

Commonwealth of Virginia
Division of Consolidated Laboratory Services

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



REPORT OF ANALYSIS

Report Date: 10/25/2021
DCLS LIMS #: E211003176

Mail To

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

Sample Information

DATE RECEIVED	10/18/2021 10:54	PROGRAM CODE	AM
SAMPLING DATE	10/01/2021 20:08	STATION ID	BRISTOL LANDFILL
COLLECTED BY	STACY A. BOWERS	CONTAINER ID	522
SAMPLE MATRIX	Air	REGION CODE	404
ORDERED TEST	TO15	STATION LOCATION	BRISTOL VIRGINIA LANDFILL LOCATION 7
REPORT BDL	Y	LOCATION	BRISTOL VIRGINIA LANDFILL
		SAMPLE ID	B100121

Test Results

APPROVED BY: APIERCE, Group Manager DATE APPROVED: 10/25/2021

METHOD	PARAMETER	RESULT	AQS	ANALYSIS DATE
<u>EPA TO15</u>	Non-Target Compounds	Found		10/18/2021
	Identified: Ethanol, Acetone, Isopropyl Alcohol, Pentane, 1,4-Pentadiene, Dimethyl sulfide, 2-methyl-Propanal, 2-Butenal, 2-Butanone, Hexanal, 2,4-dimethyl-3-Pentanone, Nonane, alpha Pinene, beta Pinene, Decane, 2-methyl-Octane.			
	Propylene	1.43 ppbV	43205	10/18/2021
	Dichlorodifluoromethane	0.55 ppbV	43823	10/18/2021
	Chloromethane	0.48 ppbV	43801	10/18/2021
	Freon 114	< 0.125 ppbV	43208	10/18/2021
	Vinyl Chloride	< 0.125 ppbV	43860	10/18/2021
	1,3-Butadiene	< 0.125 ppbV	43218	10/18/2021
	Bromomethane	< 0.125 ppbV	43819	10/18/2021
	Ethyl Chloride	< 0.125 ppbV	43812	10/18/2021
	Acetonitrile	< 0.125 ppbV	43702	10/18/2021
	PARAMETER QUALIFIER: CCV recovery was less than the method acceptance limit. Analyte could be biased low.			
	Acrolein	0.64 ppbV	43505	10/18/2021
	PARAMETER QUALIFIER: CCV recovery was less than the method acceptance limit. Analyte could be biased low.			
	Freon 11	0.30 ppbV	43811	10/18/2021
	Acrylonitrile	< 0.125 ppbV	43704	10/18/2021
	1,1-Dichloroethene	< 0.125 ppbV	43826	10/18/2021
	Methylene Chloride	0.12 ppbV	43802	10/18/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	1,1,2-Trichlorotrifluoroethane	0.08 ppbV	43207	10/18/2021
	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	10/18/2021
	1,1-Dichloroethane	< 0.125 ppbV	43813	10/18/2021

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>				
	MTBE	< 0.125 ppbV	43372	10/18/2021
	cis-1,2-Dichloroethene	< 0.125 ppbV	43839	10/18/2021
	Hexane	0.17 ppbV	43231	10/18/2021
	Trichloromethane	0.03 ppbV	43803	10/18/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	Ethyl Acetate	0.14 ppbV	43209	10/18/2021
	Tetrahydrofuran	0.45 ppbV	46401	10/18/2021
	1,2-Dichloroethane	0.02 ppbV	43815	10/18/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	1,1,1-Trichloroethane	< 0.125 ppbV	43814	10/18/2021
	Benzene	3.97 ppbV	45201	10/18/2021
	Carbon Tetrachloride	0.07 ppbV	43804	10/18/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	Cyclohexane	0.06 ppbV	43248	10/18/2021
	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	10/18/2021
	Bromodichloromethane	< 0.125 ppbV	43828	10/18/2021
	Trichloroethylene	< 0.125 ppbV	43824	10/18/2021
	Methyl Methacrylate	< 0.125 ppbV	43441	10/18/2021
	Heptane	0.09 ppbV	43232	10/18/2021
	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	10/18/2021
	trans-1,3-Dichloro-1-propene	< 0.125 ppbV	43830	10/18/2021
	1,1,2-Trichloroethane	< 0.125 ppbV	43820	10/18/2021
	Toluene	1.02 ppbV	45202	10/18/2021
	Dibromochloromethane	< 0.125 ppbV	43832	10/18/2021
	1,2-Dibromoethane	< 0.125 ppbV	43843	10/18/2021
	Tetrachloroethylene	0.02 ppbV	43817	10/18/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	Chlorobenzene	< 0.125 ppbV	45801	10/18/2021
	Ethylbenzene	0.50 ppbV	45203	10/18/2021
	m,p-Xylenes	0.69 ppbV	45109	10/18/2021
	Bromoform	< 0.125 ppbV	43806	10/18/2021
	Styrene	0.04 ppbV	45220	10/18/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			

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<u>EPA TO15</u>				
	1,1,2,2-Tetrachloroethane	< 0.125 ppbV	43818	10/18/2021
	o-Xylene	0.25 ppbV	45204	10/18/2021
	4-Ethyltoluene	0.05 ppbV	45213	10/18/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	1,3,5-Trimethylbenzene	0.06 ppbV	45207	10/18/2021
	PARAMETER QUALIFIER: Value between SQL and MDL; A result reported below the reporting level should be considered an estimated value.			
	1,2,4-Trimethylbenzene	0.19 ppbV	45208	10/18/2021
	1,3-Dichlorobenzene	< 0.125 ppbV	45806	10/18/2021
	1,4-Dichlorobenzene	< 0.250 ppbV	45807	10/18/2021
	1,2-Dichlorobenzene	< 0.125 ppbV	45805	10/18/2021
	1,2,4-Trichlorobenzene	< 0.250 ppbV	45810	10/18/2021
	PARAMETER QUALIFIER: CCV recovery was less than the method acceptance limit. Analyte could be biased low.			
	Hexachloro-1,3-Butadiene	< 0.125 ppbV	43844	10/18/2021

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