

Commonwealth of Virginia
Division of Consolidated Laboratory Services

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



REPORT OF ANALYSIS

Report Date: 07/08/2021
DCLS LIMS #: E210700095

Mail To

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

Sample Information

DATE RECEIVED	07/01/2021 14:34	PROGRAM CODE	AM
SAMPLING DATE	06/25/2021 21:15	STATION ID	BRISTOL LANDFILL
COLLECTED BY	STACY A. BOWERS	CONTAINER ID	S172
SAMPLE MATRIX	Air	REGION CODE	404
ORDERED TEST	TO15	STATION LOCATION	BRISTOL TENNESSEE LANDFILL LOCATION 2 UTILITY
REPORT BDL	Y	LOCATION	BRISTOL TENNESSEE LANDFILL
		SAMPLE ID	B062521

Test Results

APPROVED BY: GJOHNSON, Analyst DATE APPROVED: 07/08/2021

<u>METHOD</u>	<u>PARAMETER</u>	<u>RESULT</u>	<u>AQS</u>	<u>ANALYSIS DATE</u>
<u>EPA TO15</u>				
	Non-Target Compounds	Found		07/01/2021
	<i>Identified: Butane, Ethanol, Acetone, Isopropyl Alcohol, Pentane, 1,3-Pentadiene, Dimethyl sulfide, 2-Butanone, 2-Propenyl-cyclohexane, alpha pinene, Decane, 2-Heptadecenal, Undecane.</i>			
	Propylene	0.76 ppbV	43205	07/01/2021
	Dichlorodifluoromethane	0.53 ppbV	43823	07/01/2021
	Chloromethane	0.65 ppbV	43801	07/01/2021
	Freon 114	< 0.125 ppbV	43208	07/01/2021
	Vinyl Chloride	< 0.125 ppbV	43860	07/01/2021
	1,3-Butadiene	< 0.125 ppbV	43218	07/01/2021
	Bromomethane	< 0.125 ppbV	43819	07/01/2021
	Ethyl Chloride	< 0.125 ppbV	43812	07/01/2021
	Acetonitrile	< 0.125 ppbV	43702	07/01/2021
	Acrolein	0.36 ppbV	43505	07/01/2021
	PARAMETER QUALIFIER: CCV recovery exceeded the method acceptance limit. Analyte could be biased high.			
	Freon 11	0.26 ppbV	43811	07/01/2021
	Acrylonitrile	< 0.125 ppbV	43704	07/01/2021
	1,1-Dichloroethene	< 0.125 ppbV	43826	07/01/2021
	Methylene Chloride	0.31 ppbV	43802	07/01/2021
	1,1,2-Trichlorotrifluoroethane	0.08 ppbV	43207	07/01/2021
	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	07/01/2021
	1,1-Dichloroethane	< 0.125 ppbV	43813	07/01/2021
	MTBE	< 0.125 ppbV	43372	07/01/2021
	cis-1,2-Dichloroethene	< 0.125 ppbV	43839	07/01/2021
	Hexane	0.05 ppbV	43231	07/01/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	Trichloromethane	0.03 ppbV	43803	07/01/2021

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: 07/08/2021
DCLS LIMS #: E210700095

Test Results

APPROVED BY: GJOHNSON, Analyst

DATE APPROVED: 07/08/2021

<u>METHOD</u>	<u>PARAMETER</u>	<u>RESULT</u>	<u>AQS</u>	<u>ANALYSIS DATE</u>
<u>EPA TO15</u>				
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	Ethyl Acetate	0.09 ppbV	43209	07/01/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	Tetrahydrofuran	< 0.125 ppbV	46401	07/01/2021
	1,2-Dichloroethane	< 0.125 ppbV	43815	07/01/2021
	1,1,1-Trichloroethane	< 0.125 ppbV	43814	07/01/2021
	Benzene	1.89 ppbV	45201	07/01/2021
	Carbon Tetrachloride	0.06 ppbV	43804	07/01/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	Cyclohexane	0.02 ppbV	43248	07/01/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	1,2-Dichloropropane	< 0.125 ppbV	43829	07/01/2021
	Bromodichloromethane	< 0.125 ppbV	43828	07/01/2021
	Trichloroethylene	< 0.125 ppbV	43824	07/01/2021
	Methyl Methacrylate	< 0.125 ppbV	43441	07/01/2021
	Heptane	0.05 ppbV	43232	07/01/2021
	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	07/01/2021
	trans-1,3-Dichloro-1-propene	< 0.125 ppbV	43830	07/01/2021
	1,1,2-Trichloroethane	< 0.125 ppbV	43820	07/01/2021
	Toluene	0.41 ppbV	45202	07/01/2021
	Dibromochloromethane	< 0.125 ppbV	43832	07/01/2021
	1,2-Dibromoethane	0.01 ppbV	43843	07/01/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	Tetrachloroethylene	0.03 ppbV	43817	07/01/2021
	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	07/01/2021
	Ethylbenzene	0.12 ppbV	45203	07/01/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	m,p-Xylenes	0.20 ppbV	45109	07/01/2021
	Bromoform	< 0.125 ppbV	43806	07/01/2021
	Styrene	0.18 ppbV	45220	07/01/2021
	1,1,2,2-Tetrachloroethane	< 0.125 ppbV	43818	07/01/2021
	o-Xylene	0.07 ppbV	45204	07/01/2021

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: 07/08/2021
DCLS LIMS #: E210700095

Test Results

APPROVED BY: GJOHNSON, Analyst

DATE APPROVED: 07/08/2021

<u>METHOD</u>	<u>PARAMETER</u>	<u>RESULT</u>	<u>AQS</u>	<u>ANALYSIS DATE</u>
<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>			
	4-Ethyltoluene	0.22 ppbV	45213	07/01/2021
	1,3,5-Trimethylbenzene	0.03 ppbV	45207	07/01/2021
	<i>PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.</i>			
	1,2,4-Trimethylbenzene	0.08 ppbV	45208	07/01/2021
	<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	0.04 ppbV	45806	07/01/2021
	<i>PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.</i>			
	1,4-Dichlorobenzene	0.05 ppbV	45807	07/01/2021
	<i>PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.</i>			
	1,2-Dichlorobenzene	0.03 ppbV	45805	07/01/2021
	<i>PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.</i>			
	1,2,4-Trichlorobenzene	0.13 ppbV	45810	07/01/2021
	<i>PARAMETER QUALIFIER: CCV recovery was less than the method acceptance limit. Analyte could be biased low.</i>			
	<i>PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.</i>			
	Hexachloro-1,3-Butadiene	< 0.125 ppbV	43844	07/01/2021

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.