TABLE 1
Boiling Point and Azeotrope Data for Volatile Organic Compounds Detected in Groundwater
DNAPL Containment Area
Third Site Superfund Site, Zionsville, Indiana

Compound	Boiling Point (°C)	Azeotrope (°C)	Boiling Point Reference	Azeotrope Reference
1,1,1-Trichloroethane	74	NA	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID0021381#properties	Not available (NA)
1,1,2-Trichloroethane	113.8	86	https://pubs.acs.org/doi/pdfplus/10.1021/ba-1962-0035.ch001	https://pubs.acs.org/doi/pdfplus/10.1021/ba-1962-0035.ch001
1,1-Dichloroethane	57.1	53.5	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID1020437#properties	http://www.azeotrope.info/
1,1-Dichloroethene	31.3	30.6	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID8021438#properties	http://www.azeotrope.info/
1,2-Dichloroethane	83.5	71.6	https://pubs.acs.org/doi/pdfplus/10.1021/ba-1962-0035.ch001	https://pubs.acs.org/doi/pdfplus/10.1021/ba-1962-0035.ch001
cis-1,2-Dichloroethene	54.4	56.1	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID2024030#properties	http://www.azeotrope.info/
trans-1,2-Dichlorothene	52	46.5	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID7024031#properties	http://www.azeotrope.info/
1,2-Dichlorobenzene	180	92	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID6020430#properties	Verbal communication with TRS
1,3-Dichlorobenzene	173	88-92	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID6022056#properties	Not available (NA); inferred to be similar to 1,2-dichlorobenzene based on similarity of compound and lower boiling point
1,4-Dichlorobenzene	174	88-92	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID1020431#properties	Not available; inferred to be similar to 1,2-dichlorobenzene based on similarity of compound and lower boiling point
Benzene	80	69.3	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID3039242#properties	https://cpb-us-e1.wpmucdn.com/blogs.uoregon.edu/dist/1/8309/files/2014/10/azeotropic-data-of-binary-mixtures-1ascnny.pdf
Chlorobenzene	132	90.2	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID4020298#properties	https://cpb-us-e1.wpmucdn.com/blogs.uoregon.edu/dist/1/8309/files/2014/10/azeotropic-data-of-binary-mixtures-1ascnny.pdf
Chloroethane	12.3	NA	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID1020302#properties	Not available (NA)
Ethylbenzene	136	92	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID3020596#properties	https://cpb-us-e1.wpmucdn.com/blogs.uoregon.edu/dist/1/8309/files/2014/10/azeotropic-data-of-binary-mixtures-1ascnny.pdf
Isopropylbenzene (Cumene)	152	98.4	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID1021827#properties	http://www.azeotrope.info/
Styrene	145	94.3	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID2021284#properties	http://www.azeotrope.info/
Tetrachloroethene	121	87.7	https://pubs.acs.org/doi/pdfplus/10.1021/ba-1962-0035.ch001	https://pubs.acs.org/doi/pdfplus/10.1021/ba-1962-0035.ch001
Toluene	111	84.1	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID7021360#properties	https://cpb-us-e1.wpmucdn.com/blogs.uoregon.edu/dist/1/8309/files/2014/10/azeotropic-data-of-binary-mixtures-1ascnny.pdf
Trichloroethene	87.2	73.6	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID0021383#properties	http://www.azeotrope.info/
m-Xylene	139	94.1	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID6026298#properties	http://www.azeotrope.info/
o-Xylene	143	95.7	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID3021807#properties	http://www.azeotrope.info/
p-Xylene	138	93.8	https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID2021868#properties	http://www.azeotrope.info/