

Commonwealth of Virginia
Division of Consolidated Laboratory Services

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



REPORT OF ANALYSIS

Report Date: 11/05/2021
DCLS LIMS #: E211005201

Mail To

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

Sample Information

DATE RECEIVED	10/29/2021 15:27	PROGRAM CODE	BR
SAMPLING DATE	10/27/2021 22:36	STATION ID	BRISTOL LANDFILL
COLLECTED BY	STACY A. BOWERS	CONTAINER ID	542
SAMPLE MATRIX	Air	REGION CODE	404
ORDERED TEST	TO15	STATION LOCATION	BRISTOL TN LANDFILL LOCATION #8
REPORT BDL	Y	LOCATION	BRISTOL TN LANDFILL
		SAMPLE ID	B102721

Test Results

APPROVED BY: MTATUM, Scientist Senior

DATE APPROVED: 11/05/2021

<u>METHOD</u>	<u>PARAMETER</u>	<u>RESULT</u>	<u>AQS</u>	<u>ANALYSIS DATE</u>
<u>EPA TO15</u>				
	Non-Target Compounds	Found		11/03/2021
	Identified: Propane, Butane, Ethanol, Acetone, Isopropyl Alcohol, Pentane, Dimethyl sulfide, 2-methyl Propanal, 2-Butanone, Nonane, alpha Pinene, Decane.			
	Propylene	< 0.125 ppbV	43205	11/03/2021
	Dichlorodifluoromethane	0.58 ppbV	43823	11/03/2021
	Chloromethane	0.74 ppbV	43801	11/03/2021
	Freon 114	< 0.125 ppbV	43208	11/03/2021
	Vinyl Chloride	< 0.125 ppbV	43860	11/03/2021
	1,3-Butadiene	< 0.125 ppbV	43218	11/03/2021
	Bromomethane	< 0.125 ppbV	43819	11/03/2021
	Ethyl Chloride	< 0.125 ppbV	43812	11/03/2021
	Acetonitrile	< 0.125 ppbV	43702	11/03/2021
	Acrolein	0.47 ppbV	43505	11/03/2021
	Freon 11	0.28 ppbV	43811	11/03/2021
	Acrylonitrile	< 0.125 ppbV	43704	11/03/2021
	1,1-Dichloroethene	< 0.125 ppbV	43826	11/03/2021
	Methylene Chloride	0.11 ppbV	43802	11/03/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	1,1,2-Trichlorotrifluoroethane	0.08 ppbV	43207	11/03/2021
	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	11/03/2021
	1,1-Dichloroethane	< 0.125 ppbV	43813	11/03/2021
	MTBE	< 0.125 ppbV	43372	11/03/2021
	cis-1,2-Dichloroethene	< 0.125 ppbV	43839	11/03/2021
	Hexane	0.09 ppbV	43231	11/03/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	Trichloromethane	0.02 ppbV	43803	11/03/2021

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.

CONFIDENTIALITY NOTICE: This report contains PRIVILEGED and CONFIDENTIAL INFORMATION. This report should not be reproduced, except in full, without the written approval of DCLS. If you have received this report in error, please notify DCLS immediately at (804) 648-4480 Ext. 171.

Commonwealth of Virginia
Division of Consolidated Laboratory Services

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



REPORT OF ANALYSIS

Report Date: 11/05/2021
DCLS LIMS #: E211005201

Test Results

APPROVED BY: MTATUM, Scientist Senior

DATE APPROVED: 11/05/2021

<u>METHOD</u>	<u>PARAMETER</u>	<u>RESULT</u>	<u>AQS</u>	<u>ANALYSIS DATE</u>
<u>EPA TO15</u>				
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	Ethyl Acetate	< 0.125 ppbV	43209	11/03/2021
	Tetrahydrofuran	0.27 ppbV	46401	11/03/2021
	1,2-Dichloroethane	< 0.125 ppbV	43815	11/03/2021
	1,1,1-Trichloroethane	< 0.125 ppbV	43814	11/03/2021
	Benzene	2.13 ppbV	45201	11/03/2021
	Carbon Tetrachloride	0.06 ppbV	43804	11/03/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	Cyclohexane	0.04 ppbV	43248	11/03/2021
	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	11/03/2021
	Bromodichloromethane	< 0.125 ppbV	43828	11/03/2021
	Trichloroethylene	< 0.125 ppbV	43824	11/03/2021
	Methyl Methacrylate	< 0.125 ppbV	43441	11/03/2021
	Heptane	0.06 ppbV	43232	11/03/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	cis-1,3-Dichloropropene	< 0.125 ppbV	43831	11/03/2021
	trans-1,3-Dichloro-1-propene	< 0.125 ppbV	43830	11/03/2021
	1,1,2-Trichloroethane	< 0.125 ppbV	43820	11/03/2021
	Toluene	0.45 ppbV	45202	11/03/2021
	Dibromochloromethane	< 0.125 ppbV	43832	11/03/2021
	1,2-Dibromoethane	< 0.125 ppbV	43843	11/03/2021
	Tetrachloroethylene	< 0.125 ppbV	43817	11/03/2021
	Chlorobenzene	< 0.125 ppbV	45801	11/03/2021
	Ethylbenzene	0.22 ppbV	45203	11/03/2021
	m,p-Xylenes	0.28 ppbV	45109	11/03/2021
	Bromoform	< 0.125 ppbV	43806	11/03/2021
	Styrene	0.07 ppbV	45220	11/03/2021
	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	11/03/2021
	o-Xylene	0.11 ppbV	45204	11/03/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	4-Ethyltoluene	< 0.125 ppbV	45213	11/03/2021
	1,3,5-Trimethylbenzene	0.03 ppbV	45207	11/03/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			

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.

CONFIDENTIALITY NOTICE: This report contains PRIVILEGED and CONFIDENTIAL INFORMATION. This report should not be reproduced, except in full, without the written approval of DCLS. If you have received this report in error, please notify DCLS immediately at (804) 648-4480 Ext. 171.

Commonwealth of Virginia
Division of Consolidated Laboratory Services

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



REPORT OF ANALYSIS

Report Date: 11/05/2021
DCLS LIMS #: E211005201

Test Results

APPROVED BY: MTATUM, Scientist Senior

DATE APPROVED: 11/05/2021

<u>METHOD</u>	<u>PARAMETER</u>	<u>RESULT</u>	<u>AQS</u>	<u>ANALYSIS DATE</u>
<u>EPA TO15</u>				
	1,2,4-Trimethylbenzene	0.09 ppbV	45208	11/03/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	1,3-Dichlorobenzene	< 0.125 ppbV	45806	11/03/2021
	1,4-Dichlorobenzene	< 0.250 ppbV	45807	11/03/2021
	1,2-Dichlorobenzene	< 0.125 ppbV	45805	11/03/2021
	1,2,4-Trichlorobenzene	< 0.250 ppbV	45810	11/03/2021
	Hexachloro-1,3-Butadiene	< 0.125 ppbV	43844	11/03/2021

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.

CONFIDENTIALITY NOTICE: This report contains PRIVILEGED and CONFIDENTIAL INFORMATION. This report should not be reproduced, except in full, without the written approval of DCLS. If you have received this report in error, please notify DCLS immediately at (804) 648-4480 Ext. 171.