

Commonwealth of Virginia  
Division of Consolidated Laboratory Services

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



Report Date: 07/16/2021  
DCLS LIMS #: E210702322

**REPORT OF ANALYSIS**

**Mail To**

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

**Sample Information**

DATE RECEIVED	07/13/2021 10:19	PROGRAM CODE	AM
SAMPLING DATE	07/08/2021 20:30	STATION ID	BRISTOL LANDFILL
COLLECTED BY	STACY A. BOWERS	CONTAINER ID	S107
SAMPLE MATRIX	Air	REGION CODE	404
ORDERED TEST	TO15	STATION LOCATION	BRISTOL VIRGINIA LANDFILL LOCATION 5
REPORT BDL	Y		RESIDENCE
		LOCATION	BRISTOL VIRGINIA LANDFILL
		SAMPLE ID	B070821

**Test Results**

APPROVED BY: THARRIS, Analyst4      DATE APPROVED: 07/16/2021

<u>METHOD</u>	<u>PARAMETER</u>	<u>RESULT</u>	<u>AQS</u>	<u>ANALYSIS DATE</u>
<u>EPA TO15</u>	Non-Target Compounds	Found		07/13/2021
	<i>Identified: Propane, Acetaldehyde, Butane, Ethanol, Acetone, Isopropyl Alcohol, Pentane, 1,2-Pentadiene, 2-methyl-Pentane, Hexanal, alpha pinene, Octanal, Nonanal.</i>			
	Propylene	< 0.125 ppbV	43205	07/13/2021
	Dichlorodifluoromethane	0.52 ppbV	43823	07/13/2021
	Chloromethane	0.59 ppbV	43801	07/13/2021
	Freon 114	< 0.125 ppbV	43208	07/13/2021
	Vinyl Chloride	< 0.125 ppbV	43860	07/13/2021
	1,3-Butadiene	< 0.125 ppbV	43218	07/13/2021
	Bromomethane	< 0.125 ppbV	43819	07/13/2021
	Ethyl Chloride	< 0.125 ppbV	43812	07/13/2021
	Acetonitrile	0.42 ppbV	43702	07/13/2021
	Acrolein	< 0.250 ppbV	43505	07/13/2021
	Freon 11	0.25 ppbV	43811	07/13/2021
	Acrylonitrile	< 0.125 ppbV	43704	07/13/2021
	1,1-Dichloroethene	< 0.125 ppbV	43826	07/13/2021
	Methylene Chloride	0.15 ppbV	43802	07/13/2021
	1,1,2-Trichlorotrifluoroethane	0.07 ppbV	43207	07/13/2021
	<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	07/13/2021
	1,1-Dichloroethane	< 0.125 ppbV	43813	07/13/2021
	MTBE	< 0.125 ppbV	43372	07/13/2021
	cis-1,2-Dichloroethene	< 0.125 ppbV	43839	07/13/2021
	Hexane	0.12 ppbV	43231	07/13/2021
	<i>PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.</i>			
	Trichloromethane	0.02 ppbV	43803	07/13/2021

**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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	<i>PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.</i>			
	Ethyl Acetate	0.34 ppbV	43209	07/13/2021
	<i>PARAMETER QUALIFIER: CCV recovery exceeded the method acceptance limit. Analyte could be biased high.</i>			
	Tetrahydrofuran	< 0.125 ppbV	46401	07/13/2021
	1,2-Dichloroethane	< 0.125 ppbV	43815	07/13/2021
	1,1,1-Trichloroethane	< 0.125 ppbV	43814	07/13/2021
	Benzene	0.11 ppbV	45201	07/13/2021
	<i>PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.</i>			
	Carbon Tetrachloride	0.07 ppbV	43804	07/13/2021
	<i>PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.</i>			
	Cyclohexane	0.04 ppbV	43248	07/13/2021
	<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	07/13/2021
	Bromodichloromethane	< 0.125 ppbV	43828	07/13/2021
	Trichloroethylene	0.08 ppbV	43824	07/13/2021
	<i>PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.</i>			
	Methyl Methacrylate	< 0.125 ppbV	43441	07/13/2021
	Heptane	0.09 ppbV	43232	07/13/2021
	<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	07/13/2021
	trans-1,3-Dichloro-1-propene	< 0.125 ppbV	43830	07/13/2021
	1,1,2-Trichloroethane	< 0.125 ppbV	43820	07/13/2021
	Toluene	0.28 ppbV	45202	07/13/2021
	Dibromochloromethane	< 0.125 ppbV	43832	07/13/2021
	1,2-Dibromoethane	< 0.125 ppbV	43843	07/13/2021
	Tetrachloroethylene	< 0.125 ppbV	43817	07/13/2021
	Chlorobenzene	< 0.125 ppbV	45801	07/13/2021
	Ethylbenzene	0.04 ppbV	45203	07/13/2021
	<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	0.14 ppbV	45109	07/13/2021
	Bromoform	< 0.125 ppbV	43806	07/13/2021
	Styrene	0.06 ppbV	45220	07/13/2021
	<i>PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.</i>			

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	1,1,2,2-Tetrachloroethane	< 0.125 ppbV	43818	07/13/2021
	o-Xylene	0.05 ppbV	45204	07/13/2021
	<i>PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.</i>			
	4-Ethyltoluene	0.02 ppbV	45213	07/13/2021
	<i>PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.</i>			
	1,3,5-Trimethylbenzene	0.01 ppbV	45207	07/13/2021
	<i>PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.</i>			
	1,2,4-Trimethylbenzene	0.04 ppbV	45208	07/13/2021
	<i>PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.</i>			
	1,3-Dichlorobenzene	< 0.125 ppbV	45806	07/13/2021
	1,4-Dichlorobenzene	0.03 ppbV	45807	07/13/2021
	<i>PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.</i>			
	1,2-Dichlorobenzene	< 0.125 ppbV	45805	07/13/2021
	1,2,4-Trichlorobenzene	< 0.250 ppbV	45810	07/13/2021
	Hexachloro-1,3-Butadiene	< 0.125 ppbV	43844	07/13/2021

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