

Commonwealth of Virginia
Division of Consolidated Laboratory Services

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



REPORT OF ANALYSIS

Report Date: 06/24/2021
DCLS LIMS #: E210607389

Mail To

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

Sample Information

DATE RECEIVED	06/17/2021 12:40	PROGRAM CODE	AM
SAMPLING DATE	06/15/2021 20:25	STATION ID	BRISTOL LANDFILL
COLLECTED BY	STACY A. BOWERS	CONTAINER ID	S158
SAMPLE MATRIX	Air	REGION CODE	404
ORDERED TEST	TO15	STATION LOCATION	BRISTOL VIRGINIA LANDFILL LOCATION 1
REPORT BDL	Y		RESIDENCE
		LOCATION	BRISTOL VIRGINIA LANDFILL
		SAMPLE ID	B061521

Test Results

APPROVED BY: APIERCE, Group Manager DATE APPROVED: 06/24/2021

METHOD	PARAMETER	RESULT	AQS	ANALYSIS DATE
EPA TO15	Non-Target Compounds	Found		06/17/2021
	Identified: Propane, Isobutane, Butane, Ethanol, Acetone, Isopropyl Alcohol, Pentane, Dimethyl Sulfide, 2-Butanone, Nonane, 4-cyclohexyl-Decane, Alpha Pinene, Decane, 4-ethyl-1,2-dimethyl Benzene, 1-methyl-4-(1-methylethyl)Benzene, Undecane.			
	Propylene	1.11 ppbV	43205	06/17/2021
	Dichlorodifluoromethane	0.48 ppbV	43823	06/17/2021
	Chloromethane	0.61 ppbV	43801	06/17/2021
	Freon 114	< 0.125 ppbV	43208	06/17/2021
	Vinyl Chloride	< 0.125 ppbV	43860	06/17/2021
	1,3-Butadiene	< 0.125 ppbV	43218	06/17/2021
	Bromomethane	< 0.125 ppbV	43819	06/17/2021
	Ethyl Chloride	< 0.125 ppbV	43812	06/17/2021
	Acetonitrile	< 0.125 ppbV	43702	06/17/2021
	Acrolein	< 0.250 ppbV	43505	06/17/2021
	Freon 11	0.23 ppbV	43811	06/17/2021
	Acrylonitrile	< 0.125 ppbV	43704	06/17/2021
	1,1-Dichloroethene	< 0.125 ppbV	43826	06/17/2021
	Methylene Chloride	0.21 ppbV	43802	06/17/2021
	1,1,2-Trichlorotrifluoroethane	0.07 ppbV	43207	06/17/2021
	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	06/17/2021
	1,1-Dichloroethane	< 0.125 ppbV	43813	06/17/2021
	MTBE	< 0.125 ppbV	43372	06/17/2021
	cis-1,2-Dichloroethene	< 0.125 ppbV	43839	06/17/2021
	Hexane	0.09 ppbV	43231	06/17/2021
	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	06/17/2021

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>				
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	Ethyl Acetate	0.21 ppbV	43209	06/17/2021
	Tetrahydrofuran	0.17 ppbV	46401	06/17/2021
	PARAMETER QUALIFIER: RPD or Absolute Difference between duplicate samples exceeded method acceptance limits.			
	1,2-Dichloroethane	0.02 ppbV	43815	06/17/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	1,1,1-Trichloroethane	0.02 ppbV	43814	06/17/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	Benzene	3.21 ppbV	45201	06/17/2021
	Carbon Tetrachloride	0.06 ppbV	43804	06/17/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	Cyclohexane	0.03 ppbV	43248	06/17/2021
	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	06/17/2021
	Bromodichloromethane	< 0.125 ppbV	43828	06/17/2021
	Trichloroethylene	0.02 ppbV	43824	06/17/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	Methyl Methacrylate	< 0.125 ppbV	43441	06/17/2021
	Heptane	0.08 ppbV	43232	06/17/2021
	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	06/17/2021
	trans-1,3-Dichloro-1-propene	< 0.125 ppbV	43830	06/17/2021
	1,1,2-Trichloroethane	< 0.125 ppbV	43820	06/17/2021
	Toluene	0.58 ppbV	45202	06/17/2021
	Dibromochloromethane	< 0.125 ppbV	43832	06/17/2021
	1,2-Dibromoethane	< 0.125 ppbV	43843	06/17/2021
	Tetrachloroethylene	0.02 ppbV	43817	06/17/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	Chlorobenzene	< 0.125 ppbV	45801	06/17/2021
	Ethylbenzene	0.25 ppbV	45203	06/17/2021
	m,p-Xylenes	0.41 ppbV	45109	06/17/2021
	Bromoform	< 0.125 ppbV	43806	06/17/2021

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<u>EPA TO15</u>				
	Styrene	0.39 ppbV	45220	06/17/2021
	1,1,2,2-Tetrachloroethane	< 0.125 ppbV	43818	06/17/2021
	o-Xylene	0.14 ppbV	45204	06/17/2021
	4-Ethyltoluene	0.22 ppbV	45213	06/17/2021
	1,3,5-Trimethylbenzene	0.04 ppbV	45207	06/17/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	1,2,4-Trimethylbenzene	0.12 ppbV	45208	06/17/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	1,3-Dichlorobenzene	0.00 ppbV	45806	06/17/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	1,4-Dichlorobenzene	0.02 ppbV	45807	06/17/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	1,2-Dichlorobenzene	< 0.125 ppbV	45805	06/17/2021
	1,2,4-Trichlorobenzene	< 0.250 ppbV	45810	06/17/2021
	PARAMETER QUALIFIER: CCV recovery was less than the method acceptance limit. Analyte could be biased low.			
	Hexachloro-1,3-Butadiene	< 0.125 ppbV	43844	06/17/2021

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