

Commonwealth of Virginia
Division of Consolidated Laboratory Services

600 North 5th St.
Richmond, Virginia 23219
804-648-4480



REPORT OF ANALYSIS

Report Date: 07/28/2021
DCLS LIMS #: E210704130

Mail To

DEQ-OFFICE OF AIR PROGRAMS
4949-C COX RD
GLEN ALLEN, VA 23060

Sample Information

DATE RECEIVED	07/21/2021 14:35	PROGRAM CODE	AM
SAMPLING DATE	07/14/2021 18:45	STATION ID	BRISTOL LANDFILL
COLLECTED BY	STACEY A, BOWERS	CONTAINER ID	405
SAMPLE MATRIX	Air	REGION CODE	404
ORDERED TEST	TO15	STATION LOCATION	BRISTOL VIRGINIA LANDFILL LOCATION 6
REPORT BDL	Y		RESIDENCE
		LOCATION	BRISTOL VIRGINIA LANDFILL
		SAMPLE ID	B071421

Test Results

APPROVED BY: THARRIS, Analyst4 DATE APPROVED: 07/28/2021

METHOD	PARAMETER	RESULT	AQS	ANALYSIS DATE
<u>EPA TO15</u>	Non-Target Compounds	Found		07/21/2021
	<i>Identified: Propane, Acetaldehyde, Butane, Acetone, Ethanol, Isopropyl Alcohol, Pentane, 1,4-Pentadiene, 2-Butenal, Hexanal, alpha pinene, Octanal.</i>			
	Propylene	< 0.125 ppbV	43205	07/21/2021
	Dichlorodifluoromethane	0.51 ppbV	43823	07/21/2021
	Chloromethane	0.53 ppbV	43801	07/21/2021
	Freon 114	< 0.125 ppbV	43208	07/21/2021
	Vinyl Chloride	< 0.125 ppbV	43860	07/21/2021
	1,3-Butadiene	< 0.125 ppbV	43218	07/21/2021
	Bromomethane	< 0.125 ppbV	43819	07/21/2021
	Ethyl Chloride	< 0.125 ppbV	43812	07/21/2021
	Acetonitrile	< 0.125 ppbV	43702	07/21/2021
	Acrolein	0.86 ppbV	43505	07/21/2021
	<i>PARAMETER QUALIFIER: CCV recovery was less than the method acceptance limit. Analyte could be biased low.</i>			
	Freon 11	0.26 ppbV	43811	07/21/2021
	<i>PARAMETER QUALIFIER: CCV recovery exceeded the method acceptance limit. Analyte could be biased high.</i>			
	Acrylonitrile	< 0.125 ppbV	43704	07/21/2021
	1,1-Dichloroethene	< 0.125 ppbV	43826	07/21/2021
	Methylene Chloride	0.10 ppbV	43802	07/21/2021
	<i>PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.</i>			
	1,1,2-Trichlorotrifluoroethane	0.08 ppbV	43207	07/21/2021
	<i>PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.</i>			
	trans-1,2-Dichloroethene	< 0.125 ppbV	43838	07/21/2021
	1,1-Dichloroethane	< 0.125 ppbV	43813	07/21/2021
	MTBE	< 0.125 ppbV	43372	07/21/2021

Explanation of Terms and Disclaimers

Test Results meet all requirements of TNI 2009. Non-TNI 2009 accredited analyses noted by ^^. The results included on this report relate only to this specific sample and not to other samples tested from this sampling location.

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	cis-1,2-Dichloroethene	< 0.125 ppbV	43839	07/21/2021
	Hexane	0.13 ppbV	43231	07/21/2021
	Trichloromethane	0.03 ppbV	43803	07/21/2021
<i>PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.</i>				
	Ethyl Acetate	0.13 ppbV	43209	07/21/2021
	Tetrahydrofuran	< 0.125 ppbV	46401	07/21/2021
	1,2-Dichloroethane	< 0.125 ppbV	43815	07/21/2021
	1,1,1-Trichloroethane	< 0.125 ppbV	43814	07/21/2021
	Benzene	0.22 ppbV	45201	07/21/2021
	Carbon Tetrachloride	0.06 ppbV	43804	07/21/2021
<i>PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.</i>				
	Cyclohexane	0.03 ppbV	43248	07/21/2021
<i>PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.</i>				
	1,2-Dichloropropane	< 0.125 ppbV	43829	07/21/2021
	Bromodichloromethane	< 0.125 ppbV	43828	07/21/2021
	Trichloroethylene	< 0.125 ppbV	43824	07/21/2021
	Methyl Methacrylate	< 0.125 ppbV	43441	07/21/2021
	Heptane	0.06 ppbV	43232	07/21/2021
<i>PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.</i>				
	cis-1,3-Dichloropropene	< 0.125 ppbV	43831	07/21/2021
	trans-1,3-Dichloro-1-propene	< 0.125 ppbV	43830	07/21/2021
	1,1,2-Trichloroethane	< 0.125 ppbV	43820	07/21/2021
	Toluene	0.43 ppbV	45202	07/21/2021
	Dibromochloromethane	< 0.125 ppbV	43832	07/21/2021
	1,2-Dibromoethane	< 0.125 ppbV	43843	07/21/2021
	Tetrachloroethylene	< 0.125 ppbV	43817	07/21/2021
	Chlorobenzene	< 0.125 ppbV	45801	07/21/2021
	Ethylbenzene	0.07 ppbV	45203	07/21/2021
<i>PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.</i>				
	m,p-Xylenes	0.23 ppbV	45109	07/21/2021
	Bromoform	< 0.125 ppbV	43806	07/21/2021
	Styrene	0.10 ppbV	45220	07/21/2021
<i>PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.</i>				
	1,1,2,2-Tetrachloroethane	< 0.125 ppbV	43818	07/21/2021
	o-Xylene	0.09 ppbV	45204	07/21/2021

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	<i>PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.</i>			
	4-Ethyltoluene	< 0.125 ppbV	45213	07/21/2021
	1,3,5-Trimethylbenzene	< 0.125 ppbV	45207	07/21/2021
	1,2,4-Trimethylbenzene	0.06 ppbV	45208	07/21/2021
	<i>PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.</i>			
	1,3-Dichlorobenzene	< 0.125 ppbV	45806	07/21/2021
	1,4-Dichlorobenzene	< 0.250 ppbV	45807	07/21/2021
	1,2-Dichlorobenzene	0.01 ppbV	45805	07/21/2021
	<i>PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.</i>			
	1,2,4-Trichlorobenzene	< 0.250 ppbV	45810	07/21/2021
	Hexachloro-1,3-Butadiene	< 0.125 ppbV	43844	07/21/2021

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