

Commonwealth of Virginia
Division of Consolidated Laboratory Services

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



REPORT OF ANALYSIS

Report Date: 12/30/2021
DCLS LIMS #: E211205966

Mail To

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

Sample Information

DATE RECEIVED	12/22/2021 12:38	PROGRAM CODE	BR
SAMPLING DATE	12/14/2021 00:00	STATION ID	SWRO
COLLECTED BY	STACY BOWERS	CONTAINER ID	302
SAMPLE MATRIX	Air	REGION CODE	404
ORDERED TEST	TO15	STATION LOCATION	BRISTOL LOCATION 9, BOOMER SPRINGS ROAD
REPORT BDL	Y	LOCATION	BRISTOL LOCATION 9, BOOMER SPRINGS ROAD
		SAMPLE ID	B121421

Test Results

APPROVED BY: GJOHNSON, Analyst DATE APPROVED: 12/30/2021

METHOD	PARAMETER	RESULT	AQS	ANALYSIS DATE
EPA TO15	Non-Target Compounds	Found		12/27/2021
	Identified: Propane, 2-methyl-1-Propene, Butane, Ethanol, Acetone, Isopropyl Alcohol, Pentane, Dimethyl Sulfide, 2-Butanone, 1,5-dimethyl-Cyclopentene, 4,4-dimethyl-Cyclopentene, methyl ester-Butanoic acid, dimethyl-Disulfide, 3-methyl-3-Heptene, Octane, Nonane, 2-Propenyl-Cyclohexane, alpha-Pinene, Decane, 4-methyl-Decane, D-Limonene, Undecane.			
	Propylene	2.20 ppbV	43205	12/27/2021
	Dichlorodifluoromethane	0.52 ppbV	43823	12/27/2021
	Chloromethane	0.62 ppbV	43801	12/27/2021
	Freon 114	< 0.125 ppbV	43208	12/27/2021
	Vinyl Chloride	< 0.125 ppbV	43860	12/27/2021
	1,3-Butadiene	< 0.125 ppbV	43218	12/27/2021
	Bromomethane	< 0.125 ppbV	43819	12/27/2021
	Ethyl Chloride	< 0.125 ppbV	43812	12/27/2021
	Acetonitrile	< 0.125 ppbV	43702	12/27/2021
	Acrolein	< 0.250 ppbV	43505	12/27/2021
	PARAMETER QUALIFIER: CCV recovery was less than the method acceptance limit. Analyte could be biased low.			
	Freon 11	0.23 ppbV	43811	12/27/2021
	Acrylonitrile	< 0.125 ppbV	43704	12/27/2021
	1,1-Dichloroethene	< 0.125 ppbV	43826	12/27/2021
	Methylene Chloride	0.10 ppbV	43802	12/27/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	1,1,2-Trichlorotrifluoroethane	0.07 ppbV	43207	12/27/2021
	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	12/27/2021
	1,1-Dichloroethane	< 0.125 ppbV	43813	12/27/2021
	MTBE	< 0.125 ppbV	43372	12/27/2021

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>METHOD</u>	<u>PARAMETER</u>	<u>RESULT</u>	<u>AQS</u>	<u>ANALYSIS DATE</u>
<u>EPA TO15</u>				
	cis-1,2-Dichloroethene	< 0.125 ppbV	43839	12/27/2021
	Hexane	0.11 ppbV	43231	12/27/2021
	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	12/27/2021
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	Ethyl Acetate	< 0.125 ppbV	43209	12/27/2021
	Tetrahydrofuran	1.35 ppbV	46401	12/27/2021
	1,2-Dichloroethane	< 0.125 ppbV	43815	12/27/2021
	1,1,1-Trichloroethane	< 0.125 ppbV	43814	12/27/2021
	Benzene	7.54 ppbV	45201	12/27/2021
	Carbon Tetrachloride	0.02 ppbV	43804	12/27/2021
	PARAMETER QUALIFIER: CCV recovery was less than the method acceptance limit. Analyte could be biased low.			
	PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.			
	Cyclohexane	0.04 ppbV	43248	12/27/2021
	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	12/27/2021
	Bromodichloromethane	< 0.125 ppbV	43828	12/27/2021
	Trichloroethylene	< 0.125 ppbV	43824	12/27/2021
	Methyl Methacrylate	< 0.125 ppbV	43441	12/27/2021
	Heptane	0.09 ppbV	43232	12/27/2021
	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	12/27/2021
	trans-1,3-Dichloro-1-propene	< 0.125 ppbV	43830	12/27/2021
	1,1,2-Trichloroethane	< 0.125 ppbV	43820	12/27/2021
	Toluene	0.83 ppbV	45202	12/27/2021
	Dibromochloromethane	< 0.125 ppbV	43832	12/27/2021
	1,2-Dibromoethane	< 0.125 ppbV	43843	12/27/2021
	Tetrachloroethylene	0.03 ppbV	43817	12/27/2021
	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	12/27/2021
	Ethylbenzene	0.77 ppbV	45203	12/27/2021
	m,p-Xylenes	0.62 ppbV	45109	12/27/2021
	Bromoform	< 0.125 ppbV	43806	12/27/2021
	Styrene	0.03 ppbV	45220	12/27/2021

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<u>EPA TO15</u>	<i>PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.</i>			
	1,1,2,2-Tetrachloroethane	< 0.125 ppbV	43818	12/27/2021
	o-Xylene	0.24 ppbV	45204	12/27/2021
	4-Ethyltoluene	0.05 ppbV	45213	12/27/2021
	<i>PARAMETER QUALIFIER: Value less than MDL; A result reported below the MDL should be considered an estimated value.</i>			
	1,3,5-Trimethylbenzene	0.07 ppbV	45207	12/27/2021
	<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	0.14 ppbV	45208	12/27/2021
	1,3-Dichlorobenzene	< 0.125 ppbV	45806	12/27/2021
	1,4-Dichlorobenzene	0.14 ppbV	45807	12/27/2021
	<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>			
	1,2-Dichlorobenzene	< 0.125 ppbV	45805	12/27/2021
	1,2,4-Trichlorobenzene	< 0.250 ppbV	45810	12/27/2021
	<i>PARAMETER QUALIFIER: CCV recovery was less than the method acceptance limit. Analyte could be biased low.</i>			
	Hexachloro-1,3-Butadiene	< 0.125 ppbV	43844	12/27/2021

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