

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 #: E210704131

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	07/15/2021 21:15	STATION ID	BRISTOL LANDFILL
COLLECTED BY	STACEY A, BOWERS	CONTAINER ID	401
SAMPLE MATRIX	Air	REGION CODE	404
ORDERED TEST	TO15	STATION LOCATION	BRISTOL VIRGINIA LANDFILL LOCATION 4
REPORT BDL	Y		COMMERCIAL
		LOCATION	BRISTOL VIRGINIA LANDFILL
		SAMPLE ID	B071521

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: Butane, Ethanol, Acetone, Pentane, 1,4-Pentadiene, Dimethyl sulfide, 2-methyl propanal, alpha pinene, Decane.</i>			
	Propylene	< 0.125 ppbV	43205	07/21/2021
	Dichlorodifluoromethane	0.60 ppbV	43823	07/21/2021
	Chloromethane	0.59 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	0.94 ppbV	43505	07/21/2021
	PARAMETER QUALIFIER: CCV recovery was less than the method acceptance limit. Analyte could be biased low.			
	Freon 11	0.30 ppbV	43811	07/21/2021
	PARAMETER QUALIFIER: CCV recovery exceeded the method acceptance limit. Analyte could be biased high.			
	Acrylonitrile	< 0.125 ppbV	43704	07/21/2021
	1,1-Dichloroethene	< 0.125 ppbV	43826	07/21/2021
	Methylene Chloride	0.41 ppbV	43802	07/21/2021
	1,1,2-Trichlorotrifluoroethane	0.07 ppbV	43207	07/21/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	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
	cis-1,2-Dichloroethene	< 0.125 ppbV	43839	07/21/2021
	Hexane	< 0.125 ppbV	43231	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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<u>EPA TO15</u>				
	Trichloromethane	0.04 ppbV	43803	07/21/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	Ethyl Acetate	1.96 ppbV	43209	07/21/2021
	Tetrahydrofuran	0.38 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	3.91 ppbV	45201	07/21/2021
	Sample was re-analyzed at 2x dilution for Benzene			
	Carbon Tetrachloride	0.07 ppbV	43804	07/21/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	Cyclohexane	0.09 ppbV	43248	07/21/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	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	0.18 ppbV	43232	07/21/2021
	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	1.49 ppbV	45202	07/21/2021
	Dibromochloromethane	< 0.125 ppbV	43832	07/21/2021
	1,2-Dibromoethane	< 0.125 ppbV	43843	07/21/2021
	Tetrachloroethylene	0.03 ppbV	43817	07/21/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	Chlorobenzene	< 0.125 ppbV	45801	07/21/2021
	Ethylbenzene	0.54 ppbV	45203	07/21/2021
	m,p-Xylenes	0.87 ppbV	45109	07/21/2021
	Bromoform	< 0.125 ppbV	43806	07/21/2021
	Styrene	0.12 ppbV	45220	07/21/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	1,1,2,2-Tetrachloroethane	< 0.125 ppbV	43818	07/21/2021
	o-Xylene	0.32 ppbV	45204	07/21/2021
	4-Ethyltoluene	0.07 ppbV	45213	07/21/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	1,3,5-Trimethylbenzene	0.08 ppbV	45207	07/21/2021

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<u>EPA TO15</u>	<i>PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.</i>			
	1,2,4-Trimethylbenzene	0.27 ppbV	45208	07/21/2021
	1,3-Dichlorobenzene	< 0.125 ppbV	45806	07/21/2021
	1,4-Dichlorobenzene	0.04 ppbV	45807	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-Dichlorobenzene	< 0.125 ppbV	45805	07/21/2021
	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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