrile	< 0.49	< 0.54	< 0.45	< 0.52	< 0.45	< 0.52	< 0.47	2.0	No
Benzene	< 0.99	< 1.1	1.1	< 1.1	< 0.91	< 1.1	< 0.95	19	No
Bromomethane	< 0.99	< 1.1	< 0.91	< 1.1	< 0.91	< 1.1	< 0.95	78	No
Carbon Disulfide	< 2.0	< 2.3	< 1.9	< 2.2	< 1.9	< 2.2	< 1.9	800	No
Carbon Tetrachloride	< 1.0	< 1.1	< 0.93	< 1.1	< 0.93	< 1.1	< 0.97	190	No
Chlorobenzene	< 1.1	< 1.2	< 0.96	< 1.1	< 0.97	< 1.1	< 1.0	1,000	No
Chloroethane (Ethyl Chloride)	< 1.1	< 1.2	< 0.98	< 1.1	< 0.98	< 1.1	< 1.0	34,000	No
Chloroform	< 1.1	< 1.2	< 0.96	< 1.1	< 0.97	< 1.1	< 1.0	3.9	No
Chloromethane	< 1.1	< 1.2	1.1	< 1.1	< 0.97	< 1.1	< 1.0	620	No
cis-1,2-Dichloroethene	< 1.0	< 1.1	< 0.93	< 1.1	< 0.93	< 1.1	< 0.97	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 1.0	< 1.1	< 0.93	< 1.1	< 0.93	< 1.1	< 0.97	420 ⁽³⁾	No
Dichloromethane (Methylene Chloride)	< 0.90	< 1.0	1.8	< 0.96	< 0.82	< 0.95	< 0.86	1,000	No
Ethylbenzene	< 1.1	< 1.2	< 0.98	< 1.1	< 0.98	< 1.1	< 1.0	8,700	No
Ethylene Dibromide (1,2-Dibromoethane)	< 0.12	< 0.13	< 0.11	< 0.13	< 0.11	< 0.13	< 0.12	0.8	No
Ethylene Dichloride (1,2-Dichloroethane)	< 0.99	< 1.1	< 0.91	< 1.1	< 0.91	< 1.1	< 0.95	400	No
Isopropyl Alcohol (Isopropanol)	2.3	4.9	5.7	< 2.1	< 1.8	3.6	4.6	7,000	No
m,p-Xylenes	< 2.1	< 2.3	< 1.9	< 2.2	< 1.9	< 2.2	< 2.0	2,600	No
Methyl Methacrylate	< 2.1	< 2.3	< 1.9	< 2.2	< 1.9	< 2.2	< 2.0	730 ⁽⁵⁾	No
Methyl tert-Butyl Ether	< 1.1	< 1.2	< 0.96	< 1.1	< 0.97	< 1.1	< 1.0	3,600	No
Naphthalene	< 0.99	< 1.1	< 0.91	< 1.1	< 0.91	< 1.1	< 0.95	9.0	No
n-Hexane	< 1.0	< 1.2	1.1	< 1.1	< 0.95	< 1.1	< 0.99	1,400	No
n-Nonane	< 1.0	< 1.1	< 0.93	< 1.1	< 0.93	< 1.1	< 0.97	21 ⁽³⁾	No
o-Xylene	< 1.1	< 1.2	< 0.96	< 1.1	< 0.97	< 1.1	< 1.0	2,600	No
Phenol	NF	NF	NF	NF	NF	NF	NF	200	No
Propylene (Propene)	< 1.0	< 1.2	< 0.94	< 1.1	< 0.95	< 1.1	< 0.99	3,000	No
Styrene	< 1.0	< 1.2	< 0.94	< 1.1	< 0.95	< 1.1	< 0.99	900	No
Tetrachloroethene (PCE)	< 1.1	< 1.2	< 0.96	< 1.1	< 0.97	< 1.1	< 1.0	41	No
Toluene	< 1.1	2.4	3.0	< 1.1	< 0.97	1.7	1.3	420	No
Trichloroethene (TCE)	< 1.0	< 1.1	< 0.93	< 1.1	< 0.93	< 1.1	< 0.97	2.2	No
Trichlorofluoromethane (CFC 11)	< 0.99	< 1.1	0.98	< 1.1	1.2	1.1	1.1	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.88	< 0.98	< 0.80	< 0.94	< 0.81	< 0.93	< 0.84	5,200 ⁽³⁾	No
Vinyl Acetate	< 10	< 12	< 9.6	< 11	< 9.6	< 11	< 10	2,500	No
Vinyl Chloride	< 1.0	< 1.2	< 0.94	< 1.1	< 0.95	< 1.1	< 0.99	51	No
Sulfur Compounds									
Carbon Disulfide	< 6.1	< 6.8	< 5.5	< 6.5	< 5.6	< 6.4	< 5.8	800	No
Carbonyl Sulfide	< 9.1	< 10	< 8.3	< 9.7	< 8.4	< 9.7	< 8.7	10	No
Dimethyl Sulfide	< 9.9	< 11	< 9.0	< 11	< 9.1	< 11	< 9.4	250 ⁽⁵⁾	No
Dimethyl Disulfide	< 7.5	< 8.4	< 6.9	< 8.0	< 6.9	< 8.0	< 7.2	39 ^(5,6)	No
Hydrogen Sulfide	< 4.1	< 4.5	< 3.7	< 4.3	8.7	< 4.3	< 3.9	28	No
Methyl Mercaptan	< 7.7	< 8.5	< 7.0	< 8.2	< 7.0	< 8.1	< 7.3	9.8 ^(5,6)	No

Notes:

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

"NF" - Compound was searched for as a tentatively identified compound, but not found.

The 24-hour sample collection period is from approximately 7 AM to 7 AM the following day.

(1) CDC's Agency for Toxic Substances and Disease Registry's intermediate minimal risk level (ATSDR MRL); if unavailable, OEHHA chronic REL, then ATSDR chronic MRL values, unless otherwise noted (REL/MRL databases updated May 2024).

(2) Department of Toxic Substances Control (DTSC) Human Health and Ecological Risk Office (HERO) Note 3 residential screening level (noncancer-based) for air (May 2022) or Note 10 (February 2019).

(3) United States Environmental Protection Agency (USEPA) Regional Screening Level (RSL) noncancer-based for residential air (May 2024).

(4) ATSDR acute MRL.

(5) Emergency Response Planning Guideline Value (ERPG-1) from <https://cameochemicals.noaa.gov/search/simple>

(6) U.S. Department of Energy's (DOE's) Protective Action Criteria (PAC-1) from <https://edms3.energy.gov/pac/#/>

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING SUMMARY OF LABORATORY DATA 11/11/2024 - 11/18/2024 FINAL REMEDY CONSTRUCTION ASCEN LANDFILL SITE

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-03								
	11/11-11/12/2024	11/12-11/13/2024	11/13-11/14/2024	11/14-11/15/2024	11/15-11/16/2024	11/16-11/17/2024	11/17-11/18/2024		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Volatil Organic Compounds									
1,1,1-Trichloroethane (TCA)	< 0.94	< 1.0	< 0.81	< 1.0	< 2.4	< 0.98	< 0.89	3,800	No
1,1,2,2-Tetrachloroethane	< 0.98	< 1.0	< 0.84	< 1.1	< 2.5	< 1.0	< 0.93	83 ⁽²⁾	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 1.0	< 1.1	< 0.86	< 1.1	< 2.5	< 1.0	< 0.95	11	No
1,1-Dichloroethane (Ethylene Dichloride)	< 0.94	< 1.0	< 0.81	< 1.0	< 2.4	< 0.98	< 0.89	830 ⁽²⁾	No
1,1-Dichloroethane (1,1-DCE)	< 0.81	< 0.87	< 0.70	< 0.90	< 2.1	< 0.85	< 0.77	4.0	No
1,2,4-Trimethylbenzene	< 0.94	< 1.0	< 0.81	< 1.0	< 2.4	< 0.98	< 0.89	4.0	No
1,2-Dibromo-3-Chloropropane (DBCP)	< 0.38	< 0.41	< 0.33	< 0.42	< 0.96	< 0.40	< 0.36	1.9	No
1,2-Dichloropropane	< 0.98	< 1.0	< 0.84	< 1.1	< 2.5	< 1.0	< 0.93	9.2	No
1,3,5-Trimethylbenzene	< 0.98	< 1.0	< 0.84	< 1.1	< 2.5	< 1.0	< 0.93	4.0	No
1,3-Butadiene	< 0.96	< 1.0	< 0.83	< 1.1	< 2.4	< 1.0	< 0.91	2.0	No
1,4-Dichlorobenzene	< 0.94	< 1.0	< 0.81	< 1.0	< 2.4	< 0.98	< 0.89	1,200	No
1,4-Dioxane	< 0.94	< 1.0	< 0.81	< 1.0	< 2.4	< 0.98	< 0.89	720	No
2-Butanone (MEK)	< 1.8	< 2.0	< 1.6	< 2.0	< 4.7	15	< 1.8	5,200 ⁽³⁾	No
2-Hexanone	< 1.8	< 2.0	< 1.6	< 2.0	< 4.7	< 1.9	< 1.8	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 1.9	< 2.0	< 1.6	< 2.1	< 4.8	< 2.0	< 1.8	3,100 ⁽³⁾	No
Acetone	< 9.2	16	23	< 10	< 23	86	< 8.8	19,000 ⁽⁴⁾	No
Acrolein	< 0.56	< 0.60	< 0.48	< 0.62	< 1.4	0.64	< 0.53	0.92	No
Acrylonitrile	< 0.45	< 0.49	< 0.39	< 0.50	< 1.1	< 0.47	< 0.43	2.0	No
Benzene	< 0.92	< 0.99	1.1	< 1.0	2.5	1.0	< 0.88	19	No
Bromomethane	< 0.92	< 0.99	< 0.80	< 1.0	< 2.3	< 0.96	< 0.88	78	No
Carbon Disulfide	< 1.9	< 2.0	< 1.6	< 2.1	< 4.8	< 2.0	< 1.8	800	No
Carbon Tetrachloride	< 0.94	< 1.0	< 0.81	< 1.0	< 2.4	< 0.98	< 0.89	190	No
Chlorobenzene	< 0.98	< 1.0	< 0.84	< 1.1	< 2.5	< 1.0	< 0.93	1,000	No
Chloroethane (Ethyl Chloride)	< 1.0	< 1.1	< 0.86	< 1.1	< 2.5	< 1.0	< 0.95	34,000	No
Chloroform	< 0.98	< 1.0	< 0.84	< 1.1	< 2.5	< 1.0	< 0.93	3.9	No
Chloromethane	< 0.98	< 1.0	1.2	< 1.1	< 2.5	1.7	< 0.93	620	No
cis-1,2-Dichloroethane	< 0.94	< 1.0	< 0.81	< 1.0	< 2.4	< 0.98	< 0.89	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 0.94	< 1.0	< 0.81	< 1.0	< 2.4	< 0.98	< 0.89	420 ⁽³⁾	No
Dichloromethane (Methylene Chloride)	1.2	< 0.89	1.6	< 0.92	< 2.1	2.6	< 0.79	1,000	No
Ethylbenzene	< 1.0	< 1.1	< 0.86	< 1.1	< 2.5	2.0	< 0.95	8,700	No
Ethylene Dibromide (1,2-Dibromoethane)	< 0.11	< 0.12	< 0.097	< 0.12	< 0.28	< 0.12	< 0.11	0.8	No
Ethylene Dichloride (1,2-Dichloroethane)	< 0.92	< 0.99	< 0.80	< 1.0	< 2.3	< 0.96	< 0.88	400	No
Isopropyl Alcohol (Isopropanol)	2.4	4.7	5.8	< 2.0	< 4.5	7.0	2.4	7,000	No
m,p-Xylenes	< 1.9	< 2.1	< 1.7	< 2.1	< 4.9	3.6	< 1.8	2,600	No
Methyl Methacrylate	< 1.9	< 2.1	< 1.7	< 2.1	< 4.8	< 2.0	< 1.8	730 ⁽⁵⁾	No
Methyl tert-Butyl Ether	< 0.98	< 1.0	< 0.84	< 1.1	< 2.5	< 1.0	< 0.93	3,600	No
Naphthalene	< 0.92	< 0.99	< 0.80	< 1.0	< 2.3	< 0.96	< 0.88	9.0	No
n-Hexane	< 0.96	< 1.0	1.1	< 1.1	< 2.4	< 1.0	< 0.91	1,400	No
n-Nonane	< 0.94	< 1.0	< 0.81	< 1.0	< 2.4	< 0.98	< 0.89	21 ⁽³⁾	No
o-Xylene	< 0.98	< 1.0	< 0.84	< 1.1	< 2.5	1.3	< 0.93	2,600	No
Phenol	NF	NF	NF	NF	NF	NF	NF	200	No
Propylene (Propene)	< 0.96	< 1.0	< 0.83	< 1.1	< 2.4	< 1.0	< 0.91	3,000	No
Styrene	< 0.96	< 1.0	< 0.83	< 1.1	< 2.4	4.1	< 0.91	900	No
Tetrachloroethene (PCE)	< 0.98	< 1.0	< 0.84	< 1.1	< 2.5	< 1.0	< 0.93	41	No
Toluene	< 0.98	2.3	2.9	< 1.1	7.3	2.9	1.6	420	No
Trichloroethene (TCE)	< 0.94	< 1.0	< 0.81	< 1.0	< 2.4	< 0.98	< 0.89	2.2	No
Trichlorofluoromethane (CFC 11)	0.98	1.0	1.0	< 1.0	< 2.3	1.9	1.1	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.81	< 0.87	< 0.70	< 0.90	< 2.1	< 0.85	< 0.77	5,200 ⁽³⁾	No
Vinyl Acetate	< 9.7	< 10	< 8.4	< 11	< 25	< 10	< 9.2	2,500	No
Vinyl Chloride	< 0.96	< 1.0	< 0.83	< 1.1	< 2.4	< 1.0	< 0.91	51	No
Sulfur Compounds									
Carbon Disulfide	< 5.6	< 6.0	< 4.9	< 6.2	< 14	< 5.3	< 5.4	800	No
Carbonyl Sulfide	< 8.4	< 9.1	< 7.3	< 9.3	< 21	< 7.9	< 8.0	10	No
Dimethyl Sulfide	< 9.2	< 9.9	< 7.9	< 10	< 23	< 8.6	< 8.7	250 ⁽⁵⁾	No
Dimethyl Disulfide	< 7.0	< 7.5	< 6.0	< 7.7	< 18	< 6.5	< 6.6	39 ^(5,6)	No
Hydrogen Sulfide	< 3.8	10	< 3.3	< 4.2	< 9.6	< 3.5	< 3.6	28	No
Methyl Mercaptan	< 7.1	< 7.6	< 6.1	< 7.8	< 18	< 6.6	< 6.8	9.8 ^(5,6)	No

Notes:

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

NF - Compound was searched for as a tentatively identified compound, but not found.

The 24-hour sample collection period is from approximately 7 AM to 7 AM the following day.

(1) CDC's Agency for Toxic Substances and Disease Registry's intermediate minimal risk level (ATSDR MRL); if unavailable, OEHHA chronic REL, then ATSDR chronic MRL values, unless otherwise noted (REL/MRL databases updated May 2024).

(2) Department of Toxic Substances Control (DTSC) Human Health and Ecological Risk Office (HERO) Note 3 residential screening level (noncancer-based) for air (May 2022) or Note 10 (February 2019).

(3) United States Environmental Protection Agency (USEPA) Regional Screening Level (RSL) noncancer-based for residential air (May 2024).

(4) ATSDR acute MRL.

(5) Emergency Response Planning Guideline Value (ERPG-1) from <https://cameochemicals.noaa.gov/search/simple>

(6) U.S. Department of Energy's (DOE's) Protective Action Criteria (PAC-1) from <https://edms3.energy.gov/pac/#/>

Sample results from 11/16/2024 represent less than 24 hours due to equipment malfunction, and are considered estimated.

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING
SUMMARY OF LABORATORY DATA
11/11/2024 - 11/18/2024
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-04								
	11/11-11/12/2024	11/12-11/13/2024	11/13-11/14/2024	11/14-11/15/2024	11/15-11/16/2024	11/16-11/17/2024	11/17-11/18/2024		
24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours			
Volatile Organic Compounds									
1,1,1-Trichloroethane (TCA)	< 1.1	< 1.1	< 0.95	< 0.99	< 0.79	< 1.0	< 0.93	3,800	No
1,1,2,2-Tetrachloroethane	< 1.1	< 1.1	< 0.98	< 1.0	< 0.82	< 1.0	< 0.97	83 ⁽²⁾	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 1.1	< 1.1	< 1.0	< 1.0	< 0.83	< 1.1	< 0.98	11	No
1,1-Dichloroethane (Ethylene Dichloride)	< 1.1	< 1.1	< 0.95	< 0.99	< 0.79	< 1.0	< 0.93	830 ⁽²⁾	No
1,1-Dichloroethene (1,1-DCE)	< 0.93	< 0.93	< 0.82	< 0.86	< 0.68	< 0.87	< 0.81	4.0	No
1,2,4-Trimethylbenzene	< 1.1	< 1.1	< 0.95	< 0.99	< 0.79	< 1.0	< 0.93	4.0	No
1,2-Dibromo-3-Chloropropane (DBCP)	< 0.43	< 0.43	< 0.38	< 0.40	< 0.32	< 0.41	< 0.38	1.9	No
1,2-Dichloropropane	< 1.1	< 1.1	< 0.98	< 1.0	< 0.82	< 1.0	< 0.97	9.2	No
1,3,5-Trimethylbenzene	< 1.1	< 1.1	< 0.98	< 1.0	< 0.82	< 1.0	< 0.97	4.0	No
1,3-Butadiene	< 1.1	< 1.1	< 0.96	< 1.0	< 0.80	< 1.0	< 0.95	2.0	No
1,4-Dichlorobenzene	< 1.1	< 1.1	< 0.95	< 0.99	< 0.79	< 1.0	< 0.93	1,200	No
1,4-Dioxane	< 1.1	< 1.1	< 0.95	< 0.99	< 0.79	< 1.0	< 0.93	720	No
2-Butanone (MEK)	< 2.1	< 2.1	< 1.9	< 1.9	< 1.5	< 2.0	< 1.8	5,200 ⁽³⁾	No
2-Hexanone	< 2.1	< 2.1	< 1.9	< 1.9	< 1.5	< 2.0	< 1.8	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 2.2	< 2.2	< 1.9	< 2.0	< 1.6	< 2.0	< 1.9	3,100 ⁽³⁾	No
Acetone	< 11	17	24	< 9.7	< 7.7	11	< 9.1	19,000 ⁽⁴⁾	No
Acrolein	< 0.64	< 0.64	< 0.56	< 0.59	< 0.47	< 0.60	< 0.55	0.92	No
Acrylonitrile	< 0.52	< 0.52	< 0.46	< 0.48	< 0.38	< 0.48	< 0.45	2.0	No
Benzene	< 1.1	< 1.1	1.1	< 0.97	< 0.77	< 0.98	< 0.91	19	No
Bromomethane	< 1.1	< 1.1	< 0.93	< 0.97	< 0.77	< 0.98	< 0.91	78	No
Carbon Disulfide	< 2.1	< 2.1	< 1.9	< 2.0	< 1.6	< 2.0	< 1.9	800	No
Carbon Tetrachloride	< 1.1	< 1.1	< 0.95	< 0.99	< 0.79	< 1.0	< 0.93	190	No
Chlorobenzene	< 1.1	< 1.1	< 0.98	< 1.0	< 0.82	< 1.0	< 0.97	1,000	No
Chloroethane (Ethyl Chloride)	< 1.1	< 1.1	< 1.0	< 1.0	< 0.83	< 1.1	< 0.98	34,000	No
Chloroform	< 1.1	< 1.1	< 0.98	< 1.0	< 0.82	< 1.0	< 0.97	3.9	No
Chloromethane	< 1.1	< 1.1	1.1	< 1.0	< 0.82	1.1	< 0.97	620	No
cis-1,2-Dichloroethene	< 1.1	< 1.1	< 0.95	< 0.99	< 0.79	< 1.0	< 0.93	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 1.1	< 1.1	< 0.95	< 0.99	< 0.79	< 1.0	< 0.93	420 ⁽³⁾	No
Dichloromethane (Methylene Chloride)	< 0.95	< 0.95	1.4	< 0.87	< 0.69	< 0.89	< 0.82	1,000	No
Ethylbenzene	< 1.1	< 1.1	< 1.0	< 1.0	< 0.83	< 1.1	< 0.98	8,700	No
Ethylene Dibromide (1,2-Dibromoethane)	< 0.13	< 0.13	< 0.11	< 0.12	< 0.094	< 0.12	< 0.11	0.8	No
Ethylene Dichloride (1,2-Dichloroethane)	< 1.1	< 1.1	< 0.93	< 0.97	< 0.77	< 0.98	< 0.91	400	No
Isopropyl Alcohol (Isopropanol)	< 2.0	4.7	6.0	< 1.9	1.7	3.8	2.3	7,000	No
m,p-Xylenes	< 2.2	< 2.2	< 1.9	< 2.0	< 1.6	< 2.1	< 1.9	2,600	No
Methyl Methacrylate	< 2.2	< 2.2	< 1.9	< 2.0	< 1.6	< 2.0	< 1.9	730 ⁽³⁾	No
Methyl tert-Butyl Ether	< 1.1	< 1.1	< 0.98	< 1.0	< 0.82	< 1.0	< 0.97	3,600	No
Naphthalene	< 1.1	< 1.1	< 0.93	< 0.97	< 0.77	< 0.98	< 0.91	9.0	No
n-Hexane	< 1.1	< 1.1	1.1	< 1.0	< 0.80	< 1.0	< 0.95	1,400	No
n-Nonane	< 1.1	< 1.1	< 0.95	< 0.99	< 0.79	< 1.0	< 0.93	21 ⁽³⁾	No
o-Xylene	< 1.1	< 1.1	< 0.98	< 1.0	< 0.82	< 1.0	< 0.97	2,600	No
Phenol	NF	NF	NF	NF	NF	NF	NF	200	No
Propylene (Propene)	< 1.1	< 1.1	< 0.96	< 1.0	< 0.80	< 1.0	< 0.95	3,000	No
Styrene	< 1.1	< 1.1	< 0.96	< 1.0	< 0.80	< 1.0	< 0.95	900	No
Tetrachloroethene (PCE)	< 1.1	< 1.1	< 0.98	< 1.0	< 0.82	< 1.0	< 0.97	41	No
Toluene	< 1.1	2.1	3.0	< 1.0	1.1	1.5	1.2	420	No
Trichloroethene (TCE)	< 1.1	< 1.1	< 0.95	< 0.99	< 0.79	< 1.0	< 0.93	2.2	No
Trichlorofluoromethane (CFC 11)	< 1.1	< 1.1	0.98	< 0.97	1.2	1.1	1.1	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.93	< 0.93	< 0.82	< 0.86	< 0.68	< 0.87	< 0.81	5,200 ⁽³⁾	No
Vinyl Acetate	< 11	< 11	< 9.8	< 10	< 8.1	< 10	< 9.6	2,500	No
Vinyl Chloride	< 1.1	< 1.1	< 0.96	< 1.0	< 0.80	< 1.0	< 0.95	51	No
Sulfur Compounds									
Carbon Disulfide	< 6.4	< 6.4	< 5.7	< 5.9	< 4.7	< 6.0	< 5.6	800	No
Carbonyl Sulfide	< 9.6	< 9.6	< 8.5	< 8.9	< 7.0	< 9.0	< 8.4	10	No
Dimethyl Sulfide	< 10	< 10	< 9.2	< 9.7	< 7.7	< 9.8	< 9.1	250 ⁽⁵⁾	No
Dimethyl Disulfide	< 7.9	< 7.9	< 7.0	< 7.3	< 5.8	< 7.4	< 6.9	39 ⁽⁶⁾	No
Hydrogen Sulfide	< 4.3	< 4.3	< 3.8	< 4.0	6.9	< 4.0	< 3.7	28	No
Methyl Mercaptan	< 8.1	< 8.1	< 7.2	< 7.5	< 5.9	< 7.6	< 7.0	9.8 ⁽⁶⁾	No

Notes:

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

"NF" - Compound was searched for as a tentatively identified compound, but not found.

The 24-hour sample collection period is from approximately 7 AM to 7 AM the following day.

(1) CDC's Agency for Toxic Substances and Disease Registry's intermediate minimal risk level (ATS/DR MRL); if unavailable, OEHHA chronic REL, then ATSDR chronic MRL values, unless otherwise noted (REL/MRL databases updated May 2024).

(2) Department of Toxic Substances Control (DTSC) Human Health and Ecological Risk Office (HERO) Note 3 residential screening level (noncancer-based) for air (May 2022) or Note 10 (February 2019).

(3) United States Environmental Protection Agency (USEPA) Regional Screening Level (RSL) noncancer-based for residential air (May 2024).

(4) ATSDR acute MRL.

(5) Emergency Response Planning Guideline Value (ERPG-1) from <https://cameochemicals.noaa.gov/search/simple>

(6) U.S. Department of Energy's (DOE's) Protective Action Criteria (PAC-1) from <https://edms3.energy.gov/pac/#/>

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING
SUMMARY OF LABORATORY DATA
11/11/2024 - 11/18/2024
FINAL REMEDY CONSTRUCTION
ASCON LANDFILL SITE

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-05								
	11/11-11/12/2024	11/12-11/13/2024	11/13-11/14/2024	11/14-11/15/2024	11/15-11/16/2024	11/16-11/17/2024	11/17-11/18/2024		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Volatile Organic Compounds									
1,1,1-Trichloroethane (TCA)	< 0.93	< 1.0	< 1.2	< 1.0	< 0.94	< 0.93	< 0.97	3,800	No
1,1,2,2-Tetrachloroethane	< 0.97	< 1.1	< 1.2	< 1.1	< 0.97	< 0.97	< 1.0	83 ⁽²⁾	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 0.98	< 1.1	< 1.2	< 1.1	< 0.99	< 0.98	< 1.0	11	No
1,1-Dichloroethane (Ethylidene Dichloride)	< 0.93	< 1.0	< 1.2	< 1.0	< 0.94	< 0.93	< 0.97	830 ⁽²⁾	No
1,1-Dichloroethene (1,1-DCE)	< 0.81	< 0.90	< 1.0	< 0.88	< 0.81	< 0.81	< 0.84	4.0	No
1,2,4-Trimethylbenzene	< 0.93	< 1.0	< 1.2	< 1.0	< 0.94	< 0.93	< 0.97	4.0	No
1,2-Dibromo-3-Chloropropane (DBCP)	< 0.38	< 0.42	< 0.47	< 0.41	< 0.38	< 0.38	< 0.39	1.9	No
1,2-Dichloropropane	< 0.97	< 1.1	< 1.2	< 1.1	< 0.97	< 0.97	< 1.0	9.2	No
1,3,5-Trimethylbenzene	< 0.97	< 1.1	< 1.2	< 1.1	< 0.97	< 0.97	< 1.0	4.0	No
1,3-Butadiene	< 0.95	< 1.1	< 1.2	< 1.0	< 0.95	< 0.95	< 0.99	2.0	No
1,4-Dichlorobenzene	< 0.93	< 1.0	< 1.2	< 1.0	< 0.94	< 0.93	< 0.97	1,200	No
1,4-Dioxane	< 0.93	< 1.0	< 1.2	< 1.0	< 0.94	< 0.93	< 0.97	720	No
2-Butanone (MEK)	< 1.8	< 2.0	< 2.3	< 2.0	< 1.8	< 1.8	< 1.9	5,200 ⁽³⁾	No
2-Hexanone	< 1.8	< 2.0	< 2.3	< 2.0	< 1.8	< 1.8	< 1.9	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 1.9	< 2.1	< 2.4	< 2.1	< 1.9	< 1.9	< 2.0	3,100 ⁽³⁾	No
Acetone	< 9.1	16	23	< 10	< 9.2	11	< 9.6	19,000 ⁽⁴⁾	No
Acrolein	< 0.55	< 0.62	< 0.69	< 0.61	< 0.56	< 0.55	< 0.58	0.92	No
Acrylonitrile	< 0.45	< 0.50	< 0.56	< 0.49	< 0.45	< 0.45	< 0.47	2.0	No
Benzene	< 0.91	< 1.0	< 1.1	< 1.0	< 0.92	< 0.91	< 0.95	19	No
Bromomethane	< 0.91	< 1.0	< 1.1	< 1.0	< 0.92	< 0.91	< 0.95	78	No
Carbon Disulfide	< 1.9	< 2.1	< 2.3	< 2.0	< 1.9	< 1.9	< 1.9	800	No
Carbon Tetrachloride	< 0.93	< 1.0	< 1.2	< 1.0	< 0.94	< 0.93	< 0.97	190	No
Chlorobenzene	< 0.97	< 1.1	< 1.2	< 1.1	< 0.97	< 0.97	< 1.0	1,000	No
Chloroethane (Ethyl Chloride)	< 0.98	< 1.1	< 1.2	< 1.1	< 0.99	< 0.98	< 1.0	34,000	No
Chloroform	< 0.97	< 1.1	< 1.2	< 1.1	< 0.97	< 0.97	< 1.0	3.9	No
Chloromethane	0.99	1.2	< 1.2	< 1.1	< 0.97	1.1	< 1.0	620	No
cis-1,2-Dichloroethene	< 0.93	< 1.0	< 1.2	< 1.0	< 0.94	< 0.93	< 0.97	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 0.93	< 1.0	< 1.2	< 1.0	< 0.94	< 0.93	< 0.97	420 ⁽³⁾	No
Dichloromethane (Methylene Chloride)	< 0.82	< 0.92	1.4	< 0.90	< 0.83	< 0.82	< 0.86	1,000	No
Ethylbenzene	< 0.98	< 1.1	< 1.2	< 1.1	< 0.99	< 0.98	< 1.0	8,700	No
Ethylene Dibromide (1,2-Dibromoethane)	< 0.11	< 0.12	< 0.14	< 0.12	< 0.11	< 0.11	< 0.12	0.8	No
Ethylene Dichloride (1,2-Dichloroethane)	< 0.91	< 1.0	< 1.1	< 1.0	< 0.92	< 0.91	< 0.95	400	No
Isopropyl Alcohol (Isopropanol)	< 1.8	5.0	6.4	< 1.9	2.2	3.7	2.3	7,000	No
m,p-Xylenes	< 1.9	< 2.1	< 2.4	< 2.1	< 1.9	< 1.9	< 2.0	2,600	No
Methyl Methacrylate	< 1.9	< 2.1	< 2.4	< 2.1	< 1.9	< 1.9	< 2.0	730 ⁽³⁾	No
Methyl tert-Butyl Ether	< 0.97	< 1.1	< 1.2	< 1.1	< 0.97	< 0.97	< 1.0	3,600	No
Naphthalene	< 0.91	< 1.0	< 1.1	< 1.0	< 0.92	< 0.91	< 0.95	9.0	No
n-Hexane	< 0.95	< 1.1	< 1.2	< 1.0	< 0.95	< 0.95	< 0.99	1,400	No
n-Nonane	< 0.93	< 1.0	< 1.2	< 1.0	< 0.94	< 0.93	< 0.97	21 ⁽³⁾	No
o-Xylene	< 0.97	< 1.1	< 1.2	< 1.1	< 0.97	< 0.97	< 1.0	2,600	No
Phenol	NF	NF	NF	NF	NF	NF	NF	200	No
Propylene (Propene)	< 0.95	< 1.1	< 1.2	< 1.0	< 0.95	< 0.95	< 0.99	3,000	No
Styrene	< 0.95	< 1.1	< 1.2	< 1.0	< 0.95	< 0.95	< 0.99	900	No
Tetrachloroethene (PCE)	< 0.97	< 1.1	< 1.2	< 1.1	< 0.97	< 0.97	< 1.0	41	No
Toluene	< 0.97	2.2	3.0	< 1.1	1.0	1.6	1.3	420	No
Trichloroethene (TCE)	< 0.93	< 1.0	< 1.2	< 1.0	< 0.94	< 0.93	< 0.97	2.2	No
Trichlorofluoromethane (CFC 11)	0.96	< 1.0	< 1.1	< 1.0	1.2	1.1	1.1	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.81	< 0.90	< 1.0	< 0.88	< 0.81	< 0.81	< 0.84	5,200 ⁽³⁾	No
Vinyl Acetate	< 9.6	< 11	< 12	< 11	< 9.7	< 9.6	< 10	2,500	No
Vinyl Chloride	< 0.95	< 1.1	< 1.2	< 1.0	< 0.95	< 0.95	< 0.99	51	No
Sulfur Compounds									
Carbon Disulfide	< 5.6	< 6.2	< 7.0	< 6.1	< 5.6	< 5.6	< 5.8	800	No
Carbonyl Sulfide	< 8.4	< 9.3	< 10	< 9.1	< 8.4	< 8.4	< 8.7	10	No
Dimethyl Sulfide	< 9.1	< 10	< 11	< 10	< 9.1	< 9.1	< 9.5	250 ⁽³⁾	No
Dimethyl Disulfide	< 6.9	< 7.7	< 8.6	< 7.5	< 6.9	< 6.9	< 7.2	39 ^(5,6)	No
Hydrogen Sulfide	< 3.7	< 4.2	< 4.7	< 4.1	< 3.8	< 3.7	< 3.9	28	No
Methyl Mercaptan	< 7.0	< 7.9	< 8.8	< 7.7	< 7.1	< 7.0	< 7.4	9.8 ^(5,6)	No

Notes:

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

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The 24-hour sample collection period is from approximately 7 AM to 7 AM the following day.

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(2) Department of Toxic Substances Control (DTSC) Human Health and Ecological Risk Office (HERO) Note 3 residential screening level (noncancer-based) for air (May 2022) or Note 10 (February 2019).

(3) United States Environmental Protection Agency (USEPA) Regional Screening Level (RSL) noncancer-based for residential air (May 2024).

(4) ATSDR acute MRL.

(5) Emergency Response Planning Guideline Value (ERPG-1) from <https://cameochemicals.noaa.gov/search/simple>

(6) U.S. Department of Energy's (DOE's) Protective Action Criteria (PAC-1) from <https://edms3.energy.gov/pac/#/>

No concentrations exceeded health-based screening levels

WEEKLY AIR MONITORING SUMMARY OF LABORATORY DATA 11/11/2024 - 11/18/2024 FINAL REMEDY CONSTRUCTION ASCEN LANDFILL SITE

Target Chemicals	STATION ID							Comparison Criteria (µg/m ³) ⁽¹⁾	Detection Exceeds Comparison
	FR-AA-06								
	11/11-11/12/2024	11/12-11/13/2024	11/13-11/14/2024	11/14-11/15/2024	11/15-11/16/2024	11/16-11/17/2024	11/17-11/18/2024		
	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours		
Volatile Organic Compounds									
1,1,1-Trichloroethane (TCA)	< 1.1	< 1.1	< 0.94	< 2.6	< 0.93	< 1.0	< 1.0	3,800	No
1,1,2,2-Tetrachloroethane	< 1.1	< 1.2	< 0.97	< 2.7	< 0.96	< 1.1	< 1.0	83 ⁽²⁾	No
1,1,2-Trichloroethane (Vinyl Chloroform)	< 1.1	< 1.2	< 0.99	< 2.7	< 0.98	< 1.1	< 1.1	11	No
1,1-Dichloroethane (Ethylene Dichloride)	< 1.1	< 1.1	< 0.94	< 2.6	< 0.93	< 1.0	< 1.0	830 ⁽²⁾	No
1,1-Dichloroethene (1,1-DCE)	< 0.91	< 0.97	< 0.81	< 2.2	< 0.80	< 0.89	< 0.86	4.0	No
1,2,4-Trimethylbenzene	< 1.1	< 1.1	< 0.94	< 2.6	< 0.93	< 1.0	< 1.0	4.0	No
1,2-Dibromo-3-Chloropropane (DBCP)	< 0.42	< 0.45	< 0.38	< 1.0	< 0.37	< 0.42	< 0.40	1.9	No
1,2-Dichloropropane	< 1.1	< 1.2	< 0.97	< 2.7	< 0.96	< 1.1	< 1.0	9.2	No
1,3,5-Trimethylbenzene	< 1.1	< 1.2	< 0.97	< 2.7	< 0.96	< 1.1	< 1.0	4.0	No
1,3-Butadiene	< 1.1	< 1.1	< 0.95	< 2.6	< 0.94	< 1.0	< 1.0	2.0	No
1,4-Dichlorobenzene	< 1.1	< 1.1	< 0.94	< 2.6	< 0.93	< 1.0	< 1.0	1,200	No
1,4-Dioxane	< 1.1	< 1.1	< 0.94	< 2.6	< 0.93	< 1.0	< 1.0	720	No
2-Butanone (MEK)	< 2.1	< 2.2	< 1.8	< 5.1	< 1.8	< 2.0	< 2.0	5,200 ⁽³⁾	No
2-Hexanone	< 2.1	< 2.2	< 1.8	< 5.1	< 1.8	< 2.0	< 2.0	31 ⁽³⁾	No
4-Methyl-2-pentanone	< 2.1	< 2.3	< 1.9	< 5.2	< 1.9	< 2.1	< 2.0	3,100 ⁽³⁾	No
Acetone	< 10	16	22	< 25	< 9.1	< 10	< 9.8	19,000 ⁽⁴⁾	No
Acrolein	< 0.63	< 0.67	< 0.56	< 1.5	< 0.55	< 0.61	< 0.60	0.92	No
Acrylonitrile	0.81	< 0.54	< 0.45	< 1.2	< 0.45	< 0.50	< 0.48	2.0	No
Benzene	< 1.0	< 1.1	1.0	< 2.5	< 0.91	< 1.0	< 0.98	19	No
Bromomethane	< 1.0	< 1.1	< 0.92	< 2.5	< 0.91	< 1.0	< 0.98	78	No
Carbon Disulfide	< 2.1	< 2.2	< 1.9	< 5.2	< 1.9	< 2.1	< 2.0	800	No
Carbon Tetrachloride	< 1.1	< 1.1	< 0.94	< 2.6	< 0.93	< 1.0	< 1.0	190	No
Chlorobenzene	< 1.1	< 1.2	< 0.97	< 2.7	< 0.96	< 1.1	< 1.0	1,000	No
Chloroethane (Ethyl Chloride)	< 1.1	< 1.2	< 0.99	< 2.7	< 0.98	< 1.1	< 1.1	34,000	No
Chloroform	< 1.1	< 1.2	< 0.97	< 2.7	< 0.96	< 1.1	< 1.0	3.9	No
Chloromethane	< 1.1	< 1.2	1.1	< 2.7	< 0.96	< 1.1	< 1.0	620	No
cis-1,2-Dichloroethene	< 1.1	< 1.1	< 0.94	< 2.6	< 0.93	< 1.0	< 1.0	8.3 ⁽²⁾	No
Cumene (Isopropylbenzene)	< 1.1	< 1.1	< 0.94	< 2.6	< 0.93	< 1.0	< 1.0	420 ⁽³⁾	No
Dichloromethane (Methylene Chloride)	< 0.93	< 1.0	1.4	< 2.3	< 0.82	< 0.91	< 0.88	1,000	No
Ethylbenzene	< 1.1	< 1.2	< 0.99	< 2.7	< 0.98	< 1.1	< 1.1	8,700	No
Ethylene Dibromide (1,2-Dibromoethane)	< 0.13	< 0.13	< 0.11	< 0.31	< 0.11	< 0.12	< 0.12	0.8	No
Ethylene Dichloride (1,2-Dichloroethane)	< 1.0	< 1.1	< 0.92	< 2.5	< 0.91	< 1.0	< 0.98	400	No
Isopropyl Alcohol (Isopropanol)	3.0	4.8	6.2	< 4.9	< 1.8	3.6	2.4	7,000	No
m,p-Xylenes	< 2.2	< 2.3	< 1.9	< 5.3	< 1.9	< 2.1	< 2.1	2,600	No
Methyl Methacrylate	< 2.1	< 2.3	< 1.9	< 5.3	< 1.9	< 2.1	< 2.0	730 ⁽³⁾	No
Methyl tert-Butyl Ether	< 1.1	< 1.2	< 0.97	< 2.7	< 0.96	< 1.1	< 1.0	3,600	No
Naphthalene	< 1.0	< 1.1	< 0.92	< 2.5	< 0.91	< 1.0	< 0.98	9.0	No
n-Hexane	< 1.1	< 1.1	1.1	< 2.6	< 0.94	< 1.0	< 1.0	1,400	No
n-Nonane	< 1.1	< 1.1	< 0.94	< 2.6	< 0.93	< 1.0	< 1.0	21 ⁽³⁾	No
o-Xylene	< 1.1	< 1.2	< 0.97	< 2.7	< 0.96	< 1.1	< 1.0	2,600	No
Phenol	NF	NF	NF	NF	NF	NF	NF	200	No
Propylene (Propene)	< 1.1	< 1.1	< 0.95	< 2.6	< 0.94	< 1.0	< 1.0	3,000	No
Styrene	< 1.1	< 1.1	< 0.95	< 2.6	< 0.94	< 1.0	< 1.0	900	No
Tetrachloroethene (PCE)	< 1.1	< 1.2	< 0.97	< 2.7	< 0.96	< 1.1	< 1.0	41	No
Toluene	1.4	2.4	2.8	< 2.7	1.4	1.3	1.3	420	No
Trichloroethene (TCE)	< 1.1	< 1.1	< 0.94	< 2.6	< 0.93	< 1.0	< 1.0	2.2	No
Trichlorofluoromethane (CFC 11)	< 1.0	< 1.1	1.0	< 2.5	1.2	< 1.0	1.2	1,300 ⁽²⁾	No
Trichlorotrifluoroethane	< 0.91	< 0.97	< 0.81	< 2.2	< 0.80	< 0.89	< 0.86	5,200 ⁽³⁾	No
Vinyl Acetate	< 1.1	< 1.2	< 0.97	< 2.7	< 0.96	< 1.1	< 1.0	2,500	No
Vinyl Chloride	< 1.1	< 1.1	< 0.95	< 2.6	< 0.94	< 1.0	< 1.0	51	No
Sulfur Compounds									
Carbon Disulfide	< 6.3	< 6.4	< 5.6	< 15	< 5.5	< 6.2	< 6.0	800	No
Carbonyl Sulfide	< 9.4	< 9.5	< 8.4	< 23	< 8.3	< 9.2	< 9.0	10	No
Dimethyl Sulfide	< 10	< 10	< 9.1	< 25	< 9.0	< 10	< 9.8	250 ⁽⁵⁾	No
Dimethyl Disulfide	< 7.8	< 7.9	< 6.9	< 19	< 6.9	< 7.6	< 7.4	39 ^(5,6)	No
Hydrogen Sulfide	< 4.2	< 4.3	< 3.8	< 10	< 3.7	< 4.1	< 4.0	28	No
Methyl Mercaptan	< 7.9	< 8.0	< 7.1	< 20	< 7.0	< 7.8	< 7.6	9.8 ^(5,6)	No

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