

WATER QUALITY REPORT
PEU/Shaker Heights, Chester, NH
EPA # 0432040

VOLATILE ORGANIC CONTAMINANTS (b) (Units µg/L)

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	10/10/24	Chloroform	1.3	80	10/10/24
1,1,1-Trichloroethane	< 0.5	200	10/10/24	Chloromethane	< 0.5	NR	10/10/24
1,1,2,2-Tetrachloroethane	< 0.5	NR	10/10/24	cis-1, 2-Dichloroethylene	< 0.5	70	10/10/24
1,1,2-Trichloroethane	< 0.5	5	10/10/24	cis-1, 3-Dichloropropylene	< 0.5	NR	10/10/24
1,1-Dichloroethane	< 0.5	NR	10/10/24	Dibromochloromethane	2	80	10/10/24
1,1-Dichloroethylene	< 0.5	7	10/10/24	Dibromomethane	< 0.5	NR	10/10/24
1,1-Dichloropropylene	< 0.5	NR	10/10/24	Dichlorodifluoromethane	< 0.5	NR	10/10/24
1,2,3-Trichlorobenzene	< 0.5	NR	10/10/24	Diethyl ether	< 0.5	NR	10/10/24
1,2,3-Trichloropropane	< 0.5	NR	10/10/24	Diisopropyl Ether (DIPE)	< 0.5	NR	10/10/24
1,2,4-Trichlorobenzene	< 0.5	70	10/10/24	Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	10/10/24
1,2,4-Trimethylbenzene	< 0.5	NR	10/10/24	Ethylbenzene	< 0.5	700	10/10/24
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	10/10/24	Hexachlorobutadiene	< 0.5	NR	10/10/24
1,2-Dibromoethane	< 0.5	NR	10/10/24	Isopropylbenzene	< 0.5	NR	10/10/24
1,2-Dichlorobenzene	< 0.5	600	10/10/24	m/p - Xylenes	<1	NR	10/10/24
1,2-Dichloroethane	< 0.5	5	10/10/24	Methyl ethyl ketone (MEK) 2-Butanone	<10	NR	12/5/17
1,2-Dichloropropane	< 0.5	5	10/10/24	Methylene chloride	< 0.5	5	10/10/24
1,3,5-Trimethylbenzene	< 0.5	NR	10/10/24	Methyl-t-butyl-ether (MtBE)	< 0.5	13	10/10/24
1,3-Dichlorobenzene	< 0.5	NR	10/10/24	Napthalene	< 0.5	NR	10/10/24
1,3-Dichloropropane	< 0.5	NR	10/10/24	n-Butylbenzene	< 0.5	NR	10/10/24
1,4-Dichlorobenzene	< 0.5	75	10/10/24	Nitrobenzene	<10	NR	12/5/17
2,2-Dichloropropane	< 0.5	NR	12/5/17	n-Propylbenzene	< 0.5	NR	10/10/24
2-Butanone (MEK)	<10	NR	12/5/17	o-Xylene	< 0.5	NR	10/10/24
2-Chlorotoluene	<0.5	0.5	10/12/23	sec Butylbenzene	< 0.5	NR	10/10/24
2-Hexanone	<10	NR	12/5/17	Styrene	< 0.5	100	10/10/24
4 Methyl-2-Pentanone (MIBK)	<10	NR	12/5/17	Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	10/10/24
4-Chlorotoluene	<0.5	0.5	10/12/23	Tert-Butyl Alcohol (TBA)	<10	NR	10/10/24
4-Isopropyltoluene	< 0.5	NR	10/12/23	Tert-Butylbenzene	< 0.5	NR	10/10/24
Acetone	<10	NR	12/5/17	Tetrachloroethylene	< 0.5	5	10/10/24
Benzene	< 0.5	5	10/10/24	Tetrachloromethane	< 0.5	NR	10/10/24
Bromobenzene	< 0.5	NR	10/10/24	Tetrahydrofuran	<10	NR	10/10/24
Bromochloromethane	< 0.5	NR	10/10/24	Toluene	< 0.5	1000	10/10/24
Bromodichloromethane	2.1	80	10/10/24	Total Trihalomethanes	6.1	80	10/10/24
Bromoform	0.7	80	10/10/24	Total Xylenes	< 0.5	10,000	10/10/24
Bromomethane	< 0.5	NR	10/10/24	Trans-1, 2-Dichloroethylene	< 0.5	100	10/10/24
Carbon Disulfide	< 0.5	NR	10/10/24	Trans-1, 3-Dichloropropylene	< 0.5	NR	10/10/24
Carbon Tetrachloride	< 0.5	5	10/10/24	Trichloroethylene	< 0.5	5	10/10/24
Chlorobenzene	< 0.5	100	10/10/24	Trichlorofluoromethane	< 0.5	NR	10/10/24
Chloroethane	<0.5	NR	12/5/17	Vinyl chloride	< 0.5	2	10/10/24

SYNTHETIC ORGANIC CONTAMINANTS (b) (Units µg/L)

Analyte	Results	MCL	Date	Analyte	Results	MCL	Date
2,4,5-TP (Silvex)	< 0.25	50	10/10/24	Diquat	<1.0	20	10/10/24
2,4-D	< 1	70	10/10/24	Endrin	< 0.1	2	10/10/24
3-Hydroxycarbofuran	< 1	NR	10/10/24	Ethylene dibromide (EDB)	< 0.02	0.05	10/10/24
Alachlor	< 0.1	2	10/10/24	Glyphosate	< 10	700	10/10/24
Aldicarb	< 1	NR	10/10/24	Heptachlor	< 0.1	0.4	10/10/24
Aldicarb Sulfone	< 1	NR	10/10/24	Heptachlor Epoxide	< 0.1	0.2	10/10/24
Aldicarb Sulfoxide	< 1	NR	10/10/24	Hexachlorobenzene	< 0.1	1	10/10/24
Aldrin	< 0.1	NR	10/10/24	Hexachlorocyclopentadiene	< 0.1	50	10/10/24
Atrazine	< 0.1	3	10/10/24	Lindane	< 0.1	0.2	10/10/24
Benzo(a)pyrene	< 0.1	0.2	10/10/24	Methiocarb	< 1	7	10/10/24
Butachlor	< 0.1	NR	10/10/24	Methomyl	< 1	NR	10/10/24
Carbaryl	< 1	NR	10/10/24	Methoxychlor	< 0.1	40	10/10/24
Carbofuran	< 1	40	10/10/24	Metolachlor	< 0.1	40	10/10/24
Chlordane	< 0.4	2	10/10/24	Metribuzin	< 0.1	NR	10/10/24
Di (2-ethylhexyl) adipate	< 1	400	10/10/24	Oxamyl (Vydate)	< 1	200	10/10/24
Di (2-Ethylhexyl) phthalate	< 1	6	10/10/24	Pentachlorophenol	< 0.1	1	10/10/24
Dibromochloropropane (DBCP)	< 0.02	0.2	10/10/24	Picloram	< 0.5	500	10/10/24
Dicamba	< 0.5	NR	10/10/24	Propachlor	< 0.1	NR	10/10/24
Dieldrin	< 0.1	NR	10/10/24	Propoxur (Baygon)	< 1	NR	10/10/24
Dinoseb	< 1	7	10/10/24	Simazine	< 0.1	4	10/10/24
				Toxaphene	< 2	3	10/10/24

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	3.8+/-1.1	15	10/10/24
Radium 226 & 228 (pCi/L)	<1.0	5	10/10/24
Uranium (µg/L)	< 1	30	10/10/24

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	0	15	2022
Copper (mg/L) 90th percentile sample	0.121	1.3	2022

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INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (mg/L)	<0.001	0.006	10/12/23
Arsenic (mg/L)	<0.001	0.01	10/12/23
Barium (mg/L)	0.0071	2	10/12/23
Beryllium (mg/L)	<0.001	0.004	10/12/23
Cadmium (mg/L)	<0.001	0.005	10/12/23
Chromium (mg/L)	<0.001	0.1	10/12/23
Fluoride (mg/L)	1.1	4	10/12/23
Mercury (mg/L)	<0.0001	0.002	10/12/23
Nitrate-N (mg/L)	< 0.2	10	10/12/23
Nitrite-N (mg/L)	< 0.2	1	10/12/23
Selenium (mg/L)	<0.001	0.05	10/12/23
Thallium (mg/L)	<0.001	0.002	10/12/23
Cyanide (mg/L)	<0.005	0.2	10/12/23

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	90	250	10/12/23
Fluoride (mg/L)	1.1	2	10/12/23
Iron (mg/L)	0.15	0.3	5/9/24
Manganese (mg/L)	0.01	0.05	5/9/24
pH (Standard Units)	7.9	6.5 – 8.5	10/12/23
Sulfate (mg/L)	25	250	10/12/23
Zinc (mg/L)	0.26	5	10/12/23

DISINFECTION BY-PRODUCTS (a)

Analyte	Results	MCL	Date
Total Trihalomethanes (µg/L)	5.9	80	7/21/22
Haloacetic Acids (µg/L)	< 1	60	7/21/22

Microbiological Contaminants (a)

Results	MCL	Frequency
Total Coliform	Absent	≤ 1/month
E. coli	Absent	Monthly
Chlorine Residual Range (mg/L)	0.2 - 1.0	

Perfluorinated Chemicals (PFCs)

Analyte (Units)	Results	MCL	Date
Hexafluoropropylene oxide dimer acid (HFPO-DA) (ng/L)	<2.00	NR	5/18/23
Perfluorobutanesulfonic acid (PFBS) (ng/L)	<2.00	NR	5/18/23
Perfluorohexanesulfonic acid (PFHxS) (ng/L)	<2.00	18	5/18/23
Perfluorononanoic acid (PFNA) (ng/L)	<2.00	11	5/18/23
Perfluorooctanesulfonic acid (PFOS) (ng/L)	<2.00	15	5/18/23
Perfluorooctanoic acid (PFOA) (ng/L)	<2.00	12	5/18/23

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO ₃ (mg/L)	87	10/12/23
Calcium (mg/L)	5.6	10/12/23
Copper (mg/L)	0.0025	10/12/23
Hardness, Total as CaCO ₃ (mg/L)	74	5/9/24
Magnesium (mg/L)	<1	10/12/23
Nickel (µg/L)	<0.001	10/12/23
Radon Gas (pCi/L)	362	7/15/21
Sodium (mg/L)	17.1	10/12/23

SOURCE WATER AND TREATMENT INFORMATION

Water Source: One bedrock well

Treatment: Treatment consists of ion exchange units for hardness, polyphosphate for corrosion control and chlorine for disinfection.

KEY TO ABBREVIATIONS

- AL** Action Level - The concentration of a contaminant which, if exceeded triggers treatment of or other requirements which a water system must follow.
- MCL** Maximum Contaminant Level - The highest level of a contaminant that is allowed in drinking water.
- SMCL** Secondary Maximum Contaminant Level – These standards are developed to protect the aesthetic qualities of drinking water and are not health based characteristics (taste, odor, or color) of drinking water.
- NR** Not Regulated - Contaminants test for but not regulated by the State or EPA.
- (a)** samples taken from the distribution system.
- (b)** samples taken from the distribution entry point.
- mg/L** milligrams per Liter or parts per million.
- µg/L** micrograms per Liter or parts per billion.
- ng/L** nanograms per Liter or parts per trillion.
- pCi/L** picocuries per Liter (measure of radioactivity)
- N/A** Not Applicable **nd** not detected **BDL** Below Detection Level **≤** Less Than or Equal To **<** Less Than

CONTACT INFORMATION

If you have any questions about this report, or about your water quality, please call Matthew Day, Water Supply Manager, at 1-603-913-2377 or 1-800-553-5191.

Visit the state website for the Shaker Heights system at <https://www4.des.state.nh.us/DESOneStop/PWSDetail.aspx?ID=0432040>

Additional information about contaminants and their potential health effects can be obtained by calling the Environmental

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Additional information about contaminants and their potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline 1-800-426-4791.