Appendices to:

May Creek Landfill
Groundwater Quality Monitoring

February 2020 – March 2022

by

Jacob Carnes

Environmental Assessment Program
Washington State Department of Ecology
Olympia, Washington

These appendices are linked to the report online at:
https://apps.ecology.wa.gov/publications/SummaryPages/2203019.html.

Publication 22-03-019

October 2022

Table of Contents

Appendix A. Monitoring Well Information

Table A1. Summary of monitoring well construction and completion information.

Monitoring Well	Well Tag ID	Drilling and Installation Dates[1,2]	Latitude (decimal degrees)	Longitude (decimal degrees)	Measured Well Depth (ft bgs)	Screened Interval (ft bgs)	Surveyed Ground Surface Elevation[3]	Surveyed TOC Elevation[3]	TOC Stickup (ft)
MW-1	BLR641	7/9/2019	47.50194472	-122.1327708	17.8	7 - 17	465.81	468.08	2.27
MW-2	BLR642	7/10/2019	47.50098722	-122.1318725	17.8	7 - 17	467.27	469.92	2.65
MW-3	BLR643	7/11/2019	47.50098306	-122.1309667	28.9	18 - 28	454.36	457.00	2.64
MW-4	BLR644	7/11/2019	47.50144667	-122.1305925	21.1	10 - 20	435.68	437.87	2.19
MW-5	BLR645	7/12/2019	47.50174528	-122.1306881	20.4	10 - 20	431.39	434.20	2.81
MW-6	BLR646	7/12/2019 - 7/13/2019	47.50223611	-122.1303089	23.8	13.75 - 23.75	395.34	398.23	2.89
MW-7	BLR647	7/13/2019	47.50185611	-122.1311367	16.6	6 - 16	443.56	446.14	2.58

[1] All borings drilled Holt Services utilizing a Mobile B58 hollow stem auger with a 6 inch auger bit.
[2] All monitoring wells constructed with 2.0 inch PVC casing, 10-foot 0.010 inch slotted screen.
[3] NAVD88 Elevation in Feet
bgs – Below Ground Surface
ft – Feet
ID – Identification
PVC – Polyvinyl Chloride
TOC Top of Casing

Appendix B. Summary of EPA's 2019 Sampling Results

Table B1. Analytical results (µg/L) and associated screening levels for exceedances detected during EPA's July 2019 sampling (Ecology and Environment, 2020).

Chemical Analysis[1]	EPA MCL	EPA RSL Tap Water	WA MTCA Method A	WA MTCA Method B (Noncancer, Direct Contact)	WA MTCA Method B (Cancer, Direct Contact)	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
Diesel	—	—	500	—	—	—	—	—	—	—	—	1,000 JH
Motor Oil	—	—	500	—	—	—	580	—	—	—	770	1,900
Arsenic	10	0.052	5	4.8	0.058	0.370 JQ	2	2.8	0.610 JQ	3.4	0.980 JQ	1.5
Cobalt	—	6	—	—	—	—	—	—	—	8.2	—	12
Iron	—	14,000	—	11,000	—	—	43,000	—	—	35,000	—	—
Manganese	—	430	—	750	—	—	7,300	470	—	4,700	550	6500
2,6-Dinitrotoluene	—	0.049	—	4.8	0.058	—	—	0.160 JQ	0.120 JQ	—	—	0.180 JQ
Bis(2-ethylhexyl) phthalate	6	5.6	—	320	6.3	—	—	—	—	6.3 JQ	10 JQ	—
Hexachlorobenzene	1	0.0098	—	13	0.055	—	—	5.2	—	—	—	—
Hexachlorobutadiene	—	0.14	—	8	0.56	—	—	0.280 JQ	—	—	—	—
Hexachloroethane	—	0.33	—	5.6	1.1	—	—	0.888 JQ	—	—	—	—

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

H – The sample result is biased high.

Q – Detected concentration is below the method reporting limit/Contract Required Quantitation Limit, but is above the method quantitation limit.

— – Screening level not applicable or analyte not detected above above any screening level

Appendix C. Preliminary Cleanup Levels

Table C1. Preliminary Cleanup Levels (PCULs) for Groundwater at May Creek Landfill as determined by Ecology's Toxics Cleanup Program (TCP) in January, 2020. All values are in ug/L.
The cleanup level GW-1 is intended to protect drinking water, GW-2 protects surface water, GW-3 protects sediment. GW-4 protects indoor air quality. GW-5 is natural background. The most stringent PCUL is the minimum of GW-1 through GW-4. If the minimum value is less than GW-5, it is adjusted up to GW-5.

Chemical	Most Stringent PCUL (GW-1 – GW-5)	GW-1	GW-2	GW-3	GW-4	GW-5
PCBs						
Total PCB Aroclors	7.00E-06	4.38E-01	7.00E-06	7.12E-02	na	na
Total PCB congeners	7.00E-06	4.38E-01	7.00E-06	2.26E-03	na	na
Total PCB TEQ	4.43E-10	6.73E-06	4.43E-10	4.53E-07	na	na
Dioxins/Furans						
2,3,7,8-TCDD	5.00E-09	6.73E-06	5.00E-09	TBD	na	na
Total dioxin/furan TEQ	2.76E-09	6.73E-06	2.76E-09	na	na	na
Total chlorinated dioxins	na	na	na	na	na	na
Total chlorinated furans	na	na	na	na	na	na
Metals						
Aluminum	5.00E+01	5.00E+01	8.70E+01	na	na	na
Antimony	5.60E+00	6.00E+00	5.60E+00	na	na	na
Arsenic	5.00E+00	5.83E-01	1.80E-02	3.52E+02	na	5.00E+00
Barium	1.00E+03	2.00E+03	1.00E+03	2.28E+06	na	na
Beryllium	4.00E+00	4.00E+00	7.56E+01	1.19E+01	na	na
Cadmium	4.88E-01	5.00E+00	7.18E-01	4.88E-01	na	na
Chromium, total	1.00E+02	1.00E+02	na	na	na	na
Chromium, trivalent	7.41E+01	2.40E+04	7.41E+01	2.08E+02	na	na
Chromium, hexavalent	1.00E+01	4.80E+01	1.00E+01	1.25E+05	na	na
Cobalt	4.80E+00	4.80E+00	na	na	na	na
Copper	1.14E+01	6.40E+02	1.14E+01	1.40E+01	na	na
Iron	3.00E+02	3.00E+02	1.00E+03	na	na	na
Lead	2.52E+00	1.50E+01	2.52E+00	1.55E+01	na	na
Manganese	5.00E+01	5.00E+01	5.00E+01	na	na	na
Mercury, inorganic	1.20E-02	2.00E+00	1.20E-02	9.99E-01	2.92E-01	na
Methylmercury	7.70E-01	1.60E+00	7.70E-01	na	na	na
Molybdenum	8.00E+01	8.00E+01	na	na	na	na
Nickel	2.63E+01	1.00E+02	5.20E+01	2.63E+01	na	na
Selenium	5.00E+00	5.00E+01	5.00E+00	4.42E+03	na	na
Silver	3.22E+00	8.00E+01	3.22E+00	5.17E+00	na	na
Thallium	6.19E-02	1.60E-01	6.19E-02	6.20E+01	na	na
Tin	9.60E+03	9.60E+03	na	na	na	na

Chemical	Most Stringent PCUL (GW-1 – GW-5)	GW-1	GW-2	GW-3	GW-4	GW-5
Vanadium	1.44E+02	1.44E+02	na	na	na	na
Zinc	1.05E+02	4.80E+03	1.05E+02	1.75E+02	na	na
SVOCs - PAHs						
Acenaphthene	3.00E+01	9.60E+02	3.00E+01	1.10E+06	na	na
Acenaphthylene	na	na	na	na	na	na
Anthracene	1.00E+02	4.80E+03	1.00E+02	1.15E+06	na	na
Benzo(a)anthracene	1.60E-04	na	1.60E-04	na	na	na
Benzo(b)fluoranthene	1.60E-04	na	1.60E-04	na	na	na
Benzo(k)fluoranthene	1.60E-03	na	1.60E-03	na	na	na
Total benzofluoranthenes	na	na	na	na	na	na
Benzo(g,h,i)perylene	na	na	na	na	na	na
Benzo(a)pyrene	1.60E-05	2.00E-01	1.60E-05	5.57E-02	na	na
Chrysene	1.60E-02	na	1.60E-02	na	na	na
Dibenz(a,h)anthracene	1.60E-05	na	1.60E-05	na	na	na
Dibenzofuran	1.60E+01	1.60E+01	na	na	na	na
Fluoranthene	6.00E+00	6.40E+02	6.00E+00	7.36E+04	na	na
Fluorene	1.00E+01	6.40E+02	1.00E+01	4.66E+05	na	na
Indeno(1,2,3-cd)pyrene	1.60E-04	na	1.60E-04	na	na	na
Methyl isopropyl phenanthrene	na	na	na	na	na	na
1-Methylnaphthalene	1.51E+00	1.51E+00	na	na	na	na
2-Methylnaphthalene	3.20E+01	3.20E+01	na	na	na	na
Naphthalene	8.92E+00	1.60E+02	1.37E+03	1.45E+06	8.92E+00	na
Phenanthrene	na	na	na	na	na	na
Pyrene	8.00E+00	4.80E+02	8.00E+00	3.99E+04	na	na
Total LPAHs	na	na	na	na	na	na
Total HPAHs	na	na	na	na	na	na
Total PAHs	na	na	na	na	na	na
Total cPAH TEQ	4.33E-03	2.00E-01	1.19E-02	4.33E-03	na	na
Other SVOCs						
Aniline	7.68E+00	7.68E+00	na	na	na	na
Azobenzene	7.95E-01	7.95E-01	na	na	na	na
Benzidine	2.00E-05	3.80E-04	2.00E-05	na	na	na
Benzoic acid	3.69E+03	6.40E+04	na	3.69E+03	na	na
Benzyl alcohol	8.00E+02	8.00E+02	na	na	na	na
Bis(2-chloroethoxy)methane	na	na	na	na	na	na
Bis(2-chloroethyl)ether	2.00E-02	3.98E-02	2.00E-02	4.98E+02	2.57E+01	na
Bis(2-chloro-1-methylethyl)ether	2.00E+02	3.20E+02	2.00E+02	na	na	na

Chemical	Most Stringent PCUL (GW-1 – GW-5)	GW-1	GW-2	GW-3	GW-4	GW-5
2,6-Bis(1,1-dimethylethyl) phenol	na	na	na	na	na	na
Bis(2-ethylhexyl) phthalate	4.50E-02	6.00E+00	4.50E-02	9.00E-01	na	na
4-Bromophenyl phenyl ether	na	na	na	na	na	na
Butyl benzyl phthalate	1.30E-02	4.61E+01	1.30E-02	2.80E+03	na	na
Butyl diphenyl phosphate	na	na	na	na	na	na
Carbazole	5.22E+01	na	na	5.22E+01	na	na
4-Chloroaniline	2.19E-01	2.19E-01	na	2.96E+03	na	na
4-Chloro-3-methylphenol	3.60E+01	na	3.60E+01	na	na	na
2-Chloronaphthalene	1.00E+02	6.40E+02	1.00E+02	na	na	na
2-Chlorophenol	1.50E+01	4.00E+01	1.50E+01	7.90E+03	na	na
4-Chlorophenyl phenyl ether	na	na	na	na	na	na
Dibutyl phthalate	8.00E+00	1.60E+03	8.00E+00	1.26E+01	na	na
Dibutyl phenyl phosphate	na	na	na	na	na	na
1,2-Dichlorobenzene	6.00E+02	6.00E+02	7.00E+02	5.44E+06	2.58E+03	na
1,3-Dichlorobenzene	2.00E+00	na	2.00E+00	na	na	na
1,4-Dichlorobenzene	4.93E+00	7.50E+01	5.98E+01	5.64E+03	4.93E+00	na
3,3'-Dichlorobenzidine	3.10E-03	1.94E-01	3.10E-03	5.78E+01	na	na
2,4-Dichlorophenol	1.00E+01	2.40E+01	1.00E+01	1.88E+04	na	na
Di(2-ethylhexyl)adipate	4.00E+02	4.00E+02	na	na	na	na
Diethyl phthalate	2.00E+02	1.28E+04	2.00E+02	5.20E+08	na	na
Dimethyl phthalate	6.00E+02	na	6.00E+02	na	na	na
2,4-Dimethylphenol	8.50E+01	1.60E+02	8.50E+01	6.80E+06	na	na
1,2-Dinitrobenzene	1.60E+00	1.60E+00	na	na	na	na
1,3-Dinitrobenzene	1.60E+00	1.60E+00	na	na	na	na
1,4-Dinitrobenzene	1.60E+00	1.60E+00	na	na	na	na
4,6-Dinitro-2-methylphenol	2.00E+00	na	2.00E+00	na	na	na
2,4-Dinitrophenol	1.00E+01	3.20E+01	1.00E+01	3.05E+06	na	na
2,4-Dinitrotoluene	3.90E-02	2.82E-01	3.90E-02	1.54E+03	na	na
2,6-Dinitrotoluene	5.83E-02	5.83E-02	na	3.85E+02	na	na
Di-n-octyl phthalate	9.37E-05	1.60E+02	na	9.37E-05	na	na
1,4-Dioxane	4.38E-01	4.38E-01	na	na	na	na
1,2-Diphenylhydrazine	1.00E-02	1.09E-01	1.00E-02	na	na	na
Hexachlorobenzene	5.00E-06	5.47E-01	5.00E-06	2.50E-03	na	na
Hexachlorobutadiene	1.00E-02	5.61E-01	1.00E-02	1.74E+01	8.06E-01	na
Hexachlorocyclopentadiene	1.00E+00	4.80E+01	1.00E+00	2.71E+03	na	na
Hexachloroethane	2.00E-02	1.09E+00	2.00E-02	9.94E+02	3.14E+00	na
Isophorone	2.70E+01	4.61E+01	2.70E+01	7.39E+05	na	na

Chemical	Most Stringent PCUL (GW-1 – GW-5)	GW-1	GW-2	GW-3	GW-4	GW-5
2-Methoxynaphthalene	na	na	na	na	na	na
2-Methylphenol	4.00E+02	4.00E+02	na	3.05E+07	na	na
3-Methylphenol	4.00E+02	4.00E+02	na	na	na	na
4-Methylphenol	8.00E+02	8.00E+02	na	na	na	na
2-Nitroaniline	1.60E+02	1.60E+02	na	na	na	na
3-Nitroaniline	na	na	na	na	na	na
4-Nitroaniline	6.40E+01	6.40E+01	na	na	na	na
Nitrobenzene	1.00E+01	1.60E+01	1.00E+01	1.03E+06	1.58E+02	na
2-Nitrophenol	na	na	na	na	na	na
4-Nitrophenol	na	na	na	na	na	na
n-Nitrosodimethylamine	6.50E-04	8.58E-04	6.50E-04	na	na	na
n-Nitrosodiphenylamine	6.20E-01	1.79E+01	6.20E-01	1.11E+04	na	na
n-Nitrosodi-n-propylamine	4.40E-03	1.25E-02	4.40E-03	1.28E+02	na	na
Pentachlorophenol	2.00E-03	1.00E+00	2.00E-03	8.65E-01	na	na
Phenol	2.79E+02	2.40E+03	4.00E+03	2.79E+02	na	na
Pyridine	8.00E+00	8.00E+00	na	na	na	na
2,3,4,6-Tetrachlorophenol	4.80E+02	4.80E+02	na	na	na	na
1,2,4-Trichlorobenzene	3.60E-02	1.51E+01	3.60E-02	1.47E+03	3.85E+01	na
2,4,5-Trichlorophenol	3.00E+02	8.00E+02	3.00E+02	1.52E+05	na	na
2,4,6-Trichlorophenol	2.50E-01	3.98E+00	2.50E-01	2.53E+02	na	na
VOCs						
Acetone	7.20E+03	7.20E+03	na	na	na	na
Acrolein	1.00E+00	4.00E+00	1.00E+00	na	2.94E+00	na
Acrylonitrile	1.90E-02	8.10E-02	1.90E-02	na	1.57E+01	na
Benzaldehyde	1.09E+01	1.09E+01	na	na	na	na
Benzene	4.40E-01	5.00E+00	4.40E-01	na	2.41E+00	na
Bromobenzene	6.40E+01	6.40E+01	na	na	na	na
Bromochloromethane	na	na	na	na	na	na
Bromoethane	na	na	na	na	na	na
Bromoform	4.60E+00	5.54E+01	4.60E+00	na	1.96E+02	na
Bromomethane	1.12E+01	1.12E+01	1.00E+02	na	1.29E+01	na
2-Butoxyethanol	8.00E+02	8.00E+02	na	na	na	na
n-Butylbenzene	4.00E+02	4.00E+02	na	na	na	na
sec-Butylbenzene	8.00E+02	8.00E+02	na	na	na	na
tert-Butylbenzene	8.00E+02	8.00E+02	na	na	na	na
Carbon disulfide	3.99E+02	8.00E+02	na	na	3.99E+02	na
Carbon tetrachloride	2.00E-01	5.00E+00	2.00E-01	na	5.62E-01	na
Chlorobenzene	1.00E+02	1.00E+02	1.00E+02	na	2.91E+02	na
Chloroethane	1.85E+04	na	na	na	1.85E+04	na

Chemical	Most Stringent PCUL (GW-1 – GW-5)	GW-1	GW-2	GW-3	GW-4	GW-5
2-Chloroethyl vinyl ether	na	na	na	na	na	na
Chloroform	1.19E+00	1.41E+01	6.00E+01	na	1.19E+00	na
Chloromethane	1.53E+02	na	na	na	1.53E+02	na
3-Chloro-1-propene	2.08E+00	2.08E+00	na	na	na	na
2-Chlorotoluene	1.60E+02	1.60E+02	na	na	na	na
4-Chlorotoluene	na	na	na	na	na	na
Dibromochloromethane	6.00E-01	5.21E+00	6.00E-01	na	na	na
1,2-Dibromo-3-chloropropane	2.00E-01	2.00E-01	na	na	na	na
Dibromomethane	8.00E+01	8.00E+01	na	na	na	na
Dichlorobromomethane	7.30E-01	7.06E+00	7.30E-01	na	1.82E+00	na
trans-1,4-Dichloro-2-butene	na	na	na	na	na	na
Dichlorodifluoromethane	5.65E+00	1.60E+03	na	na	5.65E+00	na
1,1-Dichloroethane	7.68E+00	7.68E+00	na	na	1.11E+01	na
1,2-Dichloroethane	4.22E+00	4.81E+00	8.90E+00	na	4.22E+00	na
1,1-Dichloroethylene	7.00E+00	7.00E+00	3.00E+02	na	1.29E+02	na
cis-1,2-Dichloroethylene	1.60E+01	1.60E+01	na	na	na	na
trans-1,2-Dichloroethylene	1.00E+02	1.00E+02	1.00E+02	na	na	na
1,2-Dichloroethylene (mixed isomers)	7.20E+01	7.20E+01	na	na	na	na
1,2-Dichloropropane	7.10E-01	5.00E+00	7.10E-01	na	1.04E+01	na
1,3-Dichloropropane	na	na	na	na	na	na
2,2-Dichloropropane	na	na	na	na	na	na
1,1-Dichloropropene	na	na	na	na	na	na
cis-1,3-Dichloropropene	2.20E-01	4.38E-01	2.20E-01	na	na	na
trans-1,3-Dichloropropene	2.20E-01	4.38E-01	2.20E-01	na	na	na
Ethane	na	na	na	na	na	na
Ethylbenzene	2.90E+01	7.00E+02	2.90E+01	na	2.82E+03	na
Ethylene	na	na	na	na	na	na
Ethyl ether	1.60E+03	1.60E+03	na	na	na	na
Ethylene dibromide	5.00E-02	5.00E-02	na	na	2.71E-01	na
Formaldehyde	2.08E+00	2.08E+00	na	na	na	na
2-Hexanone	4.00E+01	4.00E+01	na	na	na	na
Isopropylbenzene	8.00E+02	8.00E+02	na	na	na	na
4-Isopropyltoluene	na	na	na	na	na	na
Methane	na	na	na	na	na	na
Methyl ethyl ketone	4.80E+03	4.80E+03	na	na	1.75E+06	na
Methyl iodide	na	na	na	na	na	na
Methyl isobutyl ketone	6.40E+02	6.40E+02	na	na	4.70E+05	na
Methyl tert-butyl ether	2.43E+01	2.43E+01	na	na	6.05E+02	na

Chemical	Most Stringent PCUL (GW-1 – GW-5)	GW-1	GW-2	GW-3	GW-4	GW-5
Methylene chloride	5.00E+00	5.00E+00	1.00E+01	na	4.41E+03	na
2-Pentanone	na	na	na	na	na	na
n-Propylbenzene	8.00E+02	8.00E+02	na	na	na	na
Styrene	1.00E+02	1.00E+02	na	na	8.19E+03	na
1,1,1,2-Tetrachloroethane	1.68E+00	1.68E+00	na	na	7.36E+00	na
1,1,2,2-Tetrachloroethane	1.00E-01	2.19E-01	1.00E-01	na	6.19E+00	na
Tetrachloroethylene	2.40E+00	5.00E+00	2.40E+00	na	2.42E+01	na
Toluene	5.70E+01	6.40E+02	5.70E+01	na	1.55E+04	na
1,2,3-Trichlorobenzene	na	na	na	na	na	na
1,1,1-Trichloroethane	2.00E+02	2.00E+02	1.00E+04	na	5.46E+03	na
1,1,2-Trichloroethane	3.50E-01	3.00E+00	3.50E-01	na	4.64E+00	na
Trichloroethylene	3.00E-01	4.00E+00	3.00E-01	na	1.55E+00	na
Trichlorofluoroethane	na	na	na	na	na	na
Trichlorofluoromethane	1.20E+02	2.40E+03	na	na	1.20E+02	na
1,2,3-Trichloropropane	1.46E-03	1.46E-03	na	na	na	na
Trichlorotrifluoroethane	1.83E+02	2.40E+05	na	na	1.83E+02	na
1,2,3-Trimethylbenzene	8.00E+01	8.00E+01	na	na	na	na
1,2,4-Trimethylbenzene	8.00E+01	8.00E+01	na	na	2.39E+02	na
1,3,5-Trimethylbenzene	8.00E+01	8.00E+01	na	na	na	na
Vinyl acetate	7.81E+03	8.00E+03	na	na	7.81E+03	na
Vinyl chloride	2.00E-02	2.92E-01	2.00E-02	na	3.50E-01	na
Total xylenes	3.32E+02	1.60E+03	na	na	3.32E+02	na
Petroleum Hydrocarbons						
Gasoline range hydrocarbons	8.00E+02	8.00E+02	na	na	na	na
Diesel range hydrocarbons	5.00E+02	5.00E+02	na	na	na	na
Oil range hydrocarbons	5.00E+02	5.00E+02	na	na	na	na
Total diesel & oil range hydrocarbons	5.00E+02	5.00E+02	na	na	na	na
Pesticides						
Aldrin	4.10E-08	2.57E-03	4.10E-08	4.10E-04	3.18E-01	na
alpha-BHC	4.80E-05	1.39E-02	4.80E-05	6.38E+00	na	na
beta-BHC	1.30E-03	4.86E-02	1.30E-03	6.55E-01	na	na
delta-BHC	na	na	na	na	na	na
gamma-BHC	8.00E-02	2.00E-01	8.00E-02	4.72E+01	na	na
cis-Chlordane	1.03E-04	2.50E-01	3.64E-04	1.03E-04	na	na
trans-Chlordane	1.03E-04	2.50E-01	3.64E-04	1.03E-04	na	na
Chlordane	2.20E-05	2.00E+00	2.20E-05	TBD	na	na
Chlorpyrifos	4.10E-02	1.60E+01	4.10E-02	na	na	na
4,4'-DDD	7.90E-06	3.65E-01	7.90E-06	6.64E+00	na	na

Chemical	Most Stringent PCUL (GW-1 – GW-5)	GW-1	GW-2	GW-3	GW-4	GW-5
4,4'-DDE	8.80E-07	2.57E-01	8.80E-07	2.49E+00	na	na
4,4'-DDT	1.20E-06	2.57E-01	1.20E-06	2.95E-05	na	na
Total DDD	3.65E-01	3.65E-01	na	1.35E+00	na	na
Total DDE	4.86E-02	2.57E-01	na	4.86E-02	na	na
Total DDT	2.57E-01	2.57E-01	na	TBD	na	na
Diazinon	1.70E-01	1.12E+01	1.70E-01	na	na	na
Dieldrin	7.00E-08	5.47E-03	7.00E-08	7.83E-04	na	na
Endosulfan I	5.60E-02	9.60E+01	5.60E-02	2.59E+05	na	na
Endosulfan II	5.60E-02	9.60E+01	5.60E-02	2.59E+05	na	na
Endosulfan sulfate	9.00E+00	9.60E+01	9.00E+00	na	na	na
Endrin	2.00E-03	2.00E+00	2.00E-03	2.50E+03	na	na
Endrin aldehyde	3.40E-02	na	3.40E-02	na	na	na
Endrin ketone	na	na	na	na	na	na
Heptachlor	3.40E-07	1.94E-01	3.40E-07	2.09E-03	na	na
Heptachlor epoxide	2.40E-06	4.81E-02	2.40E-06	TBD	na	na
Malathion	1.00E-01	3.20E+02	1.00E-01	na	na	na
Methoxychlor	2.00E-02	4.00E+01	2.00E-02	5.65E+03	na	na
Mirex	1.00E-03	4.86E-03	1.00E-03	na	na	na
Nonachlor	na	na	na	na	na	na
Toxaphene	3.20E-05	7.95E-01	3.20E-05	6.93E-01	na	na

PCB – Polychlorinated biphenyl
PAH – Polyaromatic hydrocarbon
SVOC – semi-volatile organic compound
VOC –volatile organic compound
na – not available or not applicable

Appendix D. Quality Assurance Review

To ensure data of good quality, all wells were sampled using standard procedures as specified in the quality assurance project plan (QAPP; Carnes 2020a), QAPP addendum (Carnes 2020b), and Ecology's standard operating procedure (SOP) EAP078 (Marti, 2020). Monitoring wells were sampled with a peristaltic pump with dedicated Teflon-lined tubing using standard low-flow sampling techniques. Samples were collected in clean, lab-supplied bottles. Samples were labeled and stored in clean, ice-filled coolers pending their arrival at the laboratory. Sample chain-of-custody procedures were followed throughout the project.

Measurement quality objectives (MQOs) for replicate samples and other analytical performance metrics for analyses performed by Manchester Environmental Laboratory and OnSite Environmental Laboratory can be found in the QAPP (Carnes, 2020a) and are summarized in Table D1. The MQOs for the analyses performed by SGS AXYS are included in the QAPP Addendum (Carnes, 2020b) and are summarized in Table D2.

Two samples for #2 Diesel exceeded quality control (QC) limits and were qualified "J", indicating the result is an estimate:

- During August 2020, lab duplicate samples exceeded the QC limits for relative percent difference (RPD) in MW-6.
- During October 2020, the laboratory control sample exceeded QC limits in MW-7.

Results for three SVOC analytes (3-3'-dichlorobenzidine, 4-chloroanaline, and 4-nitrophenol) severely exceeded QC acceptance criteria for one or more samples and therefore were rejected. Table D3 summarizes the rejected results.

Field quality control samples consisted of field replicates, equipment blanks, and transport blanks. Field replicates were collected from well MW-7 for all analytes except during October 2020. Duplicate samples for TPH-D, TPH-G, and VOCs were collected at MW-7 during October 2020; duplicate samples for all other analyte groups were collected at MW-5. Table D3 summarizes duplicate results where the analyte was detected in one or both of the duplicate samples. Equipment blank detections are presented in Table D4. Transport blanks were submitted for sampling rounds that included VOC analyses. There were no detections in the travel blanks.

The following abbreviations and qualifiers are used in the tables:

CRM: Certified Reference Material
CCV: Continuing calibration verification
LCS: Laboratory control sample
MS: Matrix spike
QC: Quality control
RPD/AD: Relative percent difference or absolute difference
PCB: Polychlorinated biphenyl
D/F: Dioxins and Furans
J: Analyte was positively identified. The reported result is an estimate.

Table D1. Measurement quality objectives for analyses performed by Manchester Enivronmental Laboratory and OnSite Environmental Laboratory.

Analyte Group	Duplicate Samples (*Relative % Difference)*	Matrix Spike-Duplicates (*Relative % Difference)*	Verification Standards (LCS, CRM, CCV) (% Recovery)	Matrix Spikes (% Recovery)	Surrogate Standards (% Recovery)	Reporting Limit[a]
TAL Metals	≤ 20	≤ 20	85 - 115	75-125	n/a	0.01 - 250 µg/L
Mercury	≤ 20	≤ 20	90 - 110	75-125	n/a	0.05 µg/L
VOC	≤ 30 or ≤ 40[b]	≤ 30 or ≤ 40[b]	75 - 125 or 60 - 140[b]	75 - 130 or 60 - 140[b]	80 - 120	1.00 µg/L
SVOC	≤ 40	≤ 40	Various[b]	Various[b]	Various[b]	0.25 - 5.0 µg/L
TPH-G	≤ 50	≤ 40	70 - 130	n/a	70 - 130	0.07 mg/L
TPH-D	≤ 40	≤ 40	70 - 130	n/a	50-150	0.15 mg/L
Pesticides	≤ 40	≤ 40	Various[b]	Various[b]	Various[b]	0.0025 - 0.025 µg/L
PCB aroclors	≤ 40	≤ 40	50 - 150	50 - 150	50-150	0.025 µg/L

[a] Reporting limit may vary depending on dilutions, matrix interference, etc.
[b] See QAPP (Carnes 2020a) for specific values by analyte.
TAL: Target Analyte List

Table D2. Measurement quality objectives for analyses performed by SGS AXYS Laboratory.

Analyte	Ongoing Precision and Recovery Limits (%)	Calibration/ Verification Limits (%)	Reporting Limit (pg/L) [a]
PCB Congeners	75 - 125	60 - 135	30 - 63
2,3,7,8-TCDD	67-158	78-129	8
2,3,7,8-TCDF	75-158	84-120	5
1,2,3,7,8-PeCDD	70-142	78-130	25
1,2,3,7,8-PeCDF	80-132	82-120	25
2,3,4,7,8-PeCDF	68-160	82-122	25
1,2,3,4,7,8-HxCDD	70-164	78-128	25
1,2,3,6,7,8-HxCDD	76-134	78-128	25
1,2,3,7,8,9-HXCDD	64-162	82-122	25
1,2,3,4,7,8-HxCDF	72-137	90-112	25
1,2,3,6,7,8-HxCDF	84-130	88-114	25
1,2,3,7,8,9-HxCDF	78-130	90-112	25
2,3,4,6,7,8-HxCDF	70-158	88-114	25
1,2,3,4,6,7,8-HpCDD	70-138	86-116	25
1,2,3,4,6,7,8-HpCDF	82-122	90-110	25
1,2,3,4,7,8,9-HpCDF	78-138	86-116	25
OCDD	78-144	79-126	50
OCDF	63-170	63-159	50

[a] Reporting limit may vary depending on dilutions, matrix interference, etc.

Table D3.Summary of laboratory quality control exceptions that caused results to be rejected.

Date	Qualification Criteria	Analyte	Affected Results
Feb 2020	Surrogate recovery severely exceeded QC limits	4-Chloroaniline	MW-1 – MW-7
	MS recovery severely exceeded QC limits	3-3'-Dichlorobenzidine	MW-2
Aug 2020	Surrogate recovery severely exceeded QC limits	4-Chloroaniline	MW-1 – MW-7
	Surrogate recovery severely exceeded QC limits	4-Nitrophenol	MW-7
Oct 2020	Surrogate recovery severely exceeded QC limits	4-Chloroaniline	MW-1 – MW-3, MW-5 – MW-7
	MS recovery severely exceeded QC limits	3-3'-Dichlorobenzidine	MW-5
Jan 2021	Surrogate recovery severely exceeded QC limits	4-Chloroaniline	MW-1 – MW-7
	MS recovery severely exceeded QC limits	3-3'-Dichlorobenzidine	MW-5
Apr 2021	Surrogate recovery severely exceeded QC limits	4-Chloroaniline	MW-2 – MW-7
	MS recovery severely exceeded QC limits	3-3'-Dichlorobenzidine	MW-5
Jul 2021	Surrogate recovery severely exceeded QC limits	4-Chloroaniline	MW-1 – MW-7
	MS recovery severely exceeded QC limits	3-3'-Dichlorobenzidine	MW-5
Oct 2021	Surrogate recovery severely exceeded QC limits	4-Chloroaniline	MW-1 – MW-7
	MS recovery severely exceeded QC limits	3-3'-Dichlorobenzidine	MW-5
Mar 2022	Surrogate recovery severely exceeded QC limits	4-Chloroaniline	MW-1 – MW-7
	MS recovery severely exceeded QC limits	3-3'-Dichlorobenzidine	MW-5

Table D4. Summary of field replicate data quality for the May Creek Landfill study, February 2020 – March 2022.

Analyte Group	Date	Well	Analyte	Primary	Duplicate	Units	RPD/ AD
TPH-D	Feb-20	MW-7	2 Diesel	0.99	0.98	mg/L	1.0%
			Lube Oil	1.01	1.06	mg/L	*0.05*
	Aug-20	MW-7	2 Diesel	1.49	1.62	mg/L	8.4%
			Lube Oil	1.68	1.85	mg/L	*0.17*
	Oct-20	MW-7	2 Diesel	1.3J	0.66J	mg/L	--
			Lube Oil	2.15	0.79	mg/L	92.5%
	Jan-21	MW-7	2 Diesel	1.54	1.72	mg/L	11.0%
			Lube Oil	2.44	2.91	mg/L	17.6%
	Apr-21	MW-7	2 Diesel	2.43	2.34	mg/L	3.8%
			Lube Oil	1.39	1.29	mg/L	7.5%
	Jul-21	MW-7	2 Diesel	1.3	1.27	mg/L	2.3%
			Lube Oil	2.12	2.14	mg/L	0.9%
	Oct-21	MW-7	2 Diesel	1.91	1.73	mg/L	9.9%
			Lube Oil	3.2	2.96	mg/L	7.8%
	Mar-22	MW-7	2 Diesel	1.12	1.13	mg/L	0.9%
			Lube Oil	2.05	2.2	mg/L	7.0%
VOC	Feb-20	MW-7	Acetone	5.71	6.54	ug/L	13.6%
			m, p-Xylene	1.15J	2U	ug/L	--
SVOC	Aug-20	MW-5	Tris(2-chloroethyl) phosphate	0.151J	0.156	ug/L	*0.005*
	Oct-20	MW-7	Tris(2-chloroethyl) phosphate	0.133J	0.134J	ug/L	*0.001*
	Jan-21	MW-7	Anthracene	0.159U	0.0862J	ug/L	--
	Jul-21	MW-7	Cholesterol	2.21	1.53U	ug/L	--
			Pentachlorophenol	0.106	0.108	ug/L	*0.002*
			Tris(2-chloroethyl) phosphate	0.0517J	0.0487J	ug/L	*0.003*
	Mar-22	MW-7	Tris(2-chloroethyl) phosphate	0.0622J	0.0601J	ug/L	*0.0021*
Metals	Feb-20	MW-7	Aluminum	0.087	0.091	mg/L	*0.004*
			Arsenic	2.99	3.1	ug/L	3.6%
			Barium	259	266	ug/L	2.7%
			Calcium	110	114	mg/L	3.6%
			Chromium	0.86	0.88	ug/L	2.3%
			Cobalt	4.81	5.03	ug/L	4.5%
			Copper	4.49	4.97	ug/L	10.1%
			Iron	16	16.8	mg/L	4.9%
			Magnesium	33.1	34.3	mg/L	3.6%
			Manganese	4560	4700	ug/L	3.0%
			Nickel	3.83	4.01	ug/L	4.6%
Metals	Feb-20	MW-7	Potassium	30	31.4	mg/L	4.6%
			Selenium	0.22	0.25	ug/L	*0.03*
			Sodium	48.9	50.9	mg/L	4.0%

Analyte Group	Date	Well	Analyte	Primary	Duplicate	Units	RPD/ AD
			Thallium	0.24	0.21	ug/L	0.03
			Vanadium	1.69	1.76	ug/L	4.1%
	Aug-20	MW-5	Aluminum	0.026	0.025U	mg/L	--
			Arsenic	3.44	3.4	ug/L	1.2%
			Barium	161	160	ug/L	0.6%
			Calcium	37	37.4	mg/L	1.1%
			Chromium	1.29	1.58	ug/L	20.2%
			Cobalt	5.17	5.11	ug/L	1.2%
			Iron	29.9	29.8	mg/L	0.3%
			Magnesium	11.1	11.3	mg/L	1.8%
			Manganese	3810	3700	ug/L	2.9%
			Nickel	1.67	1.67	ug/L	0.0%
			Potassium	18.5	18.7	mg/L	1.1%
			Selenium	0.11	0.11	ug/L	*0*
			Sodium	15.3	15.2	mg/L	0.7%
			Vanadium	3.13	3.1	ug/L	1.0%
	Oct-20	MW-7	Aluminum	0.112	0.107	mg/L	*0.005*
			Antimony	0.33	0.32	ug/L	*0.01*
			Arsenic	8.16	8.12	ug/L	0.5%
			Barium	157	150	ug/L	4.6%
			Calcium	115	116	mg/L	0.9%
			Chromium	0.9	0.88	ug/L	*0.02*
			Cobalt	6.68	6.61	ug/L	1.1%
			Copper	1.37	1.28	ug/L	*0.09*
			Iron	27.5	27.8	mg/L	1.1%
			Magnesium	32.9	33.2	mg/L	0.9%
			Manganese	4970	4860	ug/L	2.2%
			Nickel	4.95	4.98	ug/L	0.6%
			Potassium	24.9	25.2	mg/L	1.2%
			Selenium	0.23	0.22	ug/L	*0.01*
			Sodium	37.6	38.1	mg/L	1.3%
			Vanadium	2.94	2.9	ug/L	1.4%
	Jan-21	MW-7	Aluminum	0.088	0.079	mg/L	*0.009*
			Arsenic	12.8	12.3	ug/L	4.0%
			Barium	132	123	ug/L	7.1%
			Calcium	150	148	mg/L	1.3%
			Chromium	0.94	0.84	ug/L	*0.1*
			Cobalt	9.11	8.76	ug/L	3.9%
			Copper	0.75	0.68	ug/L	*0.07*
Metals	Jan-21	MW-7	Iron	45.2	44.2	mg/L	2.2%
			Magnesium	49.2	48.7	mg/L	1.0%
			Manganese	6080	5810	ug/L	4.5%

Analyte Group	Date	Well	Analyte	Primary	Duplicate	Units	RPD/ AD
			Nickel	5.95	5.73	ug/L	3.8%
			Potassium	25.3	24.7	mg/L	2.4%
			Selenium	0.25	0.25	ug/L	*0*
			Sodium	56.8	56.7	mg/L	0.2%
			Vanadium	3.21	3.02	ug/L	6.1%
	Apr-21	MW-7	Aluminum	0.251	0.291	mg/L	14.8%
			Arsenic	12.4	12.7	ug/L	2.4%
			Barium	88.8	89.8	ug/L	1.1%
			Calcium	126	122	mg/L	3.2%
			Chromium	0.96	0.97	ug/L	*0.01*
			Cobalt	7.99	8.33	ug/L	4.2%
			Copper	0.81	0.89	ug/L	0.08
			Iron	39.3	37.5	mg/L	4.7%
			Lead	0.16	0.16	ug/L	*0*
			Magnesium	39.9	38.8	mg/L	2.8%
			Manganese	4920	5260	ug/L	6.7%
			Nickel	5.71	5.91	ug/L	3.4%
			Potassium	20.4	19.5	mg/L	4.5%
			Selenium	0.2	0.21	ug/L	*0.01*
			Sodium	57.8	56.3	mg/L	2.6%
			Vanadium	3.1	3.2	ug/L	3.2%
	Jul-21	MW-7	Aluminum	0.026	0.026	mg/L	*0*
			Arsenic	10.2	9.81	ug/L	3.9%
			Barium	69.3	67.9	ug/L	2.0%
			Calcium	136	133	mg/L	2.2%
			Chromium	0.62	0.59	ug/L	*0.03*
			Cobalt	6.42	6.37	ug/L	0.8%
			Copper	0.57	0.6	ug/L	*0.03*
			Iron	13.4	13.1	mg/L	2.3%
			Magnesium	42.4	41.3	mg/L	2.6%
			Manganese	6180	6060	ug/L	2.0%
			Nickel	7.09	7.04	ug/L	0.7%
			Potassium	14.4	14	mg/L	2.8%
			Selenium	0.17	0.18	ug/L	*0.01*
			Sodium	63.6	62.1	mg/L	2.4%
			Vanadium	1.97	1.89	ug/L	4.1%
	Oct-21	MW-7	Aluminum	0.131	0.13	mg/L	0.8%
			Arsenic	8.42	8.52	ug/L	1.2%
			Barium	134	127	ug/L	5.4%
Metals	Oct-21	MW-7	Calcium	104	10.5	mg/L	163.3%
			Chromium	0.99	0.98	ug/L	*0.01*
			Cobalt	6.62	6.52	ug/L	1.5%

Analyte Group	Date	Well	Analyte	Primary	Duplicate	Units	RPD/ AD
			Copper	0.93	0.8	ug/L	*0.13*
			Iron	31.5	30.7	mg/L	2.6%
			Lead	0.17	0.16	ug/L	*0.01*
			Magnesium	32.6	33	mg/L	1.2%
			Manganese	4180	4230	ug/L	1.2%
			Nickel	4.1	4.18	ug/L	1.9%
			Potassium	26.2	25.5	mg/L	2.7%
			Selenium	0.23	0.23	ug/L	*0.00*
			Sodium	41.9	42.1	mg/L	0.5%
			Vanadium	2.99	2.88	ug/L	3.7%
			Zinc	6	5U	ug/L	--
	Mar-22	MW-7	Aluminum	0.066	0.072	mg/L	*0.006*
			Arsenic	8.68	8.5	ug/L	2.1%
			Barium	300	303	ug/L	1.0%
			Calcium	118	117	mg/L	0.9%
			Chromium	1.42	1.49	ug/L	4.8%
			Cobalt	5.71	5.58	ug/L	2.3%
			Copper	0.54	0.53	ug/L	*0.01*
			Iron	61	59.5	mg/L	2.5%
			Magnesium	41.2	40.3	mg/L	2.2%
			Manganese	6000	6080	ug/L	1.3%
			Nickel	3.88	3.88	ug/L	0.0%
			Potassium	29.5	29.2	mg/L	1.0%
			Selenium	0.29	0.3	ug/L	*0.01*
			Sodium	46.9	45.9	mg/L	2.2%
			Vanadium	3.71	3.7	ug/L	0.3%
PCB	Aug-20	MW-5	PCB-035	0.597J	0.545UJ	pg/L	--
			PCB-194	0.636J	1.01NJ	pg/L	--
	Oct-20	MW-7	PCB-019	1.18J	1.58J	pg/L	*0.4*
			PCB-082	2.15J	2.31NJ	pg/L	--
			PCB-083/099	6.85J	8.42J	pg/L	*1.57*
			PCB-084	5.44J	7.51NJ	pg/L	--
			PCB-088/091	2.33J	2.36J	pg/L	*0.03*
			PCB-090/101/113	17J	17.5J	pg/L	*0.5*
			PCB-092	3.26J	3.52J	pg/L	*0.26*
			PCB-093/095/098/100/102	17.3J	18.4NJ	pg/L	--
			PCB-110/115	19.5J	20.2J	pg/L	*0.7*
			PCB-129/138/160/163	21.3J	23.6NJ	pg/L	--
PCB	Oct-20	MW-7	PCB-130	1.51NJ	1.78J	pg/L	--
			PCB-132	6.39J	7.2NJ	pg/L	--
			PCB-135/151/154	5.26NJ	5.03J	pg/L	--
			PCB-136	2.3J	1.64NJ	pg/L	--

Analyte Group	Date	Well	Analyte	Primary	Duplicate	Units	RPD/ AD
			PCB-137	2.4J	2.64NJ	pg/L	--
			PCB-146	3.37J	3.71NJ	pg/L	--
			PCB-147/149	13.2J	13.9J	pg/L	*0.7*
			PCB-153/168	23.2J	21.3J	pg/L	*1.9*
			PCB-158	1.94J	2.15J	pg/L	*0.21*
			PCB-167	3.03J	1.86NJ	pg/L	--
			PCB-170	4.39J	4.9J	pg/L	*0.51*
			PCB-171/173	1J	0.581UJ	pg/L	--
			PCB-174	2.57J	3.31NJ	pg/L	--
			PCB-177	1.51J	0.984J	pg/L	*0.526*
			PCB-180/193	15.8J	17.8J	pg/L	*2*
			PCB-183/185	2.33NJ	1.42J	pg/L	--
			PCB-187	3.82J	4.14NJ	pg/L	--
			PCB-194	2.01J	1.72NJ	pg/L	--
	Jan-21	MW-7	PCB-025	0.837NJ	0.706J	pg/L	--
			PCB-86/087/097/109/119/125	11.7UJ	13J	pg/L	--
			PCB-093/095/098/100/102	18.1J	16.3UJ	pg/L	--
			PCB-108/124	0.833J	0.867NJ	pg/L	--
			PCB-129/138/160/163	26UJ	33.4J	pg/L	--
			PCB-135/151/154	10.1UJ	10.8J	pg/L	--
			PCB-136	3.38UJ	3.8J	pg/L	--
			PCB-141	8.75J	7.41J	pg/L	*1.34*
			PCB-147/149	19.2UJ	23.9J	pg/L	--
			PCB-153/168	26.3J	32.3J	pg/L	*6*
			PCB-167	1.04NJ	1.58J	pg/L	--
			PCB-170	11.2J	11.5NJ	pg/L	--
			PCB-176	1.17J	1.81NJ	pg/L	--
			PCB-177	4.7J	8.11J	pg/L	*3.41*
			PCB-178	1.63J	2.86NJ	pg/L	--
			PCB-179	4.27J	5.88NJ	pg/L	--
			PCB-180/193	35.5J	38.6J	pg/L	*3.1*
			PCB-183/185	6.18J	9.3J	pg/L	*3.12*
			PCB-187	9.99UJ	17J	pg/L	--
			PCB-190	1.69J	2.17NJ	pg/L	--
			PCB-194	12.2NJ	8.88J	pg/L	--
			PCB-195	2.13J	2.76NJ	pg/L	--
			PCB-197/200	0.802J	0.929NJ	pg/L	--
PCB	Jan-21	MW-7	PCB-198/199	5.43J	9.66J	pg/L	*4.23*
			PCB-203	4.03J	5.48J	pg/L	*1.45*
			PCB-206	2.19J	2.23J	pg/L	*0.04*
			PCB-209	16J	16.5J	pg/L	*0.5*
	Apr-21	MW-7	PCB-019	0.71J	0.589NJ	pg/L	--

Analyte Group	Date	Well	Analyte	Primary	Duplicate	Units	RPD/ AD
			PCB-082	0.542UJ	0.596J	pg/L	--
			PCB-092	1.82NJ	0.969J	pg/L	--
			PCB-093/095/098/100/102	5.7UJ	5.43J	pg/L	--
			PCB-146	1.65J	1.06NJ	pg/L	--
			PCB-156/157	1.07J	0.663J	pg/L	*0.407*
			PCB-174	2NJ	1.23J	pg/L	--
			PCB-177	1.19J	0.843NJ	pg/L	--
			PCB-179	0.659J	0.608J	pg/L	*0.051*
			PCB-183/185	1.48NJ	0.977J	pg/L	--
D/F	Aug-20	MW-5	1,2,3,4,6,7,8-HpCDD	0.936NUJ	0.711J	pg/L	--
			1,2,3,4,6,7,8-HpCDF	0.736J	0.542UJ	pg/L	--
			1,2,3,7,8-PeCDD	0.713J	0.542UJ	pg/L	--
	Oct-20	MW-7	1,2,3,4,6,7,8-HpCDD	1.4J	1.58J	pg/L	*0.18*
			OCDD	6.89J	9.5J	pg/L	*2.61*
	Jan-21	MW-7	OCDD	6.36J	5.95UJ	pg/L	--
	Apr-21	MW-7	1,2,3,4,6,7,8-HpCDF	0.514UJ	0.704J	pg/L	--
			1,2,3,7,8-PeCDF	0.514UJ	0.893J	pg/L	--
			OCDD	12.5J	14.3J	pg/L	*1.8*

Table D5. Summary of equipment blank detections.

Date	Analyte	Concentration	Units
Feb 2020	Calcium	0.095	mg/L
	Copper	0.12	ug/L
	Sodium	0.288	mg/L
Aug 2020	#2 Diesel	0.39	mg/L
	Calcium	0.118	mg/L
	Chromium	0.35	ug/L
	Manganese	0.47	ug/L
	Sodium	0.286	mg/L
Oct 2020	Calcium	0.067	mg/L
	Chromium	0.25	ug/L
	Manganese	0.454	ug/L
	Sodium	0.207	mg/L
Jan 2021	#2 Diesel	0.18	mg/L
	Calcium	0.046	mg/L
	Manganese	0.22	ug/L
	Sodium	0.193	mg/L
Apr 2021	Calcium	0.04	mg/L
	Sodium	0.213	mg/L
Jul 2021	Calcium	0.242	mg/L
	Magnesium	0.067	mg/L
	Manganese	2.49	ug/L
	Sodium	0.358	mg/L
Oct 2021	Calcium	0.052	mg/L
	Manganese	0.799	ug/L
	Sodium	0.205	mg/L
Mar 2022	Barium	0.24	ug/L
	Calcium	0.05	mg/L
	Chromium	0.49	ug/L
	Manganese	0.718	ug/L
	Sodium	0.103	mg/L

Appendix E. Field Measurements

Field data collected prior to sampling each well for all eight groundwater sampling events at the May Creek Landfill. Groundwater level contour maps are presented in Figures E1 through E8. Stabilized water quality parameters are presented in Tables E1 though E8.

The following abbreviation is used in the tables:

EST: Value is an estimate. Final three readings outside of acceptance criteria or post calibration verification outside of acceptance criteria.

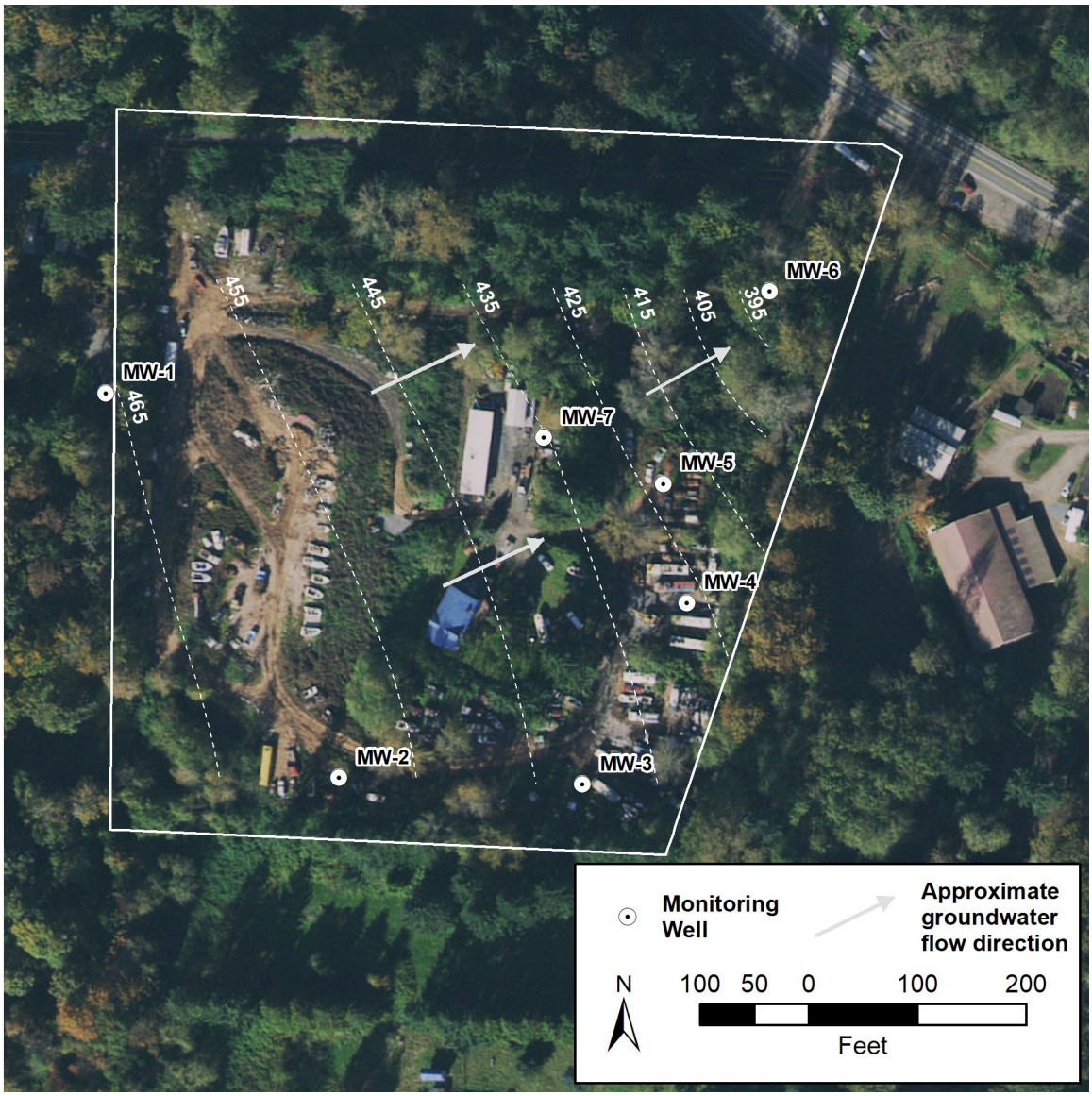

Figure E1. Groundwater contour map for February 2020.

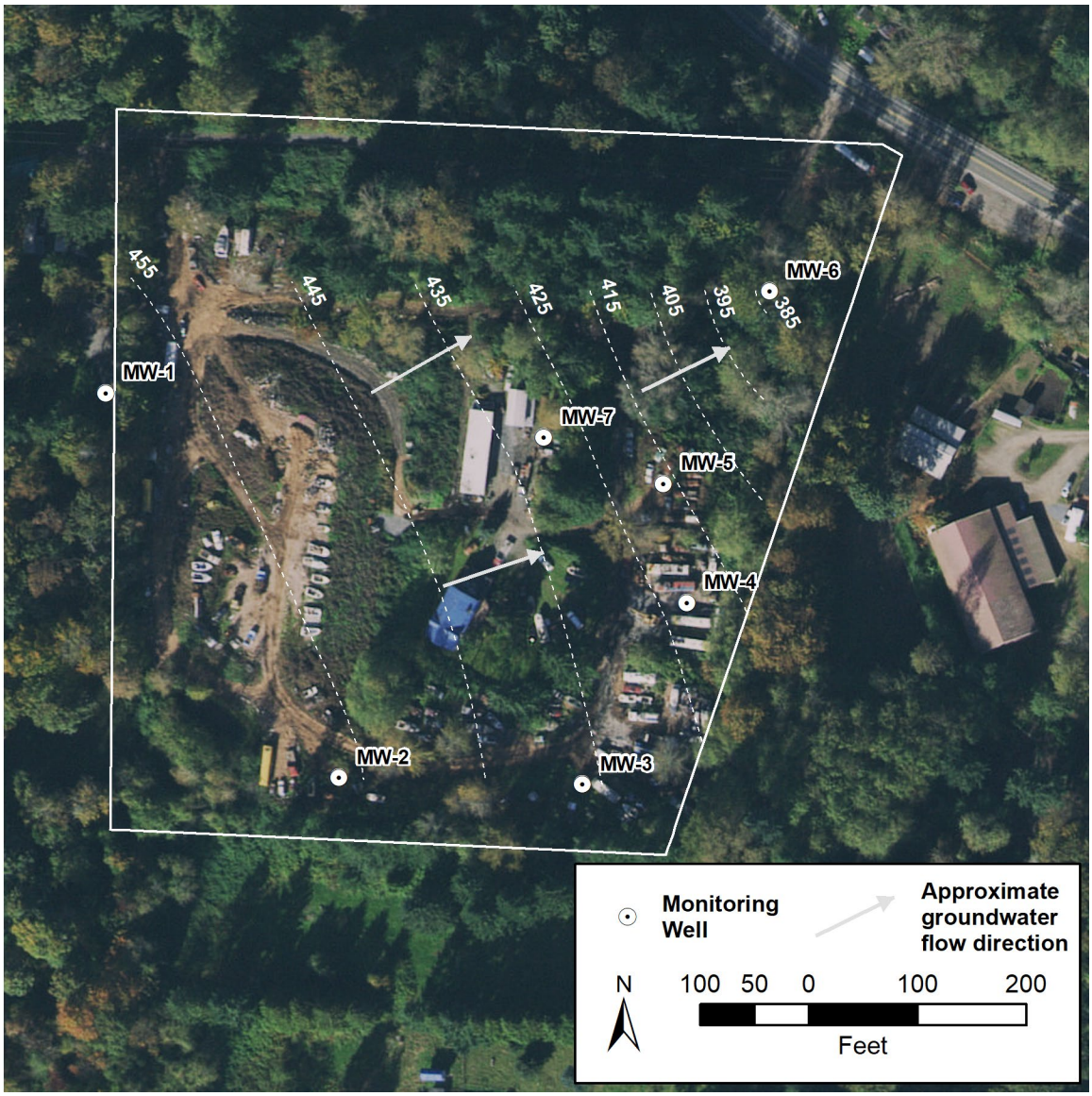

Figure E2. Groundwater contour map for August 2020.

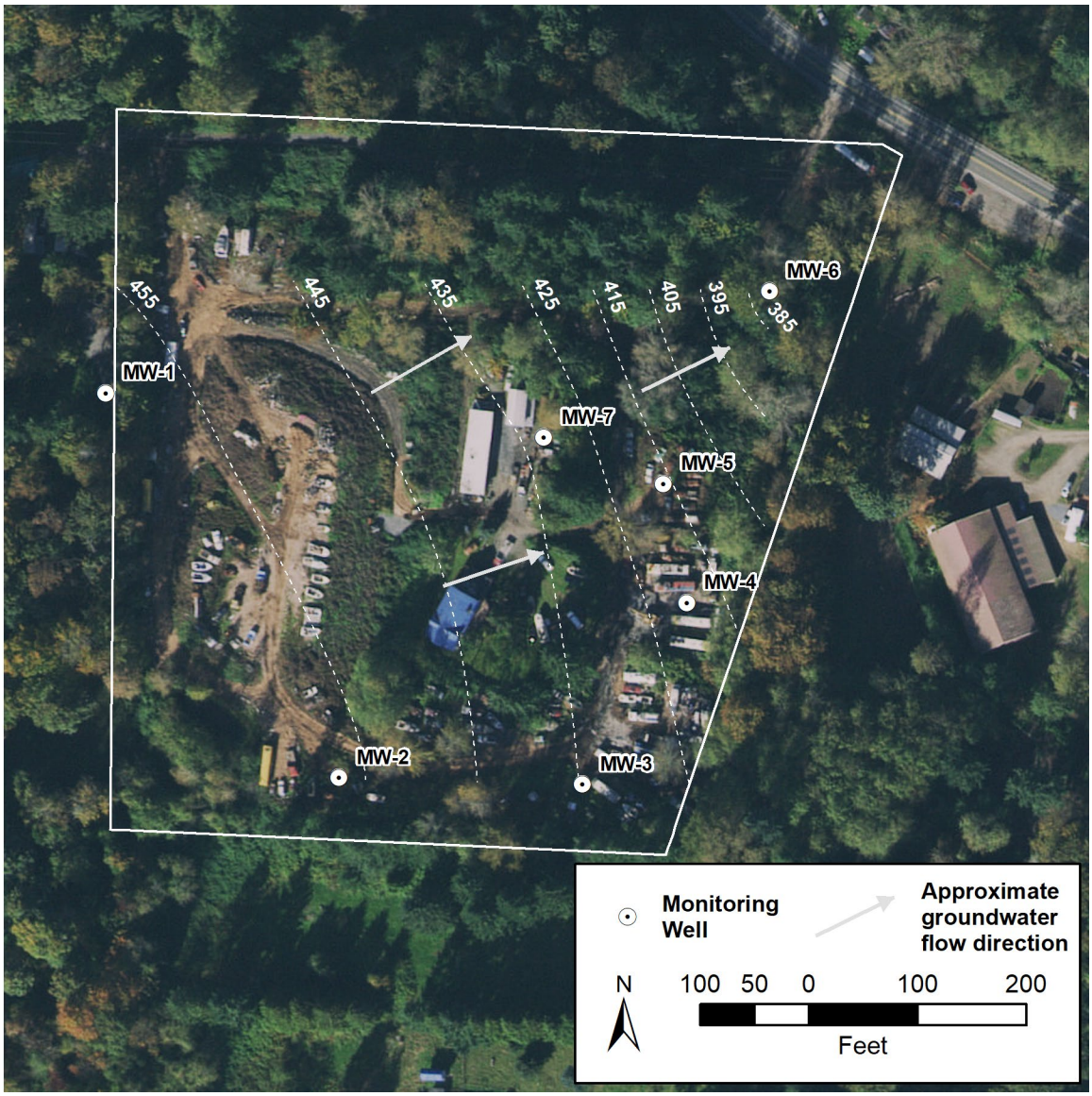

Figure E3. Groundwater contour map for October 2020.

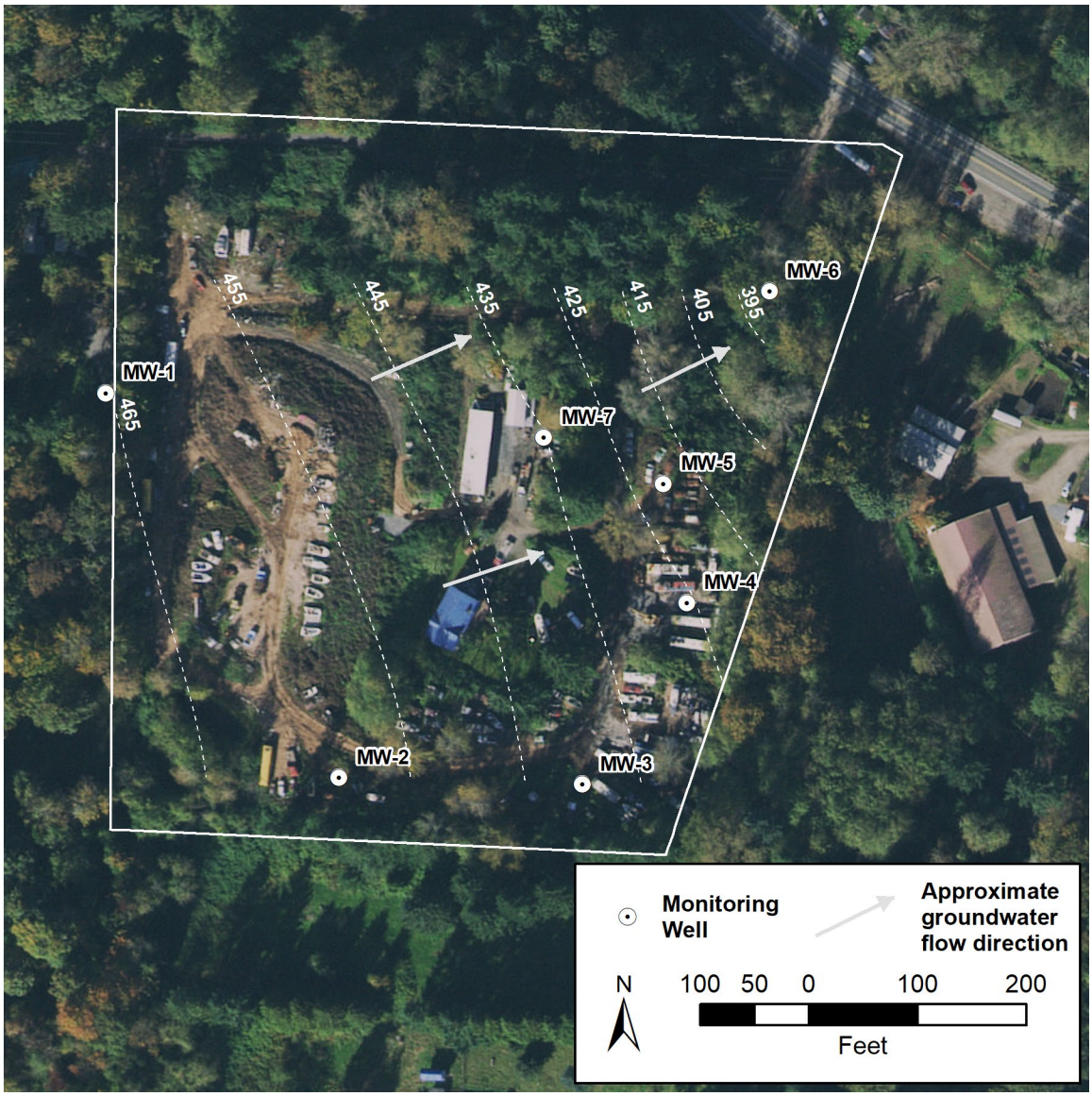

Figure E4 Groundwater contour map for January 2021.

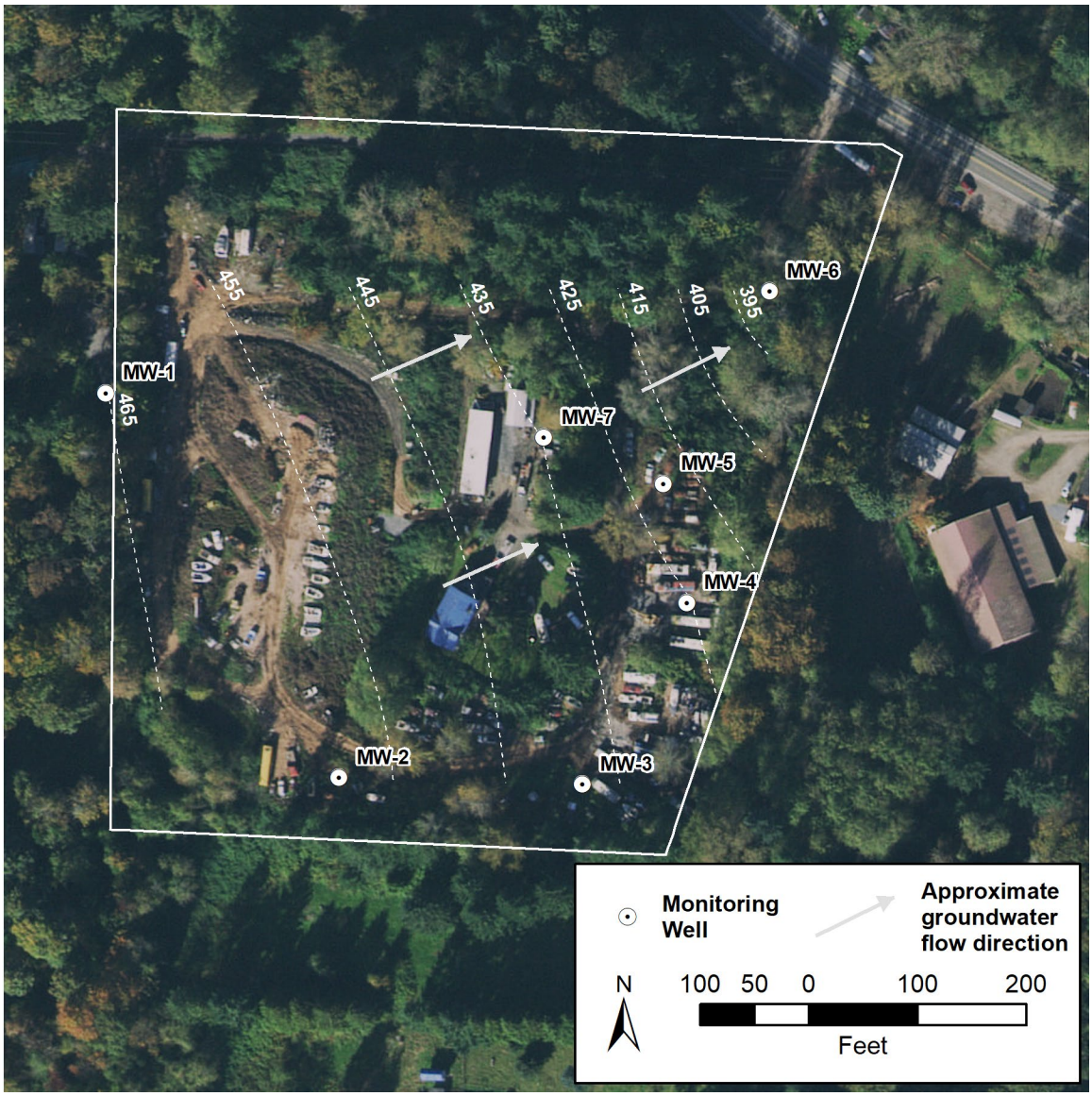

Figure E5. Groundwater contour map for April 2021.

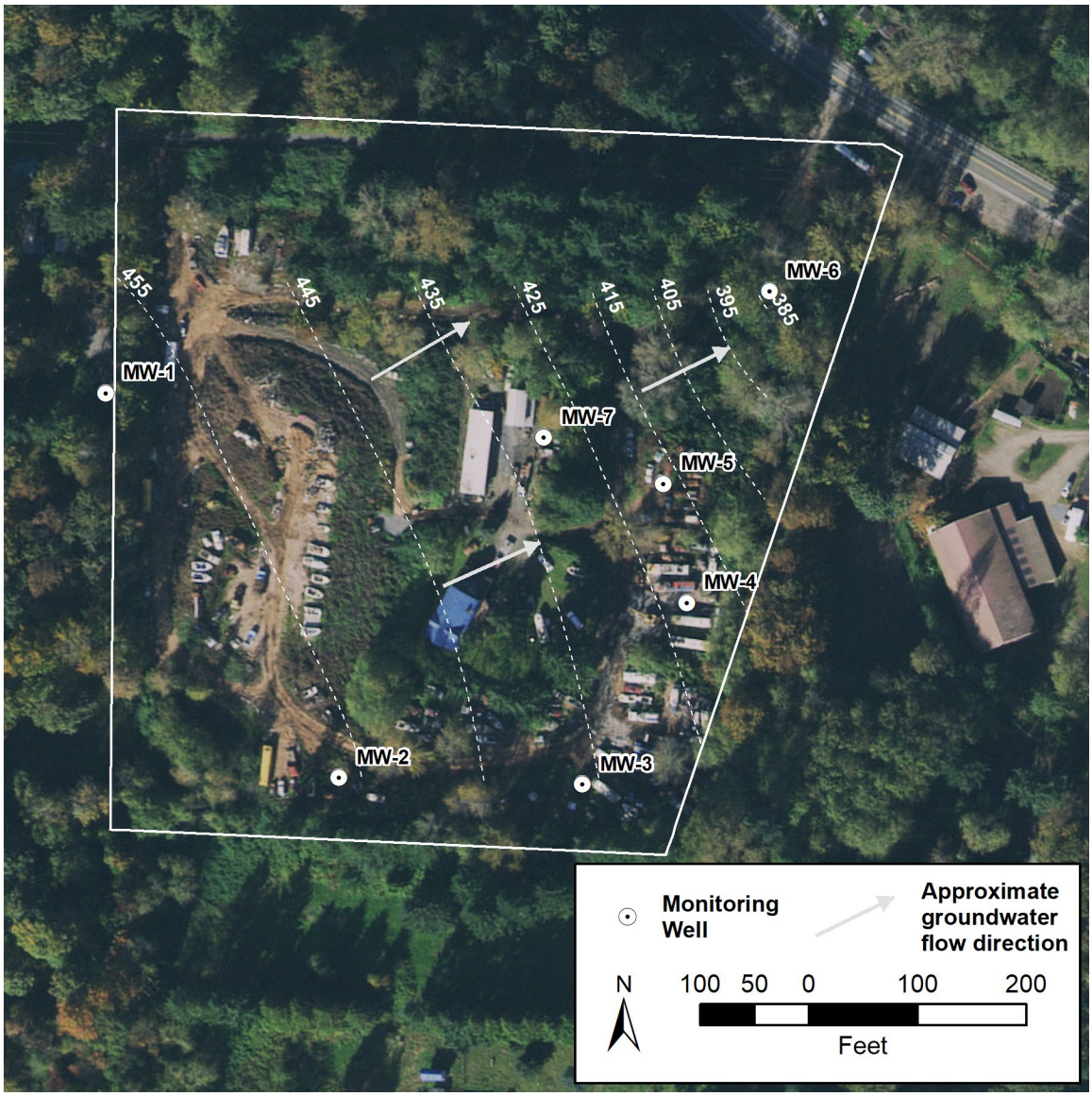

Figure E6. Groundwater contour map for July 2021.

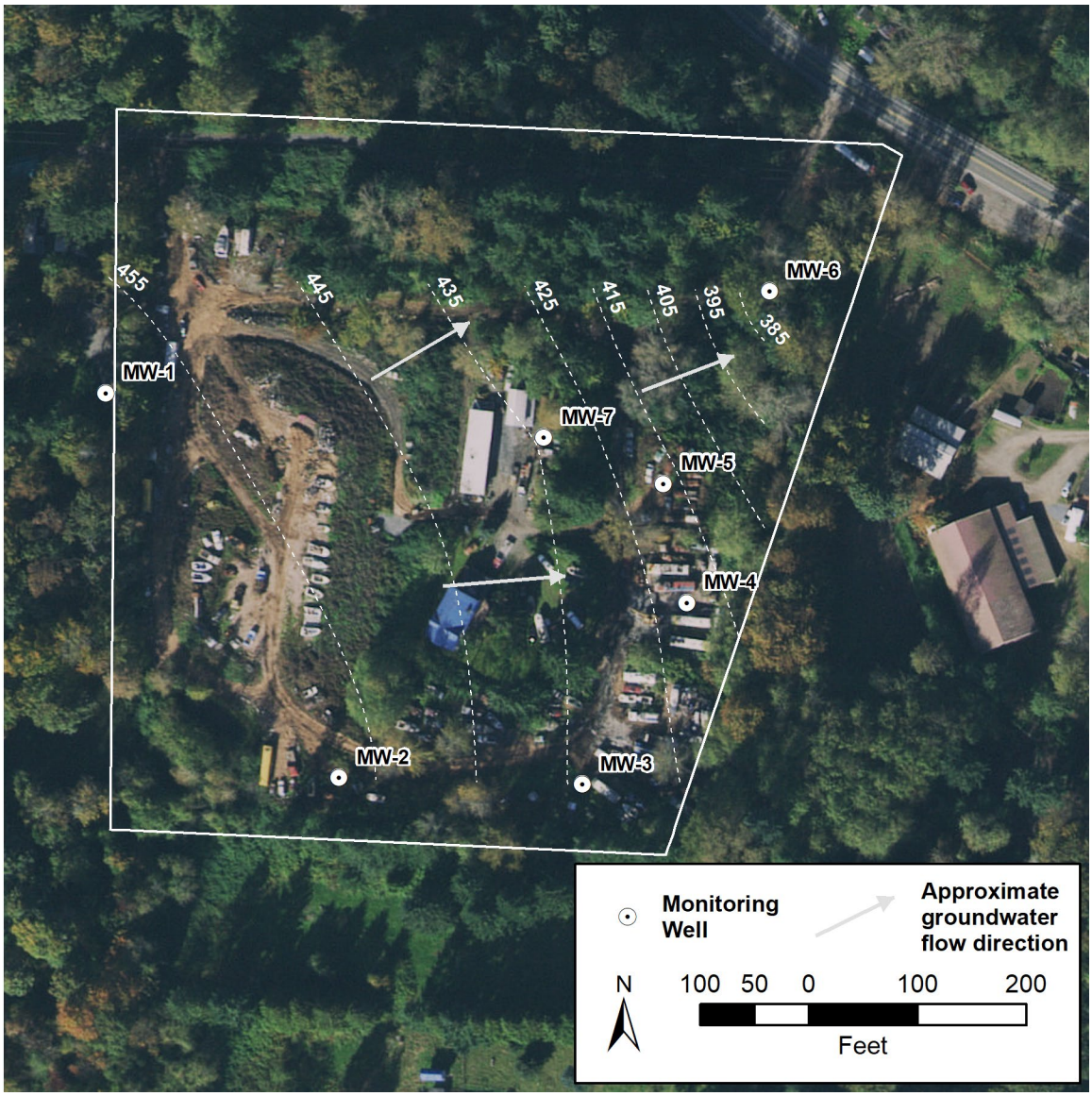

Figure E7. Groundwater contour map for October 2021.

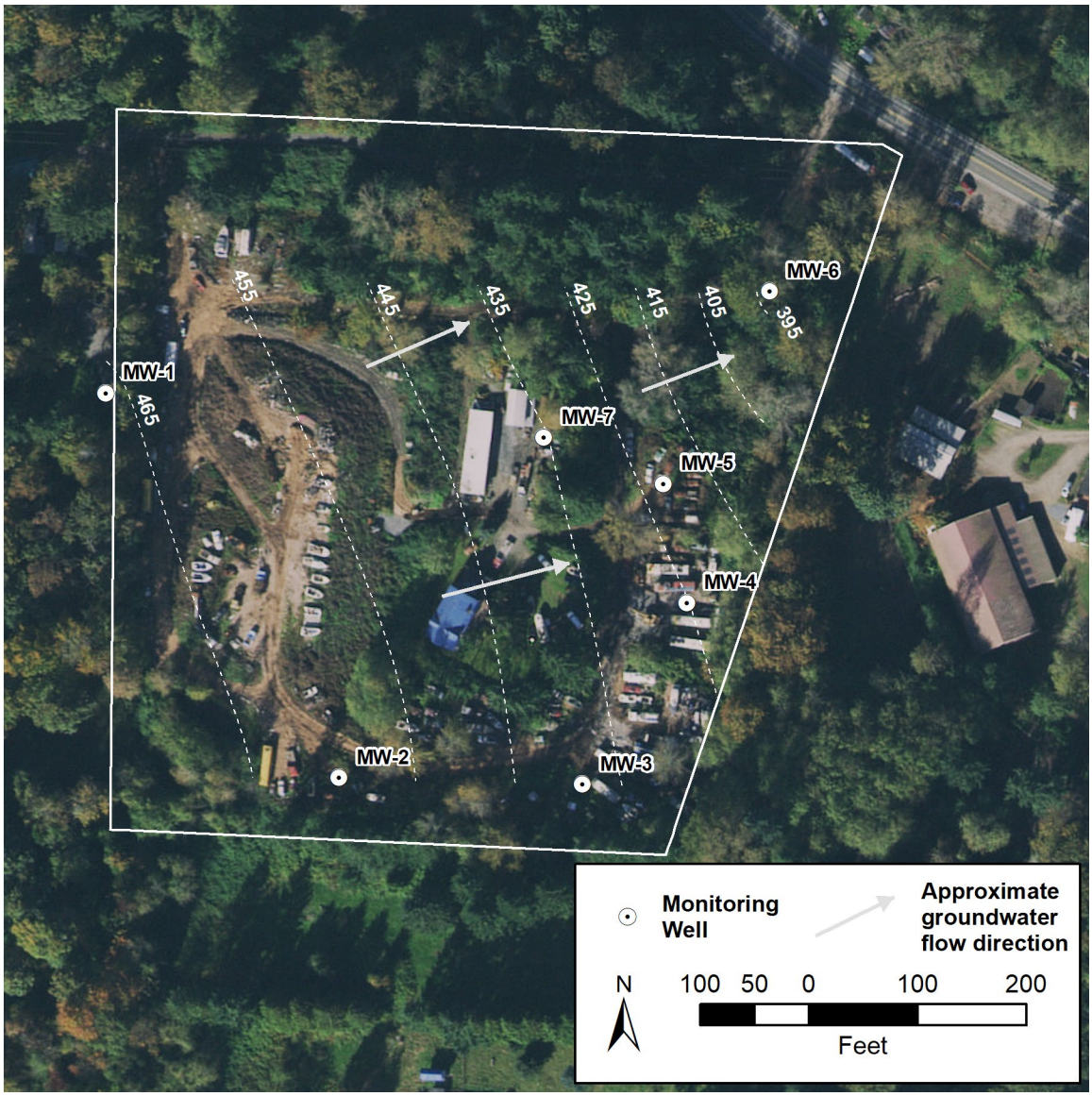

Figure E8. Groundwater contour map for March 2022.

Table E1. Field parameters, February 2020.

Well	pH (Standard Units)	Conductivity (µS/m)	Dissolved Oxygen (mg/L)	Oxidation/ Reduction Potential (mV)	Turbidity (NTU)
MW-1	5.9 EST	105	11.5	111	8.7 EST
MW-2	6.8 EST	1069	0	-117	1.9 EST
MW-3	6.6 EST	595 EST	0 EST	37	5.0 EST
MW-4	5.9 EST	392	0	95	1.8
MW-5	6.4 EST	499	0	-81	2.0 EST
MW-6	6.7 EST	561	0.6 EST	44	44.5 EST
MW-7	6.4 EST	1025 EST	0.7 EST	26 EST	22.2 EST

Table E2. Field parameters, August 2020.

Well	pH (Standard Units)	Conductivity (µS/m)	Dissolved Oxygen (mg/L)	Oxidation/ Reduction Potential (mV)	Turbidity (NTU)
MW-1	5.4	104 EST	9.9	144	0.3
MW-2	6.3	654	0	-61	1.7 EST
MW-3	6.1	526	5.7 EST	114	3.5 EST
MW-4	5.5	368	0	137	2.9
MW-5	6.1	490	0	-23	0.7 EST
MW-6	6.2	728	0	50	1.1 EST
MW-7	6.2	1232	0	20	1.0 EST

Table E3. Field parameters, October 2020.

Well	pH (Standard Units)	Conductivity (µS/m)	Dissolved Oxygen (mg/L)	Oxidation/ Reduction Potential (mV)	Turbidity (NTU)
MW-1	5.8	126	6.6	43	0.4
MW-2	6.3	654	0	-88	2.2
MW-3	6.2 EST	515	1.3 EST	-1	1.3 EST
MW-4	5.1	367	0.9 EST	48	7.7 EST
MW-5	6.0	562	0 EST	-49	1.8
MW-6	6.1	667	0	58	2.3 EST
MW-7	6.3	1103 EST	0	-74	4.4 EST

Table E4. Field parameters, January 2021.

Well	pH (Standard Units)	Conductivity (µS/m)	Dissolved Oxygen (mg/L)	Oxidation/ Reduction Potential (mV)	Turbidity (NTU)
MW-1	5.6	112 EST	11.1	129	0.4
MW-2	6.6	505	0	1	1.6 EST
MW-3	6.1	529	0.6	2	2.0
MW-4	5.7	390	0	32	3.1 EST
MW-5	6.1	537	0	-76	1.3
MW-6	6.3	670	0	89	4.0 EST
MW-7	6.2	1376	0	-92	2.0 EST

Table E5. Field parameters, April 2021.

Well	pH (Standard Units)	Conductivity (µS/m)	Dissolved Oxygen (mg/L)	Oxidation/ Reduction Potential (mV)	Turbidity (NTU)
MW-1	5.9	102	11.3	183	2.3 EST
MW-2	6.6	800	0	-116	0.9 EST
MW-3	6.2	524	0	82 EST	2.4 EST
MW-4	5.8	357	0	105	3.8 EST
MW-5	6.3	511	0	-87	0.8 EST
MW-6	6.4	675	0	46	2.5 EST
MW-7	6.4	1193	0	-85	2.6 EST

Table E6. Field parameters, July 2021.

Well	pH (Standard Units)	Conductivity (µS/m)	Dissolved Oxygen (mg/L)	Oxidation/ Reduction Potential (mV)	Turbidity (NTU)
MW-1	5.8	105	9.9	111	1.2 EST
MW-2	6.3	598	0	-125	0.4
MW-3	5.9	523	0 EST	38	2.6 EST
MW-4	5.4	349	0	42	2.6
MW-5	6.0	554	0	-85	0.7 EST
MW-6	6.3	746	0	-25	1.8
MW-7	6.2	1181	0	-46	0.8 EST

Table E7. Field parameters, October 2021.

Well	pH (Standard Units)	Conductivity (µS/m)	Dissolved Oxygen (mg/L)	Oxidation/ Reduction Potential (mV)	Turbidity (NTU)
MW-1	5.7	139	6.1	173	0.2
MW-2	6.1	789	0	-85	0.4
MW-3	6.1	503	1.3	85 EST	1.1 EST
MW-4	5.5	342	0	107 EST	1.2
MW-5	6.0	594	0	-40	2.1 EST
MW-6	6.2	647	0	62	1.7 EST
MW-7	6.3	1029	0	-105	6.0 EST

Table E8. Field parameters, March 2022.

Well	pH (Standard Units)	Conductivity (µS/m)	Dissolved Oxygen (mg/L)	Oxidation/ Reduction Potential (mV)	Turbidity (NTU)
MW-1	5.7	100	11.9	120	1.0
MW-2	6.4	628	0	20	1.9
MW-3	6.0	533	0	59	4.5 EST
MW-4	5.8	337	0	49	2.8 EST
MW-5	6.0	490	0	-54	1.1 EST
MW-6	6.3	710	0	80	2.3 EST
MW-7	6.3	1174	0	-91	1.1

Appendix F. Total Petroleum Hydrocarbons

Analytical data for total petroleum hydrocarbons for each well from all eight groundwater sampling events at the May Creek Landfill. Manchester Environmental Laboratory performed all analyses. In August 2020 and January 2021, the equipment blank yielded a positive result for #2 diesel; the chromatograms for those analyses did not match the typical diesel chromatogram. All results are given in mg/L.

The following qualifiers and abbreviations are used in the tables:

U: Analyte was not detected at or above the reported result.

J: Analyte was positively identified. The reported result is an estimate.

B: Analyte detected in sample and field blank. Reported result is sample concentration without blank correction or associated quantitation limit.

REJ: Sample results rejected due to blank contamination. The presence or absence of the analyte cannot be verified.

--: Not sampled

PCUL: Preliminary cleanup level.

na: A PCUL has not been assigned for this analyte.

Bold: Analyte positively identified in sample.

Bold and underlined: Analyte positively identified in sample at a concentration above PCUL

Table F1. Total petroleum hydrocarbon results (mg/L) from MW-1, February 2020 – March 2022.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	April 21	July 21	Oct 21	Mar 22	PCUL
#2 Diesel	0.15U	REJ	0.26U	0.15U	0.15U	0.18U	0.23U	0.17U	0.5
Lube oil	0.37U	0.38U	0.38U	0.38U	0.37U	0.40U	0.37U	0.37U	0.5
Gasoline	0.07U	0.07U	0.07U	0.07U	0.07U	--	--	--	0.8

Table F2. Total petroleum hydrocarbon results (mg/L) from MW-2, February 2020 – March 2022.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	April 21	July 21	Oct 21	Mar 22	PCUL
#2 Diesel	0.15U	REJ	0.22U	REJ	0.18U	0.23U	0.47U	0.25U	0.5
Lube oil	0.38U	0.37U	0.38U	0.38U	0.38U	0.38U	***0.39***	0.38U	0.5
Gasoline	0.07U	0.07U	0.07U	0.07U	0.07U	--	--	--	0.8

Table F3. Total petroleum hydrocarbon results (mg/L) from MW-3, February 2020 – March 2022.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	April 21	July 21	Oct 21	Mar 22	PCUL
#2 Diesel	0.15U	REJ	0.25U	REJ	0.18U	0.23U	0.28U	0.33U	0.5
Lube oil	0.38U	0.39U	0.39U	0.4U	0.40U	0.37U	0.37U	0.38U	0.5
Gasoline	0.07U	0.07U	0.07U	0.07U	0.07U	--	--	--	0.8

Table F4. Total petroleum hydrocarbon results (mg/L) from MW-4, February 2020 – March 2022.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	April 21	July 21	Oct 21	Mar 22	PCUL
#2 Diesel	0.15U	REJ	0.24U	REJ	0.15U	0.21U	0.28U	0.23U	0.5
Lube oil	0.38U	0.37U	0.38U	0.38U	0.38U	0.38U	0.38U	0.37U	0.5
Gasoline	0.07U	0.07U	0.07U	0.07U	0.07U	--	--	--	0.8

Table F5. Total petroleum hydrocarbon results (mg/L) from MW-5, February 2020 – March 2022.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	April 21	July 21	Oct 21	Mar 22	PCUL
#2 Diesel	0.15U	REJ	0.22U	REJ	**0.31**	0.34U	0.55U	0.42U	0.5
Lube oil	0.37U	0.38U	0.38U	0.37U	0.38U	0.38U	**0.49**	0.48U	0.5
Gasoline	0.07U	0.07U	0.07U	0.07U	0.07U	--	--	--	0.8

Table F6. Total petroleum hydrocarbon results (mg/L) from MW-6, February 2020 – March 2022.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	April 21	July 21	Oct 21	Mar 22	PCUL
#2 Diesel	0.15U	REJ	0.36U	REJ	**0.38**	0.36U	0.67U	0.45U	0.5
Lube oil	0.38U	0.38U	0.39U	**0.44**	**0.49**	0.51U	**0.64**	**0.79**	0.5
Gasoline	0.07U	0.07U	0.07U	0.07U	0.07U	--	--	--	0.8

Table F7. Total petroleum hydrocarbon results (mg/L) from MW-7, February 2020 – March 2022.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	April 21	July 21	Oct 21	Mar 22	PCUL
#2 Diesel	**0.99**	**1.49B**	**1.3J**	**1.54B**	**1.39**	**1.30**	**1.91**	**1.12**	0.5
Lube oil	**1.01**	**1.68**	REJ	**2.44**	**2.43**	**2.12**	**3.20**	**2.05**	0.5
Gasoline	0.07U	0.07U	0.07U	0.07U	0.07U	--	--	--	0.8

Appendix G. Metals

Analytical results for metals from each well from all eight groundwater sampling events at the May Creek Landfill. Manchester Environmental Laboratory performed all analyses.

These qualifiers and abbreviations are used in the tables:

U – Analyte was not detected at or above the reported result.

L – Value is likely less than the reported result. Reported result may be biased high.

B – Analyte detected in sample and field blank. Reported result is sample concentration without blank correction or associated quantitation limit.

PCUL – Preliminary cleanup level.

na – A PCUL has not been assigned for this analyte.

Bold – Analyte positively identified in sample.

Bold and underlined – Analyte positively identified in sample at a concentration above PCUL.

Table G1. Metals results from MW-1, February 2020 – March 2022.

Analyte	Units	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Aluminum	mg/L	**0.406**	0.025U	0.025U	0.025U	0.025U	0.025U	0.025U	0.025U	0.05
Antimony	µg/L	0.1U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	5.6
Arsenic	µg/L	**0.23**	**0.19**	**0.21**	**0.16**	**0.17**	**0.17**	**0.22**	**0.16**	5
Barium	µg/L	**3.97**	**2.3**	**3.45**	**2.18**	**1.82**	**2.22**	**3.38**	**1.97**	1000
Beryllium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	4
Cadmium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.488
Calcium	mg/L	**9.69**	**9.09**	**11.8**	**9.35**	**8.74**	**9.5**	**13**	**8.8**	na
Chromium	µg/L	**1.23**	**1.09B**	**1.04B**	**1.04**	**1.13**	**1.13**	**0.98**	**1.09B**	100
Cobalt	µg/L	**0.15**	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	4.8
Copper	µg/L	**0.99**	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	11.4
Iron	mg/L	**0.236**	0.025U	0.025U	0.025U	0.025U	0.025U	0.025U	0.025U	0.3
Lead	µg/L	**0.14**	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	2.52
Magnesium	mg/L	**3.1**	**3.21**	**4.4**	**3.42**	**3.08**	**3.16**	**4.67**	**3.25**	na
Manganese	µg/L	**5.78**	**0.766B**	**1.59B**	**0.374B**	**0.285**	**0.508B**	**0.725B**	**0.323B**	50
Mercury	µg/L	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.012
Nickel	µg/L	**0.71**	**0.41**	**0.83**	**0.38**	**0.35**	**0.42**	**0.59**	**0.35**	26.3
Potassium	mg/L	**0.65**	**0.59**	**0.79**	**0.58**	**0.52**	**0.61**	**0.77**	**0.53**	na
Selenium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	5
Silver	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	3.22
Sodium	mg/L	**6.79**	**6.3**	**7.17**	**6.32**	**7.05**	**8.3**	**7.65**	**6.14**	na
Thallium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.0619
Vanadium	µg/L	**1.06**	**0.87**	**0.96**	**0.8**	**0.79**	**0.99**	**0.99**	**0.78**	144
Zinc	µg/L	5U	5U	5U	5U	5U	5U	5U	5U	105

Table G2. Metals results from MW-2, February 2020 – March 2022.

Analyte	Units	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Aluminum	mg/L	**0.081**	**0.029**	**0.187**	**0.046**	**0.027**	0.025U	**0.049**	**0.031**	0.05
Antimony	µg/L	**0.14**	0.3U	0.3U	**1.11**	0.3U	0.3U	0.3U	1.28	5.6
Arsenic	µg/L	**9.36**	**3.7**	**5.87**	**13.6**	**11.7**	**5**	**10.2**	**1.97**	5
Barium	µg/L	**149**	**171**	**165**	**41.6**	**118**	**119**	**202**	**60.8**	1000
Beryllium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	4
Cadmium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.488
Calcium	mg/L	**155**	**68.9**	**71.8**	**77.2**	**102**	**65**	**91.5**	**103**	na
Chromium	µg/L	**1.03**	**1.46B**	**1.68**	**0.68**	**1**	**1.14**	**1.08**	**1.14B**	100
Cobalt	µg/L	**0.46**	**0.31**	**0.91**	**0.22**	**0.43**	**0.44**	**1.5**	**0.18**	4.8
Copper	µg/L	**0.31B**	0.4U	0.4U	**1.22**	0.4U	0.4U	0.4U	**1.62**	11.4
Iron	mg/L	**26.7**	**42.2**	**41.2**	**1.41**	**37.1**	**43.6**	**40.6**	**0.565**	0.3
Lead	µg/L	**0.1**	0.1U	0.1U	**0.2**	0.1U	0.1U	0.1U	0.26	2.52
Magnesium	mg/L	**19.8**	**11.5**	**13.1**	**7.41**	**13.9**	**11.5**	**15.1**	**9.05**	na
Manganese	µg/L	**4140**	**6300**	**6100**	**260**	**5320**	**5900**	**6990**	**439**	50
Mercury	µg/L	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.012
Nickel	µg/L	**1.08**	**0.62**	**1.1**	**1.53**	**0.83**	**0.73**	**0.93**	**1.39**	26.3
Potassium	mg/L	**35.4**	**13.7**	**13.2**	**15.9**	**17.5**	**11.5**	**15.5**	**15.8**	na
Selenium	µg/L	**0.12**	**0.14**	**0.12**	0.1U	**0.13**	**0.13**	**0.16**	0.1U	5
Silver	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	3.22
Sodium	mg/L	**15.5**	**11.7**	**12.7**	**9.96**	**15.1**	**15.2**	**14.5**	**10.1**	na
Thallium	µg/L	**0.16**	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.0619
Vanadium	µg/L	**2.94**	**5.62**	**5.32**	**1.12**	**4.13**	**4.85**	**3.85**	**1.17**	144
Zinc	µg/L	5U	5U	5U	5U	5U	5U	5U	5U	105

Table G3. Metals results from MW-3, February 2020 – March 2022.

Analyte	Units	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Aluminum	mg/L	**0.241**	0.025U	**0.039**	0.025U	0.025U	0.025U	0.025U	**0.033**	0.05
Antimony	µg/L	0.1U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	5.6
Arsenic	µg/L	**2.94**	**0.66**	**0.42**	**0.49**	**0.4**	**0.38**	**0.27**	**1.08**	5
Barium	µg/L	**21.9**	**17.8**	**13.7**	**15**	**14.1**	**16**	**8.78**	**13.3**	1000
Beryllium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	4
Cadmium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	**0.23**	0.488
Calcium	mg/L	**59**	**52.4**	**53.1**	**51.7**	**53.1**	**53.9**	**50.5**	**53.5**	na
Chromium	µg/L	**0.42**	**0.3B**	**0.54B**	0.2U	0.2U	**0.2**	**0.23**	**0.72B**	100
Cobalt	µg/L	**7.06**	**3.06**	**0.34**	**0.92**	**2.11**	**2.27**	**0.18**	**2.28**	4.8
Copper	µg/L	**0.95**	**0.71**	**0.66**	**0.52**	**0.5**	**0.46**	0.4U	**0.88**	11.4
Iron	mg/L	**1.01**	**0.247**	**0.127**	**0.206**	**0.246**	**0.263**	**0.083**	**1.09**	0.3
Lead	µg/L	**0.11**	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	**0.17**	2.52
Magnesium	mg/L	**27.1**	**26.5**	**28**	**27.1**	**25.9**	**25.5**	**26**	**26.4**	na
Manganese	µg/L	**2490**	**1730**	**377**	**1140**	**1350**	**1200**	**80.3**	**616**	50
Mercury	µg/L	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.012
Nickel	µg/L	**7.53**	**6.33**	**3.44**	**8.99**	**8.87**	**9.5**	**3.43**	**7.8**	26.3
Potassium	mg/L	**4.02**	**3.41**	**3.66**	**3.43**	**3.04**	**3.19**	**2.9**	**2.76**	na
Selenium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	5
Silver	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	3.22
Sodium	mg/L	**20.2**	**15.8**	**15.9**	**16.7**	**19.7**	**21**	**15.9**	**16.3**	na
Thallium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.0619
Vanadium	µg/L	**2.46**	**0.75**	**0.77**	**0.66**	**0.38**	**0.57**	**0.36**	**0.61**	144
Zinc	µg/L	5U	5U	5U	5U	5U	5U	5U	7.9	105

Table G4. Metals results from MW-4, February 2020 – March 2022.

Analyte	Units	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Aluminum	mg/L	0.025U	0.025U	0.025U	0.025U	0.025U	0.025U	0.025U	0.025U	0.05
Antimony	µg/L	0.1U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	5.6
Arsenic	µg/L	**0.2**	**0.12**	0.1U	**0.2**	**0.22**	**0.12**	**0.13**	**0.31**	5
Barium	µg/L	**57.1**	**38.7**	**23.6**	**57.3**	**49.9**	**35.1**	**27.4**	**56.4**	1000
Beryllium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	4
Cadmium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.488
Calcium	mg/L	**47**	**37.9**	**36.4**	**44.6**	**41.6**	**36.1**	**33**	**39.4**	na
Chromium	µg/L	**0.19**	**0.22B**	**0.21B**	**0.27**	**0.22**	0.2U	**0.27**	**0.66B**	100
Cobalt	µg/L	**0.78**	**2.29**	**1.37**	**0.93**	**0.76**	**1.99**	**1.16**	**0.99**	4.8
Copper	µg/L	**1.16**	**0.68**	**0.7**	**1.18**	**1.08**	**0.8**	**0.65**	**0.81**	11.4
Iron	mg/L	**0.816**	**0.27**	**0.379**	**1.2**	**0.641**	**0.236**	**0.332**	**1.49**	0.3
Lead	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	2.52
Magnesium	mg/L	**11.3**	**10.2**	**10.1**	**12**	**10.5**	**9.04**	**8.75**	**10.2**	na
Manganese	µg/L	**562**	**710**	**409**	**527**	**399**	**538**	**305**	**379**	50
Mercury	µg/L	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.012
Nickel	µg/L	**0.63**	**4.34**	**5.2**	**0.62**	**0.59**	**4.06**	**4.34**	**0.59**	26.3
Potassium	mg/L	**4.25**	**3.02**	**2.78**	**4.26**	**4.29**	**3.1**	**2.56**	**4.7**	na
Selenium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	5
Silver	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	3.22
Sodium	mg/L	**17.9**	**20**	**21.6**	**15.2**	**15.9**	**26.6**	**21.6**	**12.4**	na
Thallium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.0619
Vanadium	µg/L	**0.17**	**0.13**	0.1U	**0.14**	**0.14**	**0.22**	**0.22**	**0.21**	144
Zinc	µg/L	5U	5U	5U	5U	5U	**15.5**	5U	5U	105

Table G5. Metals results from MW-5, February 2020 – March 2022.

Analyte	Units	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Aluminum	mg/L	**0.067**	**0.026**	**0.083**	**0.049**	**0.061**	**0.045**	**0.098**	**0.059**	0.05
Antimony	µg/L	0.1U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	5.6
Arsenic	µg/L	**3.28**	**3.44**	**3.24**	**2.44**	**2.46**	**3.08**	**1.92**	**2.64**	5
Barium	µg/L	**153**	**161**	**193**	**166**	**147**	**165**	**211**	**144**	1000
Beryllium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	4
Cadmium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.488
Calcium	mg/L	**39.1**	**37**	**44.3**	**41.6**	**40.4**	**44.4**	**48.1**	**37.5**	na
Chromium	µg/L	**1.28**	**1.29B**	**1.21B**	**1.21**	**1.18**	**1.23**	**1.33**	**1.33B**	100
Cobalt	µg/L	**4.44**	**5.17**	**4.88**	**2.49**	**2.57**	**4.56**	**1.76**	**3.16**	4.8
Copper	µg/L	**0.45B**	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	11.4
Iron	mg/L	**31.6**	**29.9**	**33.1**	**29.9**	**30.1**	**36.2**	**38.6**	**32.1**	0.3
Lead	µg/L	**0.1**	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	2.52
Magnesium	mg/L	**11.2**	**11.1**	**13.7**	**12.6**	**11.9**	**12.9**	**14.4**	**11.7**	na
Manganese	µg/L	**4050**	**3810**	**4630**	**3920**	**3960**	**4250**	**4850**	**3830**	50
Mercury	µg/L	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.012
Nickel	µg/L	**1.41**	**1.67**	**1.72**	**1.19**	**1.21**	**1.68**	**0.96**	**1.41**	26.3
Potassium	mg/L	**18.4**	**18.5**	**20.8**	**20.7**	**18.5**	**19.3**	**19.9**	**16.9**	na
Selenium	µg/L	0.1U	**0.11**	**0.1**	**0.12**	**0.12**	**0.12**	**0.13**	**0.13**	5
Silver	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	3.22
Sodium	mg/L	**18.2**	**15.3**	**15.7**	**16**	**17.7**	**21.4**	**17.8**	**15.4**	na
Thallium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.0619
Vanadium	µg/L	**2.86**	**3.13**	**3.18**	**2.59**	**2.48**	**2.83**	**2.54**	**2.9**	144
Zinc	µg/L	5U	5U	5U	5U	5U	5U	5U	5U	105

Table G6. Metals results from MW-6, February 2020 – March 2022.

Analyte	Units	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Aluminum	mg/L	**3.35L**	**0.064**	**0.059**	**0.099**	**0.055**	**0.042**	0.025U	**0.035**	0.05
Antimony	µg/L	**0.1L**	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	5.6
Arsenic	µg/L	**1.26L**	**0.95**	**0.57**	**0.58**	**0.77**	**1.27**	**0.7**	**0.67**	5
Barium	µg/L	**91.5L**	**54.1**	**33.1**	**105**	**103**	**99.9**	**51.4**	**117**	1000
Beryllium	µg/L	**0.57L**	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	4
Cadmium	µg/L	**0.46L**	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.488
Calcium	mg/L	**69.4L**	**87.7**	**75.7**	**77**	**76.3**	**90.8**	**70.5**	**80**	na
Chromium	µg/L	**3.13L**	**0.54B**	**0.51B**	**0.57**	**0.56**	**0.6**	**0.43**	**0.97B**	100
Cobalt	µg/L	**3.51L**	**4.17**	**2.29**	**1.66**	**2.33**	**3.04**	**3.24**	**1.73**	4.8
Copper	µg/L	**6.99L**	**1.6**	**2.79**	**4.25**	**2.31**	**1.64**	**2.43**	**2.94**	11.4
Iron	mg/L	**1.58L**	**0.684**	**0.16**	**0.119**	**0.534**	**1.32**	**0.307**	**0.402**	0.3
Lead	µg/L	**1.12L**	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	2.52
Magnesium	mg/L	**13L**	**25.4**	**29.7**	**19.6**	**18.6**	**21.8**	**24.7**	**20.5**	na
Manganese	µg/L	**1410L**	**2000**	**1790**	**1610**	**1970**	**2400**	**1830**	**1750**	50
Mercury	µg/L	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.012
Nickel	µg/L	**7.21L**	**17**	**23.5**	**3.82**	**3.69**	**8.29**	**23.5**	**3.74**	26.3
Potassium	mg/L	**23.1L**	**12.5**	**8.18**	**26.6**	**27.8**	**24.7**	**13.1**	**27.7**	na
Selenium	µg/L	**0.48L**	0.1U	0.1U	**0.13**	**0.13**	**0.12**	0.1U	0.12	5
Silver	µg/L	**0.38L**	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	3.22
Sodium	mg/L	**25.7L**	**25.2**	**24.2**	**23.2**	**27.2**	**32.5**	**22.7**	**22.3**	na
Thallium	µg/L	**0.34L**	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.0619
Vanadium	µg/L	**5.37L**	**0.67**	**0.84**	**1.17**	**1.34**	**1.67**	**0.66**	**1.35**	144
Zinc	µg/L	5U	5U	5U	5U	5U	5U	5U	5U	105

Table G7. Metals results from MW-7, February 2020 – March 2022.

Analyte	Units	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Aluminum	mg/L	**0.087L**	**0.037**	**0.112**	**0.088**	**0.251**	**0.026**	**0.131**	**0.066**	0.05
Antimony	µg/L	0.1U	0.3U	**0.33**	0.3U	0.3U	0.3U	0.3U	0.3U	5.6
Arsenic	µg/L	**2.99L**	**6.53**	**8.16**	**12.8**	**12.4**	**10.2**	**8.42**	**8.68**	5
Barium	µg/L	**259L**	**71.1**	**157**	**132**	**88.8**	**69.3**	**134**	**300**	1000
Beryllium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	4
Cadmium	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.488
Calcium	mg/L	**110L**	**148**	**115**	**150**	**126**	**136**	**104**	**118**	na
Chromium	µg/L	**0.86L**	**0.72B**	**0.9B**	**0.94**	**0.96**	**0.62**	**0.99**	**1.42B**	100
Cobalt	µg/L	**4.81L**	**7.08**	**6.68**	**9.11**	**7.99**	**6.42**	**6.62**	**5.71**	4.8
Copper	µg/L	**4.49L**	**0.84**	**1.37**	**0.75**	**0.81**	**0.57**	**0.93**	**0.54**	11.4
Iron	mg/L	**16L**	**7.43**	**27.5**	**45.2**	**39.3**	**13.4**	**31.5**	**61**	0.3
Lead	µg/L	0.1U	0.1U	0.1U	0.1U	**0.16**	0.1U	**0.17**	0.1U	2.52
Magnesium	mg/L	**33.1L**	**49.3**	**32.9**	**49.2**	**39.9**	**42.4**	**32.6**	**41.2**	na
Manganese	µg/L	**4560L**	**7230**	**4970**	**6080**	**4920**	**6180**	**4180**	**6000**	50
Mercury	µg/L	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.05U	0.012
Nickel	µg/L	**3.83L**	**8.46**	**4.95**	**5.95**	**5.71**	**7.09**	**4.1**	**3.88**	26.3
Potassium	mg/L	**30L**	**12.8**	**24.9**	**25.3**	**20.4**	**14.4**	**26.2**	**29.5**	na
Selenium	µg/L	**0.22L**	**0.19**	**0.23**	**0.25**	**0.2**	**0.17**	**0.23**	**0.29**	5
Silver	µg/L	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	3.22
Sodium	mg/L	**48.9L**	**46.9**	**37.6**	**56.8**	**57.8**	**63.6**	**41.9**	**46.9**	na
Thallium	µg/L	**0.24L**	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.1U	0.0619
Vanadium	µg/L	**1.69L**	**1.44**	**2.94**	**3.21**	**3.1**	**1.97**	**2.99**	**3.71**	144
Zinc	µg/L	5U	5U	5U	5U	5U	5U	**6**	5U	105

Appendix H. Volatile Organic Compounds

Analytical data for volatile organic compounds (VOC) from the February 2020 through April 2021 groundwater sampling events at the May Creek Landfill. Manchester Environmental Laboratory (MEL) performed these analyses for all of the 2020 sampling. Due to instrument failure at MEL, OnSite Environmental, Inc. in Redmond, WA performed the January 2021 analyses. The results from OnSite do not include for analytes (CFC-113, ethyl ether, hexachloroethane, and tetrahydrafuran) provided in the MEL analyses. Two analytes (2-chloroethyl vinyl ether and vinyl acetate) not included in the MEL results are provided in the OnSite results. All results are given in µg/L.

These qualifiers and abbreviations are used in the tables:

U – Analyte was not detected at or above the reported result.
UJ – Analyte was not detected at or above the reported estimate
J – Analyte was positively identified. The reported result is an estimate.
PCUL – Preliminary cleanup level.
na – A PCUL has not been assigned for this analyte.
Bold – Analyte positively identified in sample.

Table H1. VOC results (µg/L) from well MW-1, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
1,1,1,2-Tetrachloroethane	1U	1U	1U	0.2U	1U	1.68
1,1,1-Trichloroethane	1U	1U	1U	0.2U	1U	200
1,1,2,2-Tetrachloroethane	1U	1U	1U	0.2U	1U	0.1
1,1,2-Trichloroethane	1U	1U	1U	0.2U	1U	0.35
1,1-Dichloroethane	1U	1U	1U	0.2U	1U	7.68
1,1-Dichloroethene	1U	1U	1U	0.2U	1U	7
1,1-Dichloropropene	1U	1U	1U	0.2U	1U	na
1,2,3-Trichlorobenzene	1U	1U	1U	0.2U	1U	na
1,2,3-Trichloropropane	1U	1U	1U	0.2U	1U	0.00146
1,2,4-Trichlorobenzene	1U	1U	1U	0.2U	1U	na
1,2,4-Trimethylbenzene	1U	1U	1U	0.2U	1U	80
1,2-Dibromo-3-Chloropropane	1U	2U	1U	1U	1U	0.2
1,2-Dichlorobenzene	1U	1U	1U	0.2U	1U	na
1,2-Dichloroethane	1U	1U	1U	0.2U	1U	4.22
1,2-Dichloropropane	1U	1U	1U	0.2U	1U	0.71
1,3,5-Trimethylbenzene	1U	1U	1U	0.2U	1U	80
1,3-Dichlorobenzene	1U	1U	1U	0.2U	1U	na
1,3-Dichloropropane	1U	1U	1U	0.2U	1U	na
1,4-Dichlorobenzene	1U	1U	1U	0.2U	1U	na
2,2-Dichloropropane	1U	2U	1U	0.2U	1U	na
2-Chloroethyl vinyl ether	--	--	--	1U	--	na
2-Chlorotoluene	1U	1U	1U	0.2U	1U	160
2-Hexanone	1U	1U	1U	2U	1U	40
4-Chlorotoluene	1U	1U	1U	0.2U	1U	na
Acetone	1U	1U	1U	5U	1U	7200
Benzene	1U	1U	1U	0.2U	1U	0.44
Bromobenzene	1U	1U	1U	0.2U	1U	64
Bromochloromethane	1U	1U	1U	0.2U	1U	na
Bromoform	1U	1U	1U	1U	1U	4.6
Bromomethane	1U	1U	1U	0.25U	1U	11.2
Carbon Disulfide	1U	1U	1U	0.2U	1U	399
Carbon Tetrachloride	1U	1U	1U	0.2U	1U	0.2
CFC-11	1U	1U	1U	0.2U	1U	120
CFC-113	1U	1UJ	1U	--	1U	183
CFC-12	1U	1U	1U	0.2U	1U	5.65
Chlorobenzene	1U	1U	1U	0.2U	1U	100
Chlorodibromomethane	1U	1U	1U	0.2U	1U	0.6
Chloroethane	1U	1U	1U	1U	1U	18500
Chloroform	1U	1U	1U	0.2U	1U	1.19
Chloromethane	1U	1U	1U	1U	1U	153
Cis-1,2-Dichloroethene	1U	1U	1U	0.2U	1U	16
Cis-1,3-Dichloropropene	1U	1U	1U	0.2U	1U	0.22

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
Cumene	1U	1U	1U	0.2U	1U	800
Dibromomethane	1U	1U	1U	0.2U	1U	80
Dichlorobromomethane	1U	1U	1U	0.2U	1U	0.73
Ethyl Ether	1U	1U	1U	--	1U	1600
Ethylbenzene	1U	1U	1U	0.2U	1U	29
Ethylene dibromide	1U	1U	1U	0.2U	1U	0.05
Hexachlorobutadiene	1U	2U	1U	1U	2U	na
Hexachloroethane	1U	2UJ	1U	--	1U	na
m, p-Xylene	2U	2U	2U	0.4U	2U	332
Methyl ethyl ketone	1U	1U	1U	5U	1U	4800
Methyl Iodide	1U	1U	1U	2U	1U	na
Methyl isobutyl ketone	1U	1U	1U	2U	1U	640
Methyl t-butyl ether	1U	2U	1U	0.2U	1U	24.3
Methylene Chloride	1U	1U	1U	1U	1U	5
Naphthalene	1U	1U	1U	1U	1U	na
n-Butylbenzene	1U	1U	1U	0.2U	1U	400
n-Propylbenzene	1U	1U	1U	0.2U	1U	800
o-Xylene	1U	1U	1U	0.2U	1U	332
Pentachloroethane	1UJ	1UJ	1UJ	--	1UJ	na
p-Isopropyltoluene	1U	1U	1U	0.2U	1U	na
Sec-Butylbenzene	1U	1U	1U	0.2U	1U	800
Styrene	1U	1U	1U	0.2U	1U	100
Tert-Butylbenzene	1U	1U	1U	0.2U	1U	800
Tetrachloroethene	1UJ	1U	1U	0.2U	1U	2.4
Tetrahydrofuran	1U	2U	2U	--	2U	na
Toluene	1U	1U	1U	1U	1U	57
Trans-1,2-Dichloroethene	1U	1U	1U	0.2U	1U	100
Trans-1,3-Dichloropropene	1U	1U	1U	0.2U	1U	0.22
Trans-1,4-Dichloro-2-butene	1U	2U	1U	0.5U	2U	na
Trichloroethene	1U	1U	1U	0.2U	1U	0.3
Vinyl Acetate	--	--	--	1U	--	7810
Vinyl Chloride	1U	1U	1U	0.2U	1U	0.02

Table H2. VOC results (µg/L) from well MW-2, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
1,1,1,2-Tetrachloroethane	1U	1U	1U	0.2U	1U	1.68
1,1,1-Trichloroethane	1U	1U	1U	0.2U	1U	200
1,1,2,2-Tetrachloroethane	1U	1U	1U	0.2U	1U	0.1
1,1,2-Trichloroethane	1U	1U	1U	0.2U	1U	0.35
1,1-Dichloroethane	1U	1U	1U	0.2U	1U	7.68
1,1-Dichloroethene	1U	1U	1U	0.2U	1U	7
1,1-Dichloropropene	1U	1U	1U	0.2U	1U	na
1,2,3-Trichlorobenzene	1U	1U	1U	0.2U	1U	na
1,2,3-Trichloropropane	1U	1U	1U	0.2U	1U	0.00146
1,2,4-Trichlorobenzene	1U	1U	1U	0.2U	1U	na
1,2,4-Trimethylbenzene	1U	1U	1U	0.2U	1U	80
1,2-Dibromo-3-Chloropropane	1U	2U	1U	1U	1U	0.2
1,2-Dichlorobenzene	1U	1U	1U	0.2U	1U	na
1,2-Dichloroethane	1U	1U	1U	0.2U	1U	4.22
1,2-Dichloropropane	1U	1U	1U	0.2U	1U	0.71
1,3,5-Trimethylbenzene	1U	1U	1U	0.2U	1U	80
1,3-Dichlorobenzene	1U	1U	1U	0.2U	1U	na
1,3-Dichloropropane	1U	1U	1U	0.2U	1U	na
1,4-Dichlorobenzene	1U	1U	1U	0.2U	1U	na
2,2-Dichloropropane	1U	2U	1U	0.2U	1U	na
2-Chloroethyl vinyl ether	--	--	--	1U	--	na
2-Chlorotoluene	1U	1U	1U	0.2U	1U	160
2-Hexanone	1U	1U	1U	2U	1U	40
4-Chlorotoluene	1U	1U	1U	0.2U	1U	na
Acetone	1U	1U	1U	5U	1U	7200
Benzene	1U	1U	1U	0.2U	1U	0.44
Bromobenzene	1U	1U	1U	0.2U	1U	64
Bromochloromethane	1U	1U	1U	0.2U	1U	na
Bromoform	1U	1U	1U	1U	1U	4.6
Bromomethane	1U	1U	1U	0.25U	1U	11.2
Carbon Disulfide	1U	1U	1U	0.2U	1U	399
Carbon Tetrachloride	1U	1U	1U	0.2U	1U	0.2
CFC-11	1U	1U	1U	0.2U	1U	120
CFC-113	1U	1UJ	1U	--	1U	183
CFC-12	1U	1U	1U	0.2U	1U	5.65
Chlorobenzene	1U	1U	1U	0.2U	1U	100
Chlorodibromomethane	1U	1U	1U	0.2U	1U	0.6
Chloroethane	1U	1U	1U	1U	1U	18500
Chloroform	1U	1U	1U	0.2U	1U	1.19
Chloromethane	1U	1U	1U	1U	1U	153
Cis-1,2-Dichloroethene	1U	1U	1U	0.2U	1U	16
Cis-1,3-Dichloropropene	1U	1U	1U	0.2U	1U	0.22

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
Cumene	1U	1U	1U	0.2U	1U	800
Dibromomethane	1U	1U	1U	0.2U	1U	80
Dichlorobromomethane	1U	1U	1U	0.2U	1U	0.73
Ethyl Ether	1U	1U	1U	--	1U	1600
Ethylbenzene	1U	1U	1U	0.2U	1U	29
Ethylene dibromide	1U	1U	1U	0.2U	1U	0.05
Hexachlorobutadiene	1U	2U	1U	1U	2U	na
Hexachloroethane	1U	2UJ	1U	--	1U	na
m, p-Xylene	2U	2U	2U	0.4U	2U	332
Methyl ethyl ketone	1U	1U	1U	5U	1U	4800
Methyl Iodide	1U	1U	1U	2U	1U	na
Methyl isobutyl ketone	1U	1U	1U	2U	1U	640
Methyl t-butyl ether	1U	2U	1U	0.2U	1U	24.3
Methylene Chloride	1U	1U	1U	1U	1U	5
Naphthalene	1U	1U	1U	1U	1U	na
n-Butylbenzene	1U	1U	1U	0.2U	1U	400
n-Propylbenzene	1U	1U	1U	0.2U	1U	800
o-Xylene	1U	1U	1U	0.2U	1U	332
Pentachloroethane	1UJ	1UJ	1UJ	--	1UJ	na
p-Isopropyltoluene	1U	1U	1U	0.2U	1U	na
Sec-Butylbenzene	1U	1U	1U	0.2U	1U	800
Styrene	1U	1U	1U	0.2U	1U	100
Tert-Butylbenzene	1U	1U	1U	0.2U	1U	800
Tetrachloroethene	1UJ	1U	1U	0.2U	1U	2.4
Tetrahydrofuran	1U	2U	2U	--	2U	na
Toluene	1U	1U	1U	1U	1U	57
Trans-1,2-Dichloroethene	1U	1U	1U	0.2U	1U	100
Trans-1,3-Dichloropropene	1U	1U	1U	0.2U	1U	0.22
Trans-1,4-Dichloro-2-butene	1U	2U	1U	0.5U	2U	na
Trichloroethene	1U	1U	1U	0.2U	1U	0.3
Vinyl Acetate	--	--	--	1U	--	7810
Vinyl Chloride	1U	1U	1U	0.2U	1U	0.02

Table H3. VOC results (µg/L) from well MW-3, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
1,1,1,2-Tetrachloroethane	1U	1U	1U	0.2U	1U	1.68
1,1,1-Trichloroethane	1U	1U	1U	0.2U	1U	200
1,1,2,2-Tetrachloroethane	1U	1U	1U	0.2U	1U	0.1
1,1,2-Trichloroethane	1U	1U	1U	0.2U	1U	0.35
1,1-Dichloroethane	1U	1U	1U	0.2U	1U	7.68
1,1-Dichloroethene	1U	1U	1U	0.2U	1U	7
1,1-Dichloropropene	1U	1U	1U	0.2U	1U	na
1,2,3-Trichlorobenzene	1U	1U	1U	0.2U	1U	na
1,2,3-Trichloropropane	1U	1U	1U	0.2U	1U	0.00146
1,2,4-Trichlorobenzene	1U	1U	1U	0.2U	1U	na
1,2,4-Trimethylbenzene	1U	1U	1U	0.2U	1U	80
1,2-Dibromo-3-Chloropropane	1U	2U	1U	1U	1U	0.2
1,2-Dichlorobenzene	1U	1U	1U	0.2U	1U	na
1,2-Dichloroethane	1U	1U	1U	0.2U	1U	4.22
1,2-Dichloropropane	1U	1U	1U	0.2U	1U	0.71
1,3,5-Trimethylbenzene	1U	1U	1U	0.2U	1U	80
1,3-Dichlorobenzene	1U	1U	1U	0.2U	1U	na
1,3-Dichloropropane	1U	1U	1U	0.2U	1U	na
1,4-Dichlorobenzene	1U	1U	1U	0.2U	1U	na
2,2-Dichloropropane	1U	2U	1U	0.2U	1U	na
2-Chloroethyl vinyl ether	--	--	--	1U	--	na
2-Chlorotoluene	1U	1U	1U	0.2U	1U	160
2-Hexanone	1U	1U	1U	2U	1U	40
4-Chlorotoluene	1U	1U	1U	0.2U	1U	na
Acetone	1U	1U	1U	5U	1U	7200
Benzene	1U	1U	1U	0.2U	1U	0.44
Bromobenzene	1U	1U	1U	0.2U	1U	64
Bromochloromethane	1U	1U	1U	0.2U	1U	na
Bromoform	1U	1U	1U	1U	1U	4.6
Bromomethane	1U	1U	1U	0.25U	1U	11.2
Carbon Disulfide	1U	1U	1U	0.2U	1U	399
Carbon Tetrachloride	1U	1U	1U	0.2U	1U	0.2
CFC-11	1U	1U	1U	0.2U	1U	120
CFC-113	1U	1UJ	1U	--	1U	183
CFC-12	1U	1U	1U	0.2U	1U	5.65
Chlorobenzene	1U	1U	1U	0.2U	1U	100
Chlorodibromomethane	1U	1U	1U	0.2U	1U	0.6
Chloroethane	1U	1U	1U	1U	1U	18500
Chloroform	1U	1U	1U	0.2U	1U	1.19
Chloromethane	1U	1U	1U	1U	1U	153
Cis-1,2-Dichloroethene	1U	1U	1U	0.2U	1U	16
Cis-1,3-Dichloropropene	1U	1U	1U	0.2U	1U	0.22

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
Cumene	1U	1U	1U	0.2U	1U	800
Dibromomethane	1U	1U	1U	0.2U	1U	80
Dichlorobromomethane	1U	1U	1U	0.2U	1U	0.73
Ethyl Ether	1U	1U	1U	--	1U	1600
Ethylbenzene	1U	1U	1U	0.2U	1U	29
Ethylene dibromide	1U	1U	1U	0.2U	1U	0.05
Hexachlorobutadiene	1U	2U	1U	1U	2U	na
Hexachloroethane	1U	2UJ	1U	--	1U	na
m, p-Xylene	2U	2U	2U	0.4U	2U	332
Methyl ethyl ketone	1U	1U	1U	5U	1U	4800
Methyl Iodide	1U	1U	1U	2U	1U	na
Methyl isobutyl ketone	1U	1U	1U	2U	1U	640
Methyl t-butyl ether	1U	2U	1U	0.2U	1U	24.3
Methylene Chloride	1U	1U	1U	1U	1U	5
Naphthalene	1U	1U	1U	1U	1U	na
n-Butylbenzene	1U	1U	1U	0.2U	1U	400
n-Propylbenzene	1U	1U	1U	0.2U	1U	800
o-Xylene	1U	1U	1U	0.2U	1U	332
Pentachloroethane	1UJ	1UJ	1UJ	--	1UJ	na
p-Isopropyltoluene	1U	1U	1U	0.2U	1U	na
Sec-Butylbenzene	1U	1U	1U	0.2U	1U	800
Styrene	1U	1U	1U	0.2U	1U	100
Tert-Butylbenzene	1U	1U	1U	0.2U	1U	800
Tetrachloroethene	1UJ	1U	1U	0.2U	1U	2.4
Tetrahydrofuran	1U	2U	2U	--	2U	na
Toluene	1U	1U	1U	1U	1U	57
Trans-1,2-Dichloroethene	1U	1U	1U	0.2U	1U	100
Trans-1,3-Dichloropropene	1U	1U	1U	0.2U	1U	0.22
Trans-1,4-Dichloro-2-butene	1U	2U	1U	0.5U	2U	na
Trichloroethene	1U	1U	1U	0.2U	1U	0.3
Vinyl Acetate	--	--	--	1U	--	7810
Vinyl Chloride	1U	1U	1U	0.2U	1U	0.02

Table H4. VOC results (µg/L) from well MW-4, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
1,1,1,2-Tetrachloroethane	1U	1U	1U	0.2U	1U	1.68
1,1,1-Trichloroethane	1U	1U	1U	0.2U	1U	200
1,1,2,2-Tetrachloroethane	1U	1U	1U	0.2U	1U	0.1
1,1,2-Trichloroethane	1U	1U	1U	0.2U	1U	0.35
1,1-Dichloroethane	1U	1U	1U	0.2U	1U	7.68
1,1-Dichloroethene	1U	1U	1U	0.2U	1U	7
1,1-Dichloropropene	1U	1U	1U	0.2U	1U	na
1,2,3-Trichlorobenzene	1U	1U	1UJ	0.2U	1U	na
1,2,3-Trichloropropane	1U	1U	1UJ	0.2U	1U	0.00146
1,2,4-Trichlorobenzene	1U	1U	1UJ	0.2U	1U	na
1,2,4-Trimethylbenzene	1U	1U	1UJ	0.2U	1U	80
1,2-Dibromo-3-Chloropropane	1U	2U	1UJ	1U	1U	0.2
1,2-Dichlorobenzene	1U	1U	1UJ	0.2U	1U	na
1,2-Dichloroethane	1U	1U	1U	0.2U	1U	4.22
1,2-Dichloropropane	1U	1U	1U	0.2U	1U	0.71
1,3,5-Trimethylbenzene	1U	1U	1UJ	0.2U	1U	80
1,3-Dichlorobenzene	1U	1U	1UJ	0.2U	1U	na
1,3-Dichloropropane	1U	1U	1U	0.2U	1U	na
1,4-Dichlorobenzene	1U	1U	1UJ	0.2U	1U	na
2,2-Dichloropropane	1U	2U	1U	0.2U	1U	na
2-Chloroethyl vinyl ether	--	--	--	1U	--	na
2-Chlorotoluene	1U	1U	1UJ	0.2U	1U	160
2-Hexanone	1U	1U	1U	2U	1U	40
4-Chlorotoluene	1U	1U	1UJ	0.2U	1U	na
Acetone	1U	1U	1U	5U	1U	7200
Benzene	1U	1U	1U	0.2U	1U	0.44
Bromobenzene	1U	1U	1UJ	0.2U	1U	64
Bromochloromethane	1U	1U	1U	0.2U	1U	na
Bromoform	1U	1U	1UJ	1U	1U	4.6
Bromomethane	1U	1U	1U	0.25U	1U	11.2
Carbon Disulfide	1U	1U	1U	0.2U	1U	399
Carbon Tetrachloride	1U	1U	1U	0.2U	1U	0.2
CFC-11	1U	1U	1U	0.2U	1U	120
CFC-113	1U	1UJ	1U	--	1U	183
CFC-12	1U	1U	1U	0.2U	1U	5.65
Chlorobenzene	1U	1U	1U	0.2U	1U	100
Chlorodibromomethane	1U	1U	1U	0.2U	1U	0.6
Chloroethane	1U	1U	1U	1U	1U	18500
Chloroform	1U	1U	1U	0.2U	1U	1.19
Chloromethane	1U	1U	1U	1U	1U	153
Cis-1,2-Dichloroethene	1U	1U	1U	0.2U	1U	16
Cis-1,3-Dichloropropene	1U	1U	1U	0.2U	1U	0.22

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
Cumene	1U	1U	1UJ	0.2U	1U	800
Dibromomethane	1U	1U	1U	0.2U	1U	80
Dichlorobromomethane	1U	1U	1U	0.2U	1U	0.73
Ethyl Ether	1U	1U	1U	--	1U	1600
Ethylbenzene	1U	1U	1U	0.2U	1U	29
Ethylene dibromide	1U	1U	1U	0.2U	1U	0.05
Hexachlorobutadiene	1U	2U	1UJ	1U	2U	na
Hexachloroethane	1U	2UJ	1UJ	--	1U	na
m, p-Xylene	2U	2U	2U	0.4U	2U	332
Methyl ethyl ketone	1U	1U	1U	5U	1U	4800
Methyl Iodide	1U	1U	1U	2U	1U	na
Methyl isobutyl ketone	1U	1U	1U	2U	1U	640
Methyl t-butyl ether	1U	2U	1U	0.2U	1U	24.3
Methylene Chloride	1U	1U	1U	1U	1U	5
Naphthalene	1U	1U	1UJ	1U	1U	na
n-Butylbenzene	1U	1U	1UJ	0.2U	1U	400
n-Propylbenzene	1U	1U	1UJ	0.2U	1U	800
o-Xylene	1U	1U	1U	0.2U	1U	332
Pentachloroethane	1UJ	1UJ	1UJ	--	1UJ	na
p-Isopropyltoluene	1U	1U	1UJ	0.2U	1U	na
Sec-Butylbenzene	1U	1U	1UJ	0.2U	1U	800
Styrene	1U	1U	1U	0.2U	1U	100
Tert-Butylbenzene	1U	1U	1UJ	0.2U	1U	800
Tetrachloroethene	1UJ	1U	1U	0.2U	1U	2.4
Tetrahydrofuran	1U	2U	2U	--	2U	na
Toluene	1U	1U	1U	1U	1U	57
Trans-1,2-Dichloroethene	1U	1U	1U	0.2U	1U	100
Trans-1,3-Dichloropropene	1U	1U	1U	0.2U	1U	0.22
Trans-1,4-Dichloro-2-butene	1U	2U	1UJ	0.5U	2U	na
Trichloroethene	1U	1U	1U	0.2U	1U	0.3
Vinyl Acetate	--	--	--	1U	--	7810
Vinyl Chloride	1U	1U	1U	0.2U	1U	0.02

Table H5. VOC results (µg/L) from well MW-5, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
1,1,1,2-Tetrachloroethane	1U	1U	1U	0.2U	1U	1.68
1,1,1-Trichloroethane	1U	1U	1U	0.2U	1U	200
1,1,2,2-Tetrachloroethane	1U	1U	1U	0.2U	1U	0.1
1,1,2-Trichloroethane	1U	1U	1U	0.2U	1U	0.35
1,1-Dichloroethane	1U	1U	1U	0.2U	1U	7.68
1,1-Dichloroethene	1U	1U	1U	0.2U	1U	7
1,1-Dichloropropene	1U	1U	1U	0.2U	1U	na
1,2,3-Trichlorobenzene	1U	1U	1UJ	0.2U	1U	na
1,2,3-Trichloropropane	1U	1U	1UJ	0.2U	1U	0.00146
1,2,4-Trichlorobenzene	1U	1U	1UJ	0.2U	1U	na
1,2,4-Trimethylbenzene	1U	1U	1UJ	0.2U	1U	80
1,2-Dibromo-3-Chloropropane	1U	2U	1UJ	1U	1U	0.2
1,2-Dichlorobenzene	1U	1U	1UJ	0.2U	1U	na
1,2-Dichloroethane	1U	1U	1U	0.2U	1U	4.22
1,2-Dichloropropane	1U	1U	1U	0.2U	1U	0.71
1,3,5-Trimethylbenzene	1U	1U	1UJ	0.2U	1U	80
1,3-Dichlorobenzene	1U	1U	1UJ	0.2U	1U	na
1,3-Dichloropropane	1U	1U	1U	0.2U	1U	na
1,4-Dichlorobenzene	1U	1U	1UJ	0.2U	1U	na
2,2-Dichloropropane	1U	2U	1U	0.2U	1U	na
2-Chloroethyl vinyl ether	--	--	--	1U	--	na
2-Chlorotoluene	1U	1U	1UJ	0.2U	1U	160
2-Hexanone	1U	1U	1U	2U	1U	40
4-Chlorotoluene	1U	1U	1UJ	0.2U	1U	na
Acetone	1U	1U	1U	5U	1U	7200
Benzene	1U	1U	1U	0.2U	1U	0.44
Bromobenzene	1U	1U	1UJ	0.2U	1U	64
Bromochloromethane	1U	1U	1U	0.2U	1U	na
Bromoform	1U	1U	1UJ	1U	1U	4.6
Bromomethane	1U	1U	1U	0.25U	1U	11.2
Carbon Disulfide	1U	1U	1U	0.2U	**1.06**	399
Carbon Tetrachloride	1U	1U	1U	0.2U	1U	0.2
CFC-11	1U	1U	1U	0.2U	1U	120
CFC-113	1U	1UJ	1U	--	1U	183
CFC-12	1U	1U	1U	0.2U	1U	5.65
Chlorobenzene	1U	1U	1U	0.2U	1U	100
Chlorodibromomethane	1U	1U	1U	0.2U	1U	0.6
Chloroethane	1U	1U	1U	1U	1U	18500
Chloroform	1U	1U	1U	0.2U	1U	1.19
Chloromethane	1U	1U	1U	1U	1U	153
Cis-1,2-Dichloroethene	1U	1U	1U	0.2U	1U	16
Cis-1,3-Dichloropropene	1U	1U	1U	0.2U	1U	0.22

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
Cumene	1U	1U	1UJ	0.2U	1U	800
Dibromomethane	1U	1U	1U	0.2U	1U	80
Dichlorobromomethane	1U	1U	1U	0.2U	1U	0.73
Ethyl Ether	1U	1U	1U	--	1U	1600
Ethylbenzene	1U	1U	1U	0.2U	1U	29
Ethylene dibromide	1U	1U	1U	0.2U	1U	0.05
Hexachlorobutadiene	1U	2U	1UJ	1U	2U	na
Hexachloroethane	1U	2UJ	1UJ	--	1U	na
m, p-Xylene	2U	2U	2U	0.4U	2U	332
Methyl ethyl ketone	1U	1U	1U	5U	1U	4800
Methyl Iodide	1U	1U	1U	2U	1U	na
Methyl isobutyl ketone	1U	1U	1U	2U	1U	640
Methyl t-butyl ether	1U	2U	1U	0.2U	1U	24.3
Methylene Chloride	1U	1U	1U	1U	1U	5
Naphthalene	1U	1U	1UJ	1U	1U	na
n-Butylbenzene	1U	1U	1UJ	0.2U	1U	400
n-Propylbenzene	1U	1U	1UJ	0.2U	1U	800
o-Xylene	1U	1U	1U	0.2U	1U	332
Pentachloroethane	1UJ	1UJ	1UJ	--	1UJ	na
p-Isopropyltoluene	1U	1U	1UJ	0.2U	1U	na
Sec-Butylbenzene	1U	1U	1UJ	0.2U	1U	800
Styrene	1U	1U	1U	0.2U	1U	100
Tert-Butylbenzene	1U	1U	1UJ	0.2U	1U	800
Tetrachloroethene	1UJ	1U	1U	0.2U	1U	2.4
Tetrahydrofuran	1U	2U	2U	--	2U	na
Toluene	1U	1U	1U	1U	1U	57
Trans-1,2-Dichloroethene	1U	1U	1U	0.2U	1U	100
Trans-1,3-Dichloropropene	1U	1U	1U	0.2U	1U	0.22
Trans-1,4-Dichloro-2-butene	1U	2U	1UJ	0.5U	2U	na
Trichloroethene	1U	1U	1U	0.2U	1U	0.3
Vinyl Acetate	--	--	--	1U	--	7810
Vinyl Chloride	1U	1U	1U	0.2U	1U	0.02

Table H6. VOC results (µg/L) from well MW-6, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
1,1,1,2-Tetrachloroethane	1U	1U	1U	0.2U	1U	1.68
1,1,1-Trichloroethane	1U	1U	1U	0.2U	1U	200
1,1,2,2-Tetrachloroethane	1U	1U	1U	0.2U	1U	0.1
1,1,2-Trichloroethane	1U	1U	1U	0.2U	1U	0.35
1,1-Dichloroethane	1U	1U	1U	0.2U	1U	7.68
1,1-Dichloroethene	1U	1U	1U	0.2U	1U	7
1,1-Dichloropropene	1U	1U	1U	0.2U	1U	na
1,2,3-Trichlorobenzene	1U	1U	1UJ	0.2U	1U	na
1,2,3-Trichloropropane	1U	1U	1UJ	0.2U	1U	0.00146
1,2,4-Trichlorobenzene	1U	1U	1UJ	0.2U	1U	na
1,2,4-Trimethylbenzene	1U	1U	1UJ	0.2U	1U	80
1,2-Dibromo-3-Chloropropane	1U	2U	1UJ	1U	1U	0.2
1,2-Dichlorobenzene	1U	1U	1UJ	0.2U	1U	na
1,2-Dichloroethane	1U	1U	1U	0.2U	1U	4.22
1,2-Dichloropropane	1U	1U	1U	0.2U	1U	0.71
1,3,5-Trimethylbenzene	1U	1U	1UJ	0.2U	1U	80
1,3-Dichlorobenzene	1U	1U	1UJ	0.2U	1U	na
1,3-Dichloropropane	1U	1U	1U	0.2U	1U	na
1,4-Dichlorobenzene	1U	1U	1UJ	0.2U	1U	na
2,2-Dichloropropane	1U	2U	1U	0.2U	1U	na
2-Chloroethyl vinyl ether	--	--	--	1U	--	na
2-Chlorotoluene	1U	1U	1UJ	0.2U	1U	160
2-Hexanone	1U	1U	1U	2U	1U	40
4-Chlorotoluene	1U	1U	1UJ	0.2U	1U	na
Acetone	1U	1U	1U	5U	1U	7200
Benzene	1U	1U	1U	0.2U	1U	0.44
Bromobenzene	1U	1U	1UJ	0.2U	1U	64
Bromochloromethane	1U	1U	1U	0.2U	1U	na
Bromoform	1U	1U	1UJ	1U	1U	4.6
Bromomethane	1U	1U	1U	0.25U	1U	11.2
Carbon Disulfide	1U	1U	1U	0.2U	1U	399
Carbon Tetrachloride	1U	1U	1U	0.2U	1U	0.2
CFC-11	1U	1U	1U	0.2U	1U	120
CFC-113	1U	1UJ	1U	--	1U	183
CFC-12	1U	1U	1U	0.2U	1U	5.65
Chlorobenzene	1U	1U	1U	0.2U	1U	100
Chlorodibromomethane	1U	1U	1U	0.2U	1U	0.6
Chloroethane	1U	1U	1U	1U	1U	18500
Chloroform	1U	1U	1U	0.2U	1U	1.19
Chloromethane	1U	1U	1U	1U	1U	153
Cis-1,2-Dichloroethene	1U	1U	1U	0.2U	1U	16
Cis-1,3-Dichloropropene	1U	1U	1U	0.2U	1U	0.22

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
Cumene	1U	1U	1UJ	0.2U	1U	800
Dibromomethane	1U	1U	1U	0.2U	1U	80
Dichlorobromomethane	1U	1U	1U	0.2U	1U	0.73
Ethyl Ether	1U	1U	1U	--	1U	1600
Ethylbenzene	1U	1U	1U	0.2U	1U	29
Ethylene dibromide	1U	1U	1U	0.2U	1U	0.05
Hexachlorobutadiene	1U	2U	1UJ	1U	2U	na
Hexachloroethane	1U	2UJ	1UJ	--	1U	na
m, p-Xylene	2U	2U	2U	0.4U	2U	332
Methyl ethyl ketone	1U	1U	1U	5U	1U	4800
Methyl Iodide	1U	1U	1U	2U	1U	na
Methyl isobutyl ketone	1U	1U	1U	2U	1U	640
Methyl t-butyl ether	1U	2U	1U	0.2U	1U	24.3
Methylene Chloride	1U	1U	1U	1U	1U	5
Naphthalene	1U	1U	1UJ	1U	1U	na
n-Butylbenzene	1U	1U	1UJ	0.2U	1U	400
n-Propylbenzene	1U	1U	1UJ	0.2U	1U	800
o-Xylene	1U	1U	1U	0.2U	1U	332
Pentachloroethane	1UJ	1UJ	1UJ	--	1UJ	na
p-Isopropyltoluene	1U	1U	1UJ	0.2U	1U	na
Sec-Butylbenzene	1U	1U	1UJ	0.2U	1U	800
Styrene	1U	1U	1U	0.2U	1U	100
Tert-Butylbenzene	1U	1U	1UJ	0.2U	1U	800
Tetrachloroethene	1UJ	1U	1U	0.2U	1U	2.4
Tetrahydrofuran	1U	2U	2U	--	2U	na
Toluene	1U	1U	1U	1U	1U	57
Trans-1,2-Dichloroethene	1U	1U	1U	0.2U	1U	100
Trans-1,3-Dichloropropene	1U	1U	1U	0.2U	1U	0.22
Trans-1,4-Dichloro-2-butene	1U	2U	1UJ	0.5U	2U	na
Trichloroethene	1U	1U	1U	0.2U	1U	0.3
Vinyl Acetate	--	--	--	1U	--	7810
Vinyl Chloride	1U	1U	1U	0.2U	1U	0.02

Table H7. VOC results (µg/L) from well MW-7, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
1,1,1,2-Tetrachloroethane	1U	1U	1U	0.2U	1U	1.68
1,1,1-Trichloroethane	1U	1U	1U	0.2U	1U	200
1,1,2,2-Tetrachloroethane	1U	1U	1U	0.2U	1U	0.1
1,1,2-Trichloroethane	1U	1U	1U	0.2U	1U	0.35
1,1-Dichloroethane	1U	1U	1U	0.2U	1U	7.68
1,1-Dichloroethene	1U	1U	1U	0.2U	1U	7
1,1-Dichloropropene	1U	1U	1U	0.2U	1U	na
1,2,3-Trichlorobenzene	1UJ	1U	1U	0.2U	1U	na
1,2,3-Trichloropropane	1U	1U	1U	0.2U	1U	0.00146
1,2,4-Trichlorobenzene	1UJ	1U	1U	0.2U	1U	na
1,2,4-Trimethylbenzene	1U	1U	1U	0.2U	1U	80
1,2-Dibromo-3-Chloropropane	1U	2U	1U	1U	1U	0.2
1,2-Dichlorobenzene	1U	1U	1U	0.2U	1U	na
1,2-Dichloroethane	1U	1U	1U	0.2U	1U	4.22
1,2-Dichloropropane	1U	1U	1U	0.2U	1U	0.71
1,3,5-Trimethylbenzene	1U	1U	1U	0.2U	1U	80
1,3-Dichlorobenzene	1U	1U	1U	0.2U	1U	na
1,3-Dichloropropane	1U	1U	1U	0.2U	1U	na
1,4-Dichlorobenzene	1U	1U	1U	0.2U	1U	na
2,2-Dichloropropane	1U	2U	1U	0.2U	1U	na
2-Chloroethyl vinyl ether	--	--	--	1U	--	na
2-Chlorotoluene	1U	1U	1U	0.2U	1U	160
2-Hexanone	1U	1U	1U	2U	1U	40
4-Chlorotoluene	1U	1U	1U	0.2U	1U	na
Acetone	**5.71**	1U	1U	5U	1U	7200
Benzene	1U	1U	1U	0.2U	1U	0.44
Bromobenzene	1U	1U	1U	0.2U	1U	64
Bromochloromethane	1U	1U	1U	0.2U	1U	na
Bromoform	1U	1U	1U	1U	1U	4.6
Bromomethane	1U	1U	1U	0.25U	1U	11.2
Carbon Disulfide	1U	1U	1U	0.2U	1U	399
Carbon Tetrachloride	1U	1U	1U	0.2U	1U	0.2
CFC-11	1U	1U	1U	0.2U	1U	120
CFC-113	1U	1UJ	1U	--	1U	183
CFC-12	1U	1U	1U	0.2U	1U	5.65
Chlorobenzene	1U	1U	1U	0.2U	1U	100
Chlorodibromomethane	1U	1U	1U	0.2U	1U	0.6
Chloroethane	1U	1U	1U	1U	1U	18500
Chloroform	1U	1U	1U	0.2U	1U	1.19
Chloromethane	1U	1U	1U	1U	1U	153
Cis-1,2-Dichloroethene	1U	1U	1U	0.2U	1U	16
Cis-1,3-Dichloropropene	1U	1U	1U	0.2U	1U	0.22

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
Cumene	1U	1U	1U	0.2U	1U	800
Dibromomethane	1U	1U	1U	0.2U	1U	80
Dichlorobromomethane	1U	1U	1U	0.2U	1U	0.73
Ethyl Ether	1U	1U	1U	--	1U	1600
Ethylbenzene	1U	1U	1U	0.2U	1U	29
Ethylene dibromide	1U	1U	1U	0.2U	1U	0.05
Hexachlorobutadiene	1U	2U	1U	1U	2U	na
Hexachloroethane	1U	2UJ	1U	--	1U	na
m, p-Xylene	**1.15J**	2U	2U	0.4U	2U	332
Methyl ethyl ketone	1U	1U	1U	5U	1U	4800
Methyl Iodide	1UJ	1U	1U	2U	1U	na
Methyl isobutyl ketone	1U	1U	1U	2U	1U	640
Methyl t-butyl ether	1U	2U	1U	0.2U	1U	24.3
Methylene Chloride	1U	1U	1U	1U	1U	5
Naphthalene	1UJ	1U	1U	1U	1U	na
n-Butylbenzene	1U	1U	1U	0.2U	1U	400
n-Propylbenzene	1U	1U	1U	0.2U	1U	800
o-Xylene	1U	1U	1U	0.2U	1U	332
Pentachloroethane	1UJ	1UJ	1UJ	--	1UJ	na
p-Isopropyltoluene	1U	1U	1U	0.2U	1U	na
Sec-Butylbenzene	1U	1U	1U	0.2U	1U	800
Styrene	1U	1U	1U	0.2U	1U	100
Tert-Butylbenzene	1U	1U	1U	0.2U	1U	800
Tetrachloroethene	1UJ	1U	1U	0.2U	1U	2.4
Tetrahydrofuran	1U	2U	2U	--	2U	na
Toluene	1U	1U	1U	1U	1U	57
Trans-1,2-Dichloroethene	1U	1U	1U	0.2U	1U	100
Trans-1,3-Dichloropropene	1U	1U	1U	0.2U	1U	0.22
Trans-1,4-Dichloro-2-butene	1U	2U	1U	0.5U	2U	na
Trichloroethene	1U	1U	1U	0.2U	1U	0.3
Vinyl Acetate	--	--	--	1U	--	7810
Vinyl Chloride	1U	1U	1U	0.2U	1U	0.02

Appendix I. Semivolatile Organic Compounds

Analytical data for semi-volatile organic compounds (SVOC) from the February 2020 through January 2021 groundwater sampling at the May Creek Landfill. Manchester Environmental Laboratory performed all analyses. All results are given in µg/L.

These qualifiers and abbreviations are used in the tables:

U – Analyte was not detected at or above the reported result.

UJ – Analyte was not detected at or above the reported estimate.

J – Analyte was positively identified. The reported result is an estimate.

REJ - Sample results rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

PCUL – Preliminary cleanup level.

na – A PCUL has not been assigned for this analyte.

Bold – Analyte positively identified in sample.

Bold and underlined: Analyte positively identified in sample at a concentration above PCUL.

Table I1. SVOC results (µg/L) from well MW-1, February 2020 – March 2022.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
1,2,4-Trichlorobenzene	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	0.036
1,2-Dichlorobenzene	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	600
1,2-Diphenylhydrazine	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	0.01
1,3-Dichlorobenzene	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	2
1,4-Dichlorobenzene	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	4.93
1-Methylnaphthalene	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	na
2,3,4,6-Tetrachlorophenol	0.32U	0.315U	0.308U	0.325U	0.317U	0.317U	0.303U	0.303U	480
2,3,5,6-Tetrachlorophenol	0.32U	0.315U	0.308U	0.325U	0.317U	0.317U	0.303U	0.303U	na
2,4,5-Trichlorophenol	0.32U	0.315U	0.308U	0.325U	0.317U	0.317U	0.303U	0.303U	300
2,4,6-Trichlorophenol	0.32U	0.315U	0.308U	0.325U	0.317U	0.317U	0.303U	0.303U	0.25
2,4-Dichlorophenol	0.8U	0.787U	0.769U	0.813U	0.794U	0.794U	0.758U	0.758U	10
2,4-Dimethylphenol	0.8U	0.787U	0.769U	0.813U	0.794U	0.794U	0.758U	0.758U	85
2,4-Dinitrophenol	0.8U	0.787U	0.769U	0.813U	0.794U	0.794U	0.758U	0.758U	10
2,4-Dinitrotoluene	0.32U	0.315U	0.308U	0.325U	0.317U	0.317U	0.303U	0.303U	0.039
2,6-Dinitrotoluene	0.32U	0.315U	0.308U	0.325U	0.317U	0.317U	0.303U	0.303U	0.0583
2-Chlorophenol	0.32U	0.315U	0.308U	0.325U	0.317U	0.317U	0.303U	0.303U	15
2-Methylnaphthalene	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	na
2-Nitroaniline	1.6U	1.57U	1.54U	1.63U	1.59U	1.59U	1.52U	1.52U	160
2-Nitrophenol	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	na
3,3'-Dichlorobenzidine	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	0.0031
4,6-Dinitro-2-Methylphenol	1.6U	1.57U	1.54U	1.63U	1.59U	1.59U	1.52U	1.52U	2
4-Chloro-3-Methylphenol	0.8U	0.787U	0.769U	0.813U	0.794U	0.794U	0.758U	0.758U	36
4-Chloroaniline	REJ	REJ	REJ	REJ	3.17UJ	REJ	REJ	REJ	0.219
4-Chlorophenyl-Phenylether	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	na
4-Nitroaniline	0.32U	0.315U	0.308U	0.325U	0.317U	0.317U	0.303U	0.303U	64
4-Nitrophenol	0.8U	0.787U	0.769U	0.813U	0.794U	0.794U	0.758U	0.758U	na
4-Nonylphenol	0.32U	0.315U	0.308U	0.325U	0.317U	0.317U	0.303U	0.303U	7.68
Acenaphthene	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	na
Acenaphthylene	0.08U	0.0787U	0.0769U	0.0813U	0.0794UJ	0.0794U	0.0758U	0.0758U	na

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Anthracene	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	na
Benz[a]anthracene	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	na
Benzo(a)pyrene	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	na
Benzo(b)fluoranthene	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	na
Benzo(ghi)perylene	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	na
Benzo(k)fluoranthene	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	na
Benzoic Acid	1.6U	1.57U	1.54U	1.63U	1.59U	1.59U	1.52U	1.52U	3690
Benzyl Alcohol	0.8U	0.787U	0.769U	0.813U	0.794U	0.794U	0.758U	0.758U	800
Bis(2-chloro-1-methylethyl) ether	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	200
Bis(2-Chloroethoxy)Methane	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	na
Bis(2-Chloroethyl)Ether	0.16U	0.157U	0.154U	0.163U	0.159U	0.159UJ	0.152U	0.152U	0.02
Bisphenol A	0.32U	0.315U	0.308U	0.325U	0.317U	0.317U	0.303U	0.303U	na
Butyl benzyl phthalate	0.32U	0.315U	0.308U	0.325U	0.317U	0.317U	0.303U	0.303U	0.013
Caffeine	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	na
Carbazole	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	52.2
Cholesterol	1.6U	1.57U	1.54U	1.63U	1.59U	1.59U	1.52U	1.52U	na
Chrysene	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	na
Coprosterol	1.6U	1.57U	1.54U	1.63U	1.59U	1.59U	1.52U	1.52U	na
Di(2-ethylhexyl) phthalate	1.6U	1.57U	1.54U	1.63U	1.59U	1.59U	1.52U	1.52U	0.045
Dibenzo(a,h)anthracene	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	na
Dibenzofuran	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	na
Dibutyl phthalate	0.32U	0.315U	0.308U	0.325U	0.317U	0.317U	0.303U	0.303U	8
Diethyl phthalate	**0.0988J**	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	200
Dimethyl phthalate	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	600
Di-n-octyl phthalate	0.8U	0.787U	0.769U	0.813U	0.794U	0.794U	0.758U	0.758U	0.0000937
Fluoranthene	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	na
Fluorene	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	na
Hexachlorobenzene	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	0.000005
Hexachlorobutadiene	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	0.01
Hexachlorocyclopentadiene	0.8U	0.787U	0.769U	0.813UJ	0.794U	0.794U	0.758U	0.758UJ	1
Hexachloroethane	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	0.02

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Indeno(1,2,3-cd)pyrene	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	na
Isophorone	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	27
m-Nitroaniline	0.32U	0.315U	0.308U	0.325U	0.317U	0.317U	0.303U	0.303U	na
Naphthalene	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	na
Nitrobenzene	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	10
N-Nitrosodi-n-propylamine	0.08U	0.0787U	0.0769U	0.0813U	0.0794U	0.0794U	0.0758U	0.0758U	0.0044
N-Nitrosodiphenylamine	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	0.62
o-Cresol	0.8U	0.787U	0.769U	0.813U	0.794U	0.794U	0.758U	0.758U	400
PBDE-003	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	na
PCN-002	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	100
p-Cresol	0.8U	0.787U	0.769U	0.813U	0.794U	0.794U	0.758U	0.758U	800
Pentachlorophenol	0.16U	0.157U	0.154U	0.325U	0.317U	0.0794U	0.0758U	0.0758U	0.002
Phenanthrene	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	na
Phenol	0.32U	0.315U	0.308U	0.325U	0.317U	0.317U	0.303U	0.303U	279
Pyrene	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	na
Retene	0.16U	0.157U	0.154U	0.163U	0.159U	0.159U	0.152U	0.152U	na
Triclosan	0.8U	0.787U	0.769U	0.813U	0.794U	0.794U	0.758U	0.758U	na
Triethyl citrate	0.32U	0.315U	0.308U	0.325U	0.317U	0.317U	0.303U	0.303U	na
Tris(2-chloroethyl) phosphate	0.08U	0.157U	0.154U	0.163U	0.0794U	0.0794U	0.0758U	0.0758U	na

Table I2. SVOC results (µg/L) from well MW-2, February 2020 – March 2022.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
1,2,4-Trichlorobenzene	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	0.036
1,2-Dichlorobenzene	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	600
1,2-Diphenylhydrazine	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	0.01
1,3-Dichlorobenzene	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	2
1,4-Dichlorobenzene	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	4.93
1-Methylnaphthalene	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	na
2,3,4,6-Tetrachlorophenol	0.315U	0.317U	0.308U	0.325U	0.312U	0.31U	0.308U	0.31U	480
2,3,5,6-Tetrachlorophenol	0.315U	0.317U	0.308U	0.325U	0.312U	0.31U	0.308U	0.31U	na
2,4,5-Trichlorophenol	0.315U	0.317U	0.308U	0.325U	0.312U	0.31U	0.308U	0.31U	300
2,4,6-Trichlorophenol	0.315U	0.317U	0.308U	0.325U	0.312U	0.31U	0.308U	0.31U	0.25
2,4-Dichlorophenol	**0.379J**	0.794U	0.769U	0.813U	0.781U	0.775U	0.769U	0.775U	10
2,4-Dimethylphenol	0.787U	0.794U	0.769U	0.813U	0.781U	0.775U	0.769U	0.775U	85
2,4-Dinitrophenol	0.787U	0.794U	0.769U	0.813U	0.781U	0.775U	0.769U	0.775U	10
2,4-Dinitrotoluene	0.315U	0.317U	0.308U	0.325U	0.312U	0.31U	0.308U	0.31U	0.039
2,6-Dinitrotoluene	0.315U	0.317U	0.308U	0.325U	0.312U	0.31U	0.308U	0.31U	0.0583
2-Chlorophenol	0.315U	0.317U	0.308U	0.325U	0.312U	0.31U	0.308U	0.31U	15
2-Methylnaphthalene	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	na
2-Nitroaniline	1.57U	1.59U	1.54U	1.63U	1.56U	1.55U	1.54U	1.55U	160
2-Nitrophenol	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	na
3,3'-Dichlorobenzidine	REJ	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	0.0031
4,6-Dinitro-2-Methylphenol	1.57U	1.59U	1.54U	1.63U	1.56U	1.55U	1.54U	1.55U	2
4-Chloro-3-Methylphenol	0.787U	0.794U	0.769U	0.813U	0.781U	0.775U	0.769U	0.775U	36
4-chloroaniline	REJ	REJ	REJ	REJ	REJ	REJ	REJ	REJ	0.219
4-Chlorophenyl-Phenylether	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	na
4-Nitroaniline	0.315U	0.317U	0.308U	0.325U	0.312U	0.31U	0.308U	0.31U	64
4-Nitrophenol	0.787U	0.794U	0.769U	0.813U	0.781U	0.775U	0.769U	0.775U	na
4-Nonylphenol	0.315U	0.317U	0.308U	0.325U	0.312U	0.31U	0.308U	0.31U	7.68
Acenaphthene	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	na
Acenaphthylene	0.0787U	0.0794U	0.0769U	0.0813U	0.0781UJ	0.0775U	0.0769U	0.0775U	na
Anthracene	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	na

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Benz[a]anthracene	0.157UJ	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	na
Benzo(a)pyrene	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	na
Benzo(b)fluoranthene	0.0787UJ	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	na
Benzo(ghi)perylene	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	na
Benzo(k)fluoranthene	0.0787UJ	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	na
Benzoic Acid	1.57U	1.59U	1.54U	1.63U	1.56U	1.55U	1.54U	1.55U	3690
Benzyl Alcohol	0.787U	0.794U	0.769U	0.813U	0.781U	0.775U	0.769U	0.775U	800
Bis(2-chloro-1-methylethyl) ether	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	200
Bis(2-Chloroethoxy)Methane	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	na
Bis(2-Chloroethyl)Ether	0.157U	0.159U	0.154U	0.163U	0.156U	0.155UJ	0.154U	0.155U	0.02
Bisphenol A	0.315U	0.317U	0.308U	0.325U	0.312U	0.31U	0.308U	0.31U	na
Butyl benzyl phthalate	0.315U	0.317U	0.308U	0.325U	0.312U	0.31U	0.308U	0.31U	0.013
Caffeine	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	na
Carbazole	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	52.2
Cholesterol	1.57U	1.59U	1.54U	1.63U	1.56U	**1.5J**	1.54U	2.25NJ	na
Chrysene	0.157UJ	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	na
Coprosterol	1.57U	1.59U	1.54U	1.63U	1.56U	1.55U	1.54U	1.55U	na
Di(2-ethylhexyl) phthalate	1.57U	1.59U	1.54U	1.63U	1.56U	1.55U	1.54U	1.55U	0.045
Dibenzo(a,h)anthracene	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	na
Dibenzofuran	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	na
Dibutyl phthalate	0.315U	0.317U	0.308U	0.384U	0.312U	0.31U	0.308U	0.31U	8
Diethyl phthalate	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	200
Dimethyl phthalate	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	600
Di-n-octyl phthalate	0.787U	0.794U	0.769U	0.813U	0.781U	0.775U	0.769U	0.775U	0.0000937
Fluoranthene	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	na
Fluorene	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	na
Hexachlorobenzene	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	0.000005
Hexachlorobutadiene	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	0.01
Hexachlorocyclopentadiene	0.787U	0.794U	0.769U	0.813UJ	0.781U	0.775U	0.769U	0.775UJ	1
Hexachloroethane	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	0.02
Indeno(1,2,3-cd)pyrene	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	na

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Isophorone	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	27
m-Nitroaniline	0.315U	0.317U	0.308U	0.325U	0.312U	0.31U	0.308U	0.31U	na
Naphthalene	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	na
Nitrobenzene	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	10
N-Nitrosodi-n-propylamine	0.0787U	0.0794U	0.0769U	0.0813U	0.0781U	0.0775U	0.0769U	0.0775U	0.0044
N-Nitrosodiphenylamine	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	0.62
o-Cresol	0.787U	0.794U	0.769U	0.813U	0.781U	0.775U	0.769U	0.775U	400
PBDE-003	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	na
PCN-002	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	100
p-Cresol	0.787U	0.794U	0.769U	0.813U	0.781U	0.775U	0.769U	0.775U	800
Pentachlorophenol	0.157U	0.159U	0.154U	0.325U	0.312U	0.0775U	0.0769U	0.0775U	0.002
Phenanthrene	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	na
Phenol	0.315U	0.317U	0.308U	0.325U	0.312U	0.31U	0.308U	0.31U	279
Pyrene	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	na
Retene	0.157U	0.159U	0.154U	0.163U	0.156U	0.155U	0.154U	0.155U	na
Triclosan	0.787U	0.794U	0.769U	0.813U	0.781U	0.775U	0.769U	0.775U	na
Triethyl citrate	0.315U	0.317U	0.308U	0.325U	0.312U	0.31U	0.308U	0.31U	na
Tris(2-chloroethyl) phosphate	0.0787U	0.159U	0.154U	0.163U	0.0781U	0.0775U	0.0769U	**0.0493J**	na

Table I3. SVOC results (µg/L) from well MW-3, February 2020 – March 2022.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
1,2,4-Trichlorobenzene	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	0.036
1,2-Dichlorobenzene	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	600
1,2-Diphenylhydrazine	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	0.01
1,3-Dichlorobenzene	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	2
1,4-Dichlorobenzene	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	4.93
1-Methylnaphthalene	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	na
2,3,4,6-Tetrachlorophenol	0.328U	0.312U	0.308U	0.32U	0.308U	0.312U	0.31U	0.308U	480
2,3,5,6-Tetrachlorophenol	0.328U	0.312U	0.308U	0.32U	0.308U	0.312U	0.31U	0.308U	na
2,4,5-Trichlorophenol	0.328U	0.312U	0.308U	0.32U	0.308U	0.312U	0.31U	0.308U	300
2,4,6-Trichlorophenol	0.328U	0.312U	0.308U	0.32U	0.308U	0.312U	0.31U	0.308U	0.25
2,4-Dichlorophenol	0.82U	0.781U	0.769U	0.8U	0.769U	0.781U	0.775U	0.769U	10
2,4-Dimethylphenol	0.82U	0.781U	0.769U	0.8U	0.769U	0.781U	0.775U	0.769U	85
2,4-Dinitrophenol	0.82U	0.781U	0.769U	0.8U	0.769U	0.781U	0.775U	0.769U	10
2,4-Dinitrotoluene	0.328U	0.312U	0.308U	0.32U	0.308U	0.312U	0.31U	0.308U	0.039
2,6-Dinitrotoluene	0.328U	0.312U	0.308U	0.32U	0.308U	0.312U	0.31U	0.308U	0.0583
2-Chlorophenol	0.328U	0.312U	0.308U	0.32U	0.308U	0.312U	0.31U	0.308U	15
2-Methylnaphthalene	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	na
2-Nitroaniline	1.64U	1.56U	1.54U	1.6U	1.54U	1.56U	1.55U	1.54U	160
2-Nitrophenol	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	na
3,3'-Dichlorobenzidine	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	0.0031
4,6-Dinitro-2-Methylphenol	1.64U	1.56U	1.54U	1.6U	1.54U	1.56U	1.55U	1.54U	2
4-Chloro-3-Methylphenol	0.82U	0.781U	0.769U	0.8U	0.769U	0.781U	0.775U	0.769U	36
4-Chloroaniline	REJ	REJ	REJ	REJ	REJ	REJ	REJ	REJ	0.219
4-Chlorophenyl-Phenylether	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	na
4-Nitroaniline	0.328U	0.312U	0.308U	0.32U	0.308U	0.312U	0.31U	0.308U	64
4-Nitrophenol	0.82U	0.781U	0.769U	0.8U	0.769U	0.781U	0.775U	0.769U	na
4-Nonylphenol	0.328U	0.312U	0.308U	0.32U	0.308U	0.312U	0.31U	0.308U	7.68
Acenaphthene	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	na
Acenaphthylene	0.082U	0.0781U	0.0769U	0.08U	0.0769UJ	0.0781U	0.0775U	0.0769U	na
Anthracene	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	na

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Benz[a]anthracene	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	na
Benzo(a)pyrene	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	na
Benzo(b)fluoranthene	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	na
Benzo(ghi)perylene	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	na
Benzo(k)fluoranthene	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	na
Benzoic Acid	1.64U	1.56U	1.54U	1.6U	1.54U	1.56U	1.55U	1.54U	3690
Benzyl Alcohol	0.82U	0.781U	0.769U	0.8U	0.769U	0.781U	0.775U	0.769U	800
Bis(2-chloro-1-methylethyl) ether	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	200
Bis(2-Chloroethoxy)Methane	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	na
Bis(2-Chloroethyl)Ether	0.164U	0.156U	0.154U	0.16U	0.154U	0.156UJ	0.155U	0.154U	0.02
Bisphenol A	0.328U	0.312U	0.308U	0.32U	0.308U	0.312U	0.31U	0.308U	na
Butyl benzyl phthalate	0.328U	0.312U	0.308U	0.32U	0.308U	0.312U	0.31U	0.308U	0.013
Caffeine	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	**0.0623J**	na
Carbazole	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	52.2
Cholesterol	1.64U	1.56U	1.54U	1.6U	1.54U	1.56U	1.55U	1.54U	na
Chrysene	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	na
Coprosterol	1.64U	1.56U	1.54U	1.6U	1.54U	1.56U	1.55U	1.54U	na
Di(2-ethylhexyl) phthalate	1.64U	1.56U	1.54U	1.6U	1.54U	1.56U	1.55U	1.54U	0.045
Dibenzo(a,h)anthracene	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	na
Dibenzofuran	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	na
Dibutyl phthalate	0.328U	0.312U	0.308U	0.32U	0.308U	0.312U	0.31U	0.308U	8
Diethyl phthalate	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	200
Dimethyl phthalate	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	600
Di-n-octyl phthalate	0.82U	0.781U	0.769U	0.8U	0.769U	0.781U	0.775U	0.769U	0.0000937
Fluoranthene	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	na
Fluorene	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	na
Hexachlorobenzene	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	0.000005
Hexachlorobutadiene	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	0.01
Hexachlorocyclopentadiene	0.82U	0.781U	0.769U	0.8UJ	0.769U	0.781U	0.775U	0.769UJ	1
Hexachloroethane	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	0.02
Indeno(1,2,3-cd)pyrene	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	na

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Isophorone	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	27
m-Nitroaniline	0.328U	0.312U	0.308U	0.32U	0.308U	0.312U	0.31U	0.308U	na
Naphthalene	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	na
Nitrobenzene	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	10
N-Nitrosodi-n-propylamine	0.082U	0.0781U	0.0769U	0.08U	0.0769U	0.0781U	0.0775U	0.0769U	0.0044
N-Nitrosodiphenylamine	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	0.62
o-Cresol	0.82U	0.781U	0.769U	0.8U	0.769U	0.781U	0.775U	0.769U	400
PBDE-003	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	na
PCN-002	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	100
p-Cresol	0.82U	0.781U	0.769U	0.8U	0.769U	0.781U	0.775U	0.769U	800
Pentachlorophenol	0.164U	0.156U	0.154U	0.32U	0.308U	0.0781U	0.0775U	0.0769U	0.002
Phenanthrene	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	na
Phenol	0.328U	0.312U	0.308U	0.32U	0.308U	0.312U	0.31U	0.308U	279
Pyrene	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	na
Retene	0.164U	0.156U	0.154U	0.16U	0.154U	0.156U	0.155U	0.154U	na
Triclosan	0.82U	0.781U	0.769U	0.8U	0.769U	0.781U	0.775U	0.769U	na
Triethyl citrate	0.328U	0.312U	0.308U	0.32U	0.308U	0.312U	0.31U	0.308U	na
Tris(2-chloroethyl) phosphate	0.082U	0.156U	0.154U	0.16U	0.0769U	0.0781U	0.0775U	**0.0567J**	na

Table I4. SVOC results (µg/L) from well MW-4, February 2020 – March 2022.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
1,2,4-Trichlorobenzene	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	0.036
1,2-Dichlorobenzene	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	600
1,2-Diphenylhydrazine	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	0.01
1,3-Dichlorobenzene	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	2
1,4-Dichlorobenzene	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	4.93
1-Methylnaphthalene	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	na
2,3,4,6-Tetrachlorophenol	0.32U	0.312U	0.317U	0.325U	0.303U	0.32U	0.308U	0.308U	480
2,3,5,6-Tetrachlorophenol	0.32U	0.312U	0.317U	0.325U	0.303U	0.32U	0.308U	0.308U	na
2,4,5-Trichlorophenol	0.32U	0.312U	0.317U	0.325U	0.303U	0.32U	0.308U	0.308U	300
2,4,6-Trichlorophenol	0.32U	0.312U	0.317U	0.325U	0.303U	0.32U	0.308U	0.308U	0.25
2,4-Dichlorophenol	0.8U	0.781U	0.794U	0.813U	0.758U	0.8U	0.769U	0.769U	10
2,4-Dimethylphenol	0.8U	0.781U	0.794U	0.813U	0.758U	0.8U	0.769U	0.769U	85
2,4-Dinitrophenol	0.8U	0.781U	0.794U	0.813U	0.758UJ	0.8U	0.769U	0.769U	10
2,4-Dinitrotoluene	0.32U	0.312U	0.317U	0.325U	0.303U	0.32U	0.308U	0.308U	0.039
2,6-Dinitrotoluene	0.32U	0.312U	0.317U	0.325U	0.303U	0.32U	0.308U	0.308U	0.0583
2-Chlorophenol	0.32U	0.312U	0.317U	0.325U	0.303U	0.32U	0.308U	0.308U	15
2-Methylnaphthalene	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	na
2-Nitroaniline	1.6U	1.56U	1.59U	1.63U	1.52U	1.6U	1.54U	1.54U	160
2-Nitrophenol	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	na
3,3'-Dichlorobenzidine	0.16U	0.156U	0.159U	0.163U	REJ	0.16U	0.154U	0.154U	0.0031
4,6-Dinitro-2-Methylphenol	1.6U	1.56U	1.59U	1.63U	1.52UJ	1.6U	1.54U	1.54U	2
4-Chloro-3-Methylphenol	0.8U	0.781U	0.794U	0.813U	0.758U	0.8U	0.769U	0.769U	36
4-Chloroaniline	REJ	REJ	REJ	REJ	REJ	REJ	REJ	REJ	0.219
4-Chlorophenyl-Phenylether	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	na
4-Nitroaniline	0.32U	0.312U	0.317U	0.325U	0.303U	0.32U	0.308U	0.308U	64
4-Nitrophenol	0.8U	0.781U	0.794U	0.813U	0.758U	0.8U	0.769U	0.769U	na
4-Nonylphenol	0.32U	0.312U	0.317U	0.325U	0.303U	0.32U	0.308U	0.308U	7.68
Acenaphthene	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	na
Acenaphthylene	0.08U	0.0781U	0.0794U	0.0813U	0.0758UJ	0.08U	0.0769U	0.0769U	na
Anthracene	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	na

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Benz[a]anthracene	0.16U	0.156U	0.159U	0.163U	0.152UJ	0.16U	0.154U	0.154U	na
Benzo(a)pyrene	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	na
Benzo(b)fluoranthene	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	na
Benzo(ghi)perylene	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	na
Benzo(k)fluoranthene	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	na
Benzoic Acid	1.6U	1.56U	1.59U	1.63U	1.52U	1.6U	1.54U	1.54U	3690
Benzyl Alcohol	0.8U	0.781U	0.794U	0.813U	0.758U	0.8U	0.769U	0.769U	800
Bis(2-chloro-1-methylethyl) ether	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	200
Bis(2-Chloroethoxy)Methane	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	na
Bis(2-Chloroethyl)Ether	0.16U	0.156U	0.159U	0.163U	0.152UJ	0.16UJ	0.154U	0.154U	0.02
Bisphenol A	0.32U	0.312U	0.317U	0.325U	0.303U	0.32U	0.308U	0.308U	na
Butyl benzyl phthalate	0.32U	0.312U	0.317U	0.325U	0.303U	0.32U	0.308U	0.308U	0.013
Caffeine	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	na
Carbazole	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	52.2
Cholesterol	1.6U	1.56U	1.59U	1.63U	1.52U	1.6U	1.54U	1.54U	na
Chrysene	0.16U	0.156U	0.159U	0.163U	0.152UJ	0.16U	0.154U	0.154U	na
Coprosterol	1.6U	1.56U	1.59U	1.63U	1.52U	1.6U	1.54U	1.54U	na
Di(2-ethylhexyl) phthalate	1.6U	1.56U	1.59U	1.63U	1.52U	1.6U	1.54U	1.54U	0.045
Dibenzo(a,h)anthracene	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	na
Dibenzofuran	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	na
Dibutyl phthalate	0.32U	0.312U	0.317U	0.325U	0.303U	0.32U	0.308U	0.308U	8
Diethyl phthalate	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	200
Dimethyl phthalate	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	600
Di-n-octyl phthalate	0.8U	0.781U	0.794U	0.813U	0.758U	0.8U	0.769U	0.769U	0.0000937
Fluoranthene	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	na
Fluorene	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	na
Hexachlorobenzene	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	0.000005
Hexachlorobutadiene	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	0.01
Hexachlorocyclopentadiene	0.8U	0.781U	0.794U	0.813UJ	0.758U	0.8U	0.769U	0.769UJ	1
Hexachloroethane	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	0.02
Indeno(1,2,3-cd)pyrene	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	na

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Isophorone	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	27
m-Nitroaniline	0.32U	0.312U	0.317U	0.325U	0.303U	0.32U	0.308U	0.308U	na
Naphthalene	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	na
Nitrobenzene	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	10
N-Nitrosodi-n-propylamine	0.08U	0.0781U	0.0794U	0.0813U	0.0758U	0.08U	0.0769U	0.0769U	0.0044
N-Nitrosodiphenylamine	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	0.62
o-Cresol	0.8U	0.781U	0.794U	0.813U	0.758U	0.8U	0.769U	0.769U	400
PBDE-003	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	na
PCN-002	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	100
p-Cresol	0.8U	0.781U	0.794U	0.813U	0.758U	0.8U	0.769U	0.769U	800
Pentachlorophenol	0.16U	0.156U	0.159U	0.325U	0.303U	0.08U	0.0769U	0.0769U	0.002
Phenanthrene	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	na
Phenol	0.32U	0.312U	0.317U	0.325U	0.303U	0.32U	0.308U	0.308U	279
Pyrene	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	na
Retene	0.16U	0.156U	0.159U	0.163U	0.152U	0.16U	0.154U	0.154U	na
Triclosan	0.8U	0.781U	0.794U	0.813U	0.758U	0.8U	0.769U	0.769U	na
Triethyl citrate	0.32U	0.312U	0.317U	0.325U	0.303U	0.32U	0.308U	0.308U	na
Tris(2-chloroethyl) phosphate	**0.147**	**0.154J**	**0.141J**	0.163U	0.0758U	**0.0475J**	**0.0637J**	0.0769U	na

Table I5. SVOC results (µg/L) from well MW-5, February 2020 – March 2022.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
1,2,4-Trichlorobenzene	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	0.036
1,2-Dichlorobenzene	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	600
1,2-Diphenylhydrazine	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	0.01
1,3-Dichlorobenzene	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	2
1,4-Dichlorobenzene	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	4.93
1-Methylnaphthalene	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	na
2,3,4,6-Tetrachlorophenol	0.317U	0.308U	0.323U	0.325U	0.308U	0.32U	0.308U	0.303U	480
2,3,5,6-Tetrachlorophenol	0.317U	0.308U	0.323U	0.325U	0.308U	0.32U	0.308U	0.303U	na
2,4,5-Trichlorophenol	0.317U	0.308U	0.323U	0.325U	0.308U	0.32U	0.308U	0.303U	300
2,4,6-Trichlorophenol	0.317U	0.308U	0.323U	0.325U	0.308U	0.32U	0.308U	0.303U	0.25
2,4-Dichlorophenol	0.794U	0.769U	0.806U	0.813U	0.769U	0.8U	0.769U	0.758U	10
2,4-Dimethylphenol	0.794U	0.769U	0.806U	0.813U	0.769U	0.8U	0.769U	0.758U	85
2,4-Dinitrophenol	0.794U	0.769U	0.806U	0.813U	0.769U	0.8U	0.769U	0.758U	10
2,4-Dinitrotoluene	0.317U	0.308U	0.323U	0.325U	0.308U	0.32U	0.308U	0.303U	0.039
2,6-Dinitrotoluene	0.317U	0.308U	0.323U	0.325U	0.308U	0.32U	0.308U	0.303U	0.0583
2-Chlorophenol	0.317U	0.308U	0.323U	0.325U	0.308U	0.32U	0.308U	0.303U	15
2-Methylnaphthalene	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	na
2-Nitroaniline	1.59U	1.54U	1.61U	1.63U	1.54U	1.6U	1.54U	1.52U	160
2-Nitrophenol	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	na
3,3'-Dichlorobenzidine	0.159U	0.154U	REJ	REJ	0.154U	REJ	REJ	REJ	0.0031
4,6-Dinitro-2-Methylphenol	1.59U	1.54U	1.61U	1.63U	1.54U	1.6U	1.54U	1.52U	2
4-Chloro-3-Methylphenol	0.794U	0.769U	0.806U	0.813U	0.769U	0.8U	0.769U	0.758U	36
4-Chloroaniline	REJ	REJ	REJ	REJ	REJ	REJ	REJ	REJ	0.219
4-Chlorophenyl-Phenylether	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	na
4-Nitroaniline	0.317U	0.308U	0.323U	0.325U	0.308U	0.32U	0.308U	0.303U	64
4-Nitrophenol	0.794U	0.769U	0.806U	0.813U	0.769U	0.8U	0.769U	0.758U	na
4-Nonylphenol	0.317U	0.308U	0.323U	0.325U	0.308U	0.32U	0.308U	0.303U	7.68
Acenaphthene	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	na
Acenaphthylene	0.0794U	0.0769U	0.0806U	0.0813U	0.0769UJ	0.08U	0.0769U	0.0758U	na
Anthracene	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	na

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Benz[a]anthracene	0.159U	0.154U	0.161UJ	0.163U	0.154U	0.16U	0.154U	0.152U	na
Benzo(a)pyrene	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	na
Benzo(b)fluoranthene	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	na
Benzo(ghi)perylene	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	na
Benzo(k)fluoranthene	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	na
Benzoic Acid	1.59U	1.54U	1.61U	1.63U	1.54U	1.6U	1.54U	1.52U	3690
Benzyl Alcohol	0.794U	0.769U	0.806U	0.813U	0.769U	0.8U	0.769U	0.758U	800
Bis(2-chloro-1-methylethyl) ether	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	200
Bis(2-Chloroethoxy)Methane	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	na
Bis(2-Chloroethyl)Ether	0.159U	0.154U	0.161U	0.163U	0.154U	0.16UJ	0.154U	0.152U	0.02
Bisphenol A	0.317U	0.308U	0.323U	0.325U	0.308U	0.32U	0.308U	0.303U	na
Butyl benzyl phthalate	0.317U	0.308U	0.323U	0.325U	0.308U	0.32U	0.308U	0.303U	0.013
Caffeine	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	na
Carbazole	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	52.2
Cholesterol	1.59U	1.54U	1.61U	1.63U	1.54U	1.6U	1.54U	1.52U	na
Chrysene	0.159U	0.154U	0.161UJ	0.163U	0.154U	0.16U	0.154U	0.152U	na
Coprosterol	1.59U	1.54U	1.61U	1.63U	1.54U	1.6U	1.54U	1.52U	na
Di(2-ethylhexyl) phthalate	1.59U	1.54U	1.61U	1.63U	1.54U	1.6U	1.54U	1.52U	0.045
Dibenzo(a,h)anthracene	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	na
Dibenzofuran	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	na
Dibutyl phthalate	0.317U	0.308U	0.323U	0.325U	0.308U	0.32U	0.308U	0.303U	8
Diethyl phthalate	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	200
Dimethyl phthalate	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	600
Di-n-octyl phthalate	0.794U	0.769U	0.806U	0.813U	0.769U	0.8U	0.769U	0.758U	0.0000937
Fluoranthene	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	na
Fluorene	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	na
Hexachlorobenzene	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	0.000005
Hexachlorobutadiene	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	0.01
Hexachlorocyclopentadiene	0.794U	0.769U	0.806U	0.813UJ	0.769U	0.8U	0.769U	0.758UJ	1
Hexachloroethane	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	0.02
Indeno(1,2,3-cd)pyrene	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	na

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Isophorone	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	27
m-Nitroaniline	0.317U	0.308U	0.323U	0.325U	0.308U	0.32U	0.308U	0.303U	na
Naphthalene	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	na
Nitrobenzene	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	10
N-Nitrosodi-n-propylamine	0.0794U	0.0769U	0.0806U	0.0813U	0.0769U	0.08U	0.0769U	0.0758U	0.0044
N-Nitrosodiphenylamine	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	0.62
o-Cresol	0.794U	0.769U	0.806U	0.813U	0.769U	0.8U	0.769U	0.758U	400
PBDE-003	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	na
PCN-002	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	100
p-Cresol	0.794U	0.769U	0.806U	0.813U	0.769U	0.8U	0.769U	0.758U	800
Pentachlorophenol	0.159U	0.154U	0.161U	0.325U	0.308U	0.08U	0.0769U	0.0758U	0.002
Phenanthrene	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	na
Phenol	0.317U	0.308U	0.323U	0.325U	0.308U	0.32U	0.308U	0.303U	279
Pyrene	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	na
Retene	0.159U	0.154U	0.161U	0.163U	0.154U	0.16U	0.154U	0.152U	na
Triclosan	0.794U	0.769U	0.806U	0.813U	0.769U	0.8U	0.769U	0.758U	na
Triethyl citrate	0.317U	0.308U	0.323U	0.325U	0.308U	0.32U	0.308U	0.303U	na
Tris(2-chloroethyl) phosphate	**0.147**	**0.151J**	**0.139J**	0.163U	0.0769U	**0.0513J**	**0.0678J**	**0.0592J**	na

Table I6. SVOC results (µg/L) from well MW-6, February 2020 – March 2022.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
1,2,4-Trichlorobenzene	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	0.036
1,2-Dichlorobenzene	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	600
1,2-Diphenylhydrazine	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	0.01
1,3-Dichlorobenzene	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	2
1,4-Dichlorobenzene	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	4.93
1-Methylnaphthalene	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	na
2,3,4,6-Tetrachlorophenol	0.312U	0.308U	0.308U	0.333U	0.31U	0.317U	0.305U	0.32U	480
2,3,5,6-Tetrachlorophenol	0.312U	0.308U	0.308U	0.333U	0.31U	0.317U	0.305U	0.32U	na
2,4,5-Trichlorophenol	0.312U	0.308U	0.308U	0.333U	0.31U	0.317U	0.305U	0.32U	300
2,4,6-Trichlorophenol	0.312U	0.308U	0.308U	0.333U	0.31U	0.317U	0.305U	0.32U	0.25
2,4-Dichlorophenol	0.781U	0.769U	0.769U	0.833U	0.775U	0.794U	0.763U	0.8U	10
2,4-Dimethylphenol	0.781U	0.769U	0.769U	0.833U	0.775U	0.794U	0.763U	0.8U	85
2,4-Dinitrophenol	0.781U	0.769U	0.769U	0.833U	0.775U	0.794U	0.763U	0.8U	10
2,4-Dinitrotoluene	0.312U	0.308U	0.308U	0.333U	0.31U	0.317U	0.305U	0.32U	0.039
2,6-Dinitrotoluene	0.312U	0.308U	0.308U	0.333U	0.31U	0.317U	0.305U	0.32U	0.0583
2-Chlorophenol	0.312U	0.308U	0.308U	0.333U	0.31U	0.317U	0.305U	0.32U	15
2-Methylnaphthalene	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	na
2-Nitroaniline	1.56U	1.54U	1.54U	1.67U	1.55U	1.59U	1.53U	1.6U	160
2-Nitrophenol	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	na
3,3'-Dichlorobenzidine	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	0.0031
4,6-Dinitro-2-Methylphenol	1.56U	1.54U	1.54U	1.67U	1.55U	1.59U	1.53U	1.6U	2
4-Chloro-3-Methylphenol	0.781U	0.769U	0.769U	0.833U	0.775U	0.794U	0.763U	0.8U	36
4-Chloroaniline	REJ	REJ	REJ	REJ	REJ	REJ	REJ	REJ	0.219
4-Chlorophenyl-Phenylether	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	na
4-Nitroaniline	0.312U	0.308U	0.308U	0.333U	0.31U	0.317U	0.305U	0.32U	64
4-Nitrophenol	0.781U	0.769U	0.769U	0.833U	0.775U	0.794U	0.763U	0.8U	na
4-Nonylphenol	0.312U	0.308U	0.308U	0.333U	0.31U	0.317U	0.305U	0.32U	7.68
Acenaphthene	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	na
Acenaphthylene	0.0781U	0.0769U	0.0769U	0.0833U	0.0775UJ	0.0794U	0.0763U	0.08U	na
Anthracene	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	na

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Benz[a]anthracene	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	na
Benzo(a)pyrene	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	na
Benzo(b)fluoranthene	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	na
Benzo(ghi)perylene	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	na
Benzo(k)fluoranthene	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	na
Benzoic Acid	1.56U	1.54U	1.54U	1.67U	1.55U	1.59U	1.53U	1.6U	3690
Benzyl Alcohol	0.781U	0.769U	0.769U	0.833U	0.775U	0.794U	0.763U	0.8U	800
Bis(2-chloro-1-methylethyl) ether	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	200
Bis(2-Chloroethoxy)Methane	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	na
Bis(2-Chloroethyl)Ether	0.156U	0.154U	0.154U	0.167U	0.155U	0.159UJ	0.153U	0.16U	0.02
Bisphenol A	0.312U	0.308U	0.308U	0.333U	0.31U	0.317U	0.305U	0.32U	na
Butyl benzyl phthalate	0.312U	0.308U	0.308U	0.333U	0.31U	0.317U	0.305U	0.32U	0.013
Caffeine	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	na
Carbazole	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	52.2
Cholesterol	1.56U	1.54U	1.54U	1.67U	1.55U	1.59U	1.53U	1.6U	na
Chrysene	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	na
Coprosterol	1.56U	1.54U	1.54U	1.67U	1.55U	1.59U	1.53U	1.6U	na
Di(2-ethylhexyl) phthalate	1.56U	1.54U	1.54U	1.67U	1.55U	1.59U	1.53U	1.6U	0.045
Dibenzo(a,h)anthracene	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	na
Dibenzofuran	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	na
Dibutyl phthalate	0.312U	0.308U	0.308U	0.41U	0.31U	0.317U	0.305U	0.32U	8
Diethyl phthalate	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	200
Dimethyl phthalate	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	600
Di-n-octyl phthalate	0.781U	0.769U	0.769U	0.833U	0.775U	0.794U	0.763U	0.8U	0.0000937
Fluoranthene	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	na
Fluorene	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	na
Hexachlorobenzene	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	0.000005
Hexachlorobutadiene	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	0.01
Hexachlorocyclopentadiene	0.781U	0.769U	0.769U	0.833UJ	0.775U	0.794U	0.763U	0.8UJ	1
Hexachloroethane	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	0.02
Indeno(1,2,3-cd)pyrene	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	na

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Isophorone	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	27
m-Nitroaniline	0.312U	0.308U	0.308U	0.333U	0.31U	0.317U	0.305U	0.32U	na
Naphthalene	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	na
Nitrobenzene	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	10
N-Nitrosodi-n-propylamine	0.0781U	0.0769U	0.0769U	0.0833U	0.0775U	0.0794U	0.0763U	0.08U	0.0044
N-Nitrosodiphenylamine	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	0.62
o-Cresol	0.781U	0.769U	0.769U	0.833U	0.775U	0.794U	0.763U	0.8U	400
PBDE-003	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	na
PCN-002	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	100
p-Cresol	0.781U	0.769U	0.769U	0.833U	0.775U	0.794U	0.763U	0.8U	800
Pentachlorophenol	0.156U	0.154U	0.154U	0.333U	0.31U	0.0794U	0.0763U	0.08U	0.002
Phenanthrene	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	na
Phenol	0.312U	0.308U	0.308U	0.333U	0.31U	0.317U	0.305U	0.32U	279
Pyrene	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	na
Retene	0.156U	0.154U	0.154U	0.167U	0.155U	0.159U	0.153U	0.16U	na
Triclosan	0.781U	0.769U	0.769U	0.833U	0.775U	0.794U	0.763U	0.8U	na
Triethyl citrate	0.312U	0.308U	0.308U	0.333U	0.31U	0.317U	0.305U	0.32U	na
Tris(2-chloroethyl) phosphate	**0.16**	**0.143J**	**0.129J**	0.167U	0.0775U	**0.0467J**	**0.062J**	**0.058J**	na

Table I7. SVOC results (µg/L) from well MW-7, February 2020 – March 2022.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
1,2,4-Trichlorobenzene	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	0.036
1,2-Dichlorobenzene	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	600
1,2-Diphenylhydrazine	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	0.01
1,3-Dichlorobenzene	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	2
1,4-Dichlorobenzene	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	4.93
1-Methylnaphthalene	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	na
2,3,4,6-Tetrachlorophenol	0.315U	0.312U	0.312U	0.317U	0.305U	0.312U	0.308U	0.308U	480
2,3,5,6-Tetrachlorophenol	0.315U	**0.0978J**	0.312U	0.317U	0.305U	0.312U	0.308U	0.308U	na
2,4,5-Trichlorophenol	0.315U	0.312U	0.312U	0.317U	0.305U	0.312U	0.308U	0.308U	300
2,4,6-Trichlorophenol	0.315U	0.312U	0.312U	0.317U	0.305U	0.312U	0.308U	0.308U	0.25
2,4-Dichlorophenol	0.787U	0.781U	0.781U	0.794U	0.763U	0.781U	0.769U	0.769U	10
2,4-Dimethylphenol	0.787U	0.781U	0.781U	0.794U	0.763U	0.781U	0.769U	0.769U	85
2,4-Dinitrophenol	0.787U	0.781U	0.781U	0.794U	0.763U	0.781U	0.769U	0.769U	10
2,4-Dinitrotoluene	0.315U	0.312U	0.312U	0.317U	0.305U	0.312U	0.308U	0.308U	0.039
2,6-Dinitrotoluene	0.315U	0.312U	0.312U	0.317U	0.305U	0.312U	0.308U	0.308U	0.0583
2-Chlorophenol	0.315U	0.312U	0.312U	0.317U	0.305U	0.312U	0.308U	0.308U	15
2-Methylnaphthalene	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	na
2-Nitroaniline	1.57U	1.56U	1.56U	1.59U	1.53U	1.56U	1.54U	1.54U	160
2-Nitrophenol	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	na
3,3'-Dichlorobenzidine	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	0.0031
4,6-Dinitro-2-Methylphenol	1.57U	1.56U	1.56U	1.59U	1.53U	1.56U	1.54U	1.54U	2
4-Chloro-3-Methylphenol	0.787U	0.781U	0.781U	0.794U	0.763U	0.781U	0.769U	0.769U	36
4-Chloroaniline	REJ	REJ	REJ	REJ	REJ	REJ	REJ	REJ	0.219
4-Chlorophenyl-Phenylether	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	na
4-Nitroaniline	0.315U	0.312U	0.312U	0.317U	0.305U	0.312U	0.308U	0.308U	64
4-Nitrophenol	0.787U	REJ	0.781U	0.794U	0.763U	0.781U	0.769U	0.769U	na
4-Nonylphenol	0.315U	0.312U	0.312U	0.317U	0.305U	0.312U	0.308U	0.308U	7.68
Acenaphthene	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	na
Acenaphthylene	0.0787U	0.0781U	0.0781U	0.0794U	0.0763UJ	0.0781U	0.0769U	0.0769U	na
Anthracene	0.157U	**0.0979J**	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	na

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Benz[a]anthracene	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	na
Benzo(a)pyrene	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	na
Benzo(b)fluoranthene	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	na
Benzo(ghi)perylene	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	na
Benzo(k)fluoranthene	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	na
Benzoic Acid	1.57U	1.56U	1.56U	1.59U	1.53U	1.56U	1.54U	1.54U	3690
Benzyl Alcohol	0.787U	0.781U	0.781U	0.794U	0.763U	0.781U	0.769U	0.769U	800
Bis(2-chloro-1-methylethyl) ether	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	200
Bis(2-Chloroethoxy)Methane	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	na
Bis(2-Chloroethyl)Ether	0.157U	0.156U	0.156U	0.159U	0.153U	0.156UJ	0.154U	0.154U	0.02
Bisphenol A	0.315U	0.312U	0.312U	0.317U	0.305U	0.312U	0.308U	0.308U	na
Butyl benzyl phthalate	0.315U	0.312U	0.312U	0.317U	0.305U	0.312U	0.308U	0.308U	0.013
Caffeine	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	na
Carbazole	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	52.2
Cholesterol	1.57U	1.56U	1.56U	1.59U	1.53U	**2.21**	1.54U	1.54U	na
Chrysene	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	na
Coprosterol	1.57U	1.56U	1.56U	1.59U	1.53U	1.56U	1.54U	1.54U	na
Di(2-ethylhexyl) phthalate	1.57U	1.56U	1.56U	1.59U	1.53U	1.56U	1.54U	1.54U	0.045
Dibenzo(a,h)anthracene	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	na
Dibenzofuran	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	na
Dibutyl phthalate	0.315U	0.312U	0.312U	0.334U	0.305U	0.312U	0.308U	0.308U	8
Diethyl phthalate	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	200
Dimethyl phthalate	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	600
Di-n-octyl phthalate	0.787U	0.781U	0.781U	0.794U	0.763U	0.781U	0.769U	0.769U	0.0000937
Fluoranthene	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	na
Fluorene	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	na
Hexachlorobenzene	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	0.000005
Hexachlorobutadiene	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	0.01
Hexachlorocyclopentadiene	0.787U	0.781U	0.781U	0.794UJ	0.763U	0.781U	0.769U	0.769UJ	1
Hexachloroethane	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	0.02
Indeno(1,2,3-cd)pyrene	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	na

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	Jul 21	Oct 21	Mar 22	PCUL
Isophorone	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	27
m-Nitroaniline	0.315U	0.312U	0.312U	0.317U	0.305U	0.312U	0.308U	0.308U	na
Naphthalene	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	na
Nitrobenzene	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	10
N-Nitrosodi-n-propylamine	0.0787U	0.0781U	0.0781U	0.0794U	0.0763U	0.0781U	0.0769U	0.0769U	0.0044
N-Nitrosodiphenylamine	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	0.62
o-Cresol	0.787U	0.781U	0.781U	0.794U	0.763U	0.781U	0.769U	0.769U	400
PBDE-003	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	na
PCN-002	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	100
p-Cresol	0.787U	0.781U	0.781U	0.794U	0.763U	0.781U	0.769U	0.769U	800
Pentachlorophenol	0.157U	**0.205**	0.156U	0.317U	0.305U	**0.106**	0.0769U	0.0769U	0.002
Phenanthrene	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	na
Phenol	0.315U	0.312U	0.312U	0.317U	0.305U	0.312U	0.308U	0.308U	279
Pyrene	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	na
Retene	0.157U	0.156U	0.156U	0.159U	0.153U	0.156U	0.154U	0.154U	na
Triclosan	0.787U	0.781U	0.781U	0.794U	0.763U	0.781U	0.769U	0.769U	na
Triethyl citrate	0.315U	0.312U	0.312U	0.317U	0.305U	0.312U	0.308U	0.308U	na
Tris(2-chloroethyl) phosphate	0.0787U	0.156U	**0.133J**	0.159U	0.0763U	**0.0517J**	0.0769U	**0.0622J**	na

Appendix J. Pesticides

Analytical data for pesticides from the February 2020 through January 2021 groundwater sampling at the May Creek Landfill. Manchester Environmental Laboratory (MEL) performed all analyses. All results are given in µg/L.

These qualifiers and abbreviations are used in the tables:

U – Analyte was not detected at or above the reported result.
UJ – Analyte was not detected at or above the reported estimate.
PCUL – Preliminary cleanup level.

Table J1. Pesticides results (µg/L) from well MW-1, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
2,4'-DDD	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	na
2,4'-DDE	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	na
2,4'-DDT	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	na
4,4'-DDD	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	0.0000079
4,4'-DDE	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	0.00000088
4,4'-DDT	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	0.0000012
Aldrin	0.00249UJ	0.0026UJ	0.00254UJ	0.00258UJ	0.00248U	0.000000041
alpha-BHC	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	0.000048
beta-BHC	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	0.0013
Chlordane, technical	0.0249U	0.026U	0.0254U	0.0258U	0.00248U	0.000022
Chlorpyrifos	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	0.041
Chlorthal-dimethyl	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	na
cis-Chlordane	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	0.000103
cis-Nonachlor	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	na
DDMU	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	na
delta-BHC	0.00249U	0.0026U	0.00254U	0.00258UJ	0.00248U	na
Dieldrin	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	0.00000007
Endosulfan I	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	0.056
Endosulfan II	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	0.056
Endosulfan Sulfate	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	9
Endrin	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	0.002
Endrin Aldehyde	0.00249U	0.0026U	0.00254UJ	0.00258UJ	0.00248U	0.034
Endrin Ketone	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	na
Heptachlor	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	0.00000034
Heptachlor Epoxide	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	0.0000024
Hexachlorobenzene	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	na
Lindane	0.00255U	0.0026U	0.00254U	0.00258U	0.00248U	0.08
Methoxychlor	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	0.02
Mirex	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	0.001
Oxychlordane	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	na
Pentachloroanisole	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	na
Toxaphene	0.0249U	0.026U	0.0254U	0.0258U	0.00248U	0.000032
trans-Chlordane	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	0.000103
trans-Nonachlor	0.00249U	0.0026U	0.00254U	0.00258U	0.00248U	na

Table J2. Pesticides results (µg/L) from well MW-2, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
2,4'-DDD	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	na
2,4'-DDE	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	na
2,4'-DDT	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	na
4,4'-DDD	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	0.0000079
4,4'-DDE	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	0.00000088
4,4'-DDT	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	0.0000012
Aldrin	0.00251UJ	0.00249UJ	0.00249UJ	0.00249UJ	0.00251U	0.000000041
alpha-BHC	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	0.000048
beta-BHC	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	0.0013
Chlordane, technical	0.0251U	0.0249U	0.0249U	0.0249U	0.00251U	0.000022
Chlorpyrifos	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	0.041
Chlorthal-dimethyl	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	na
cis-Chlordane	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	0.000103
cis-Nonachlor	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	na
DDMU	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	na
delta-BHC	0.00251U	0.00249U	0.00249U	0.00249UJ	0.00251U	na
Dieldrin	0.00251U	0.00301UJ	0.00249U	0.00249U	0.00251U	0.00000007
Endosulfan I	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	0.056
Endosulfan II	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	0.056
Endosulfan Sulfate	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	9
Endrin	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	0.002
Endrin Aldehyde	0.00251U	0.00338UJ	0.00249UJ	0.00249UJ	0.00251U	0.034
Endrin Ketone	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	na
Heptachlor	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	0.00000034
Heptachlor Epoxide	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	0.0000024
Hexachlorobenzene	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	na
Lindane	0.003U	0.00249U	0.00249U	0.00249U	0.00251U	0.08
Methoxychlor	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	0.02
Mirex	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	0.001
Oxychlordane	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	na
Pentachloroanisole	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	na
Toxaphene	0.0251U	0.0249U	0.0249U	0.0249U	0.00251U	0.000032
trans-Chlordane	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	0.000103
trans-Nonachlor	0.00251U	0.00249U	0.00249U	0.00249U	0.00251U	na

Table J3. Pesticides results (µg/L) from well MW-3, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
2,4'-DDD	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	na
2,4'-DDE	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	na
2,4'-DDT	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	na
4,4'-DDD	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.0000079
4,4'-DDE	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.00000088
4,4'-DDT	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.0000012
Aldrin	0.00246UJ	0.0026UJ	0.00263UJ	0.00258UJ	0.00250U	0.000000041
alpha-BHC	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.000048
beta-BHC	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.0013
Chlordane, technical	0.0246U	0.026U	0.0263U	0.0258U	0.00250U	0.000022
Chlorpyrifos	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.041
Chlorthal-dimethyl	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	na
cis-Chlordane	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.000103
cis-Nonachlor	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	na
DDMU	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	na
delta-BHC	0.00246U	0.0026U	0.00263U	0.00258UJ	0.00250U	na
Dieldrin	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.00000007
Endosulfan I	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.056
Endosulfan II	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.056
Endosulfan Sulfate	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	9
Endrin	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.002
Endrin Aldehyde	0.00246U	0.0026U	0.00263UJ	0.00258UJ	0.00250U	0.034
Endrin Ketone	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	na
Heptachlor	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.00000034
Heptachlor Epoxide	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.0000024
Hexachlorobenzene	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	na
Lindane	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.08
Methoxychlor	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.02
Mirex	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.001
Oxychlordane	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	na
Pentachloroanisole	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	na
Toxaphene	0.0246U	0.026U	0.0263U	0.0258U	0.00250U	0.000032
trans-Chlordane	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	0.000103
trans-Nonachlor	0.00246U	0.0026U	0.00263U	0.00258U	0.00250U	na

Table J4. Pesticides results (µg/L) from well MW-4, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
2,4'-DDD	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	na
2,4'-DDE	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	na
2,4'-DDT	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	na
4,4'-DDD	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	0.0000079
4,4'-DDE	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	0.00000088
4,4'-DDT	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	0.0000012
Aldrin	0.00253UJ	0.00246UJ	0.0025UJ	0.00255UJ	0.00249U	0.000000041
alpha-BHC	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	0.000048
beta-BHC	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	0.0013
Chlordane, technical	0.0253U	0.0246U	0.025U	0.0255U	0.00249U	0.000022
Chlorpyrifos	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	0.041
Chlorthal-dimethyl	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	na
cis-Chlordane	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	0.000103
cis-Nonachlor	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	na
DDMU	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	na
delta-BHC	0.00253U	0.00246U	0.0025U	0.00255UJ	0.00249U	na
Dieldrin	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	0.00000007
Endosulfan I	0.00253U	0.00385U	0.0025U	0.00255U	0.00249U	0.056
Endosulfan II	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	0.056
Endosulfan Sulfate	0.00253U	0.0039U	0.0025U	0.00255U	0.00249U	9
Endrin	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	0.002
Endrin Aldehyde	0.0048U	0.00246U	0.0025UJ	0.00255UJ	0.00249U	0.034
Endrin Ketone	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	na
Heptachlor	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	0.00000034
Heptachlor Epoxide	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	0.0000024
Hexachlorobenzene	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	na
Lindane	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	0.08
Methoxychlor	0.00253U	0.00813U	0.0025U	0.00255U	0.00249U	0.02
Mirex	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	0.001
Oxychlordane	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	na
Pentachloroanisole	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	na
Toxaphene	0.0253U	0.0246U	0.025U	0.0255U	0.00249U	0.000032
trans-Chlordane	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	0.000103
trans-Nonachlor	0.00253U	0.00246U	0.0025U	0.00255U	0.00249U	na

Table J5. Pesticides results (µg/L) from well MW-5, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
2,4'-DDD	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	na
2,4'-DDE	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	na
2,4'-DDT	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	na
4,4'-DDD	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.0000079
4,4'-DDE	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.00000088
4,4'-DDT	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.0000012
Aldrin	0.00254UJ	0.00251UJ	0.00262UJ	0.00248UJ	0.00253U	0.000000041
alpha-BHC	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.000048
beta-BHC	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.0013
Chlordane, technical	0.0254U	0.0251U	0.0262U	0.0248U	0.00253U	0.000022
Chlorpyrifos	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.041
Chlorthal-dimethyl	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	na
cis-Chlordane	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.000103
cis-Nonachlor	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	na
DDMU	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	na
delta-BHC	0.00254U	0.00251U	0.00262U	0.00248UJ	0.00253U	na
Dieldrin	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.00000007
Endosulfan I	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.056
Endosulfan II	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.056
Endosulfan Sulfate	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	9
Endrin	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.002
Endrin Aldehyde	0.00254U	0.00251U	0.00262UJ	0.00248UJ	0.00253U	0.034
Endrin Ketone	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	na
Heptachlor	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.00000034
Heptachlor Epoxide	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.0000024
Hexachlorobenzene	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	na
Lindane	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.08
Methoxychlor	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.02
Mirex	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.001
Oxychlordane	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	na
Pentachloroanisole	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	na
Toxaphene	0.0254U	0.0251U	0.0262U	0.0248U	0.00253U	0.000032
trans-Chlordane	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	0.000103
trans-Nonachlor	0.00254U	0.00251U	0.00262U	0.00248U	0.00253U	na

Table J6. Pesticides results (µg/L) from well MW-6, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
2,4'-DDD	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	na
2,4'-DDE	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	na
2,4'-DDT	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	na
4,4'-DDD	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	0.0000079
4,4'-DDE	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	0.00000088
4,4'-DDT	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	0.0000012
Aldrin	0.00245UJ	0.0025UJ	0.00258UJ	0.0025UJ	0.00251U	0.000000041
alpha-BHC	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	0.000048
beta-BHC	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	0.0013
Chlordane, technical	0.0245U	0.025U	0.0258U	0.025U	0.00251U	0.000022
Chlorpyrifos	0.00245U	0.0109U	0.00258U	0.0025U	0.00251U	0.041
Chlorthal-dimethyl	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	na
cis-Chlordane	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	0.000103
cis-Nonachlor	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	na
DDMU	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	na
delta-BHC	0.00245U	0.0025U	0.00258U	0.0025UJ	0.00251U	na
Dieldrin	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	0.00000007
Endosulfan I	0.00245U	0.00305U	0.00258U	0.0025U	0.00251U	0.056
Endosulfan II	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	0.056
Endosulfan Sulfate	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	9
Endrin	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	0.002
Endrin Aldehyde	0.00245U	0.00254U	0.00258UJ	0.0025UJ	0.00251U	0.034
Endrin Ketone	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	na
Heptachlor	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	0.00000034
Heptachlor Epoxide	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	0.0000024
Hexachlorobenzene	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	na
Lindane	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	0.08
Methoxychlor	0.00245U	0.00397U	0.00258U	0.0025U	0.00251U	0.02
Mirex	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	0.001
Oxychlordane	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	na
Pentachloroanisole	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	na
Toxaphene	0.0245U	0.025U	0.0258U	0.025U	0.00251U	0.000032
trans-Chlordane	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	0.000103
trans-Nonachlor	0.00245U	0.0025U	0.00258U	0.0025U	0.00251U	na

Table J7. Pesticides results (µg/L) from well MW-7, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
2,4'-DDD	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	na
2,4'-DDE	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	na
2,4'-DDT	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	na
4,4'-DDD	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	0.0000079
4,4'-DDE	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	0.00000088
4,4'-DDT	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	0.0000012
Aldrin	0.00266UJ	0.00258UJ	0.00263UJ	0.00249UJ	0.00254U	0.000000041
alpha-BHC	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	0.000048
beta-BHC	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	0.0013
Chlordane, technical	0.0266U	0.0258U	0.0263U	0.0249U	0.00254U	0.000022
Chlorpyrifos	0.00266U	0.0148UJ	0.00263U	0.00249U	0.00254U	0.041
Chlorthal-dimethyl	0.00266U	0.00258UJ	0.00263U	0.00249U	0.00254U	na
cis-Chlordane	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	0.000103
cis-Nonachlor	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	na
DDMU	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	na
delta-BHC	0.00266U	0.00258U	0.00263U	0.00249UJ	0.00254U	na
Dieldrin	0.00266U	0.00296UJ	0.00263U	0.00249U	0.00254U	0.00000007
Endosulfan I	0.00266U	0.00258UJ	0.00263U	0.00249U	0.00254U	0.056
Endosulfan II	0.00266U	0.00258UJ	0.00263U	0.00249U	0.00254U	0.056
Endosulfan Sulfate	0.00266U	0.00258UJ	0.00263U	0.00249U	0.00254U	9
Endrin	0.00266U	0.00258UJ	0.00263U	0.00249U	0.00254U	0.002
Endrin Aldehyde	0.00604U	0.00295UJ	0.00263UJ	0.00249UJ	0.00254U	0.034
Endrin Ketone	0.00266U	0.00258UJ	0.00263U	0.00249U	0.00254U	na
Heptachlor	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	0.00000034
Heptachlor Epoxide	0.00266U	0.00258UJ	0.00263U	0.00249U	0.00254U	0.0000024
Hexachlorobenzene	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	na
Lindane	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	0.08
Methoxychlor	0.00266U	0.00258UJ	0.00263U	0.00249U	0.00254U	0.02
Mirex	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	0.001
Oxychlordane	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	na
Pentachloroanisole	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	na
Toxaphene	0.0266U	0.0258U	0.0263U	0.0249U	0.00254U	0.000032
trans-Chlordane	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	0.000103
trans-Nonachlor	0.00266U	0.00258U	0.00263U	0.00249U	0.00254U	na

Appendix K. PCB Aroclors

Analytical data for PCB araoclors from the February 2020 through January 2021 groundwater sampling at the May Creek Landfill. Manchester Environmental Laboratory (MEL) performed all analyses. All results are given in µg/L.

These qualifiers and abbreviations are used in the tables:

U – Analyte was not detected at or above the reported result.

PCUL – Preliminary cleanup level. The listed PCUL is for total cumulative PCB aroclors.

Table L1. PCB aroclor results (µg/L) from well MW-1, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
PCB-aroclor 1016	0.0249U	0.026U	0.0254U	0.0258U	0.0248U	0.000007
PCB-aroclor 1221	0.0249U	0.026U	0.0254U	0.0258U	0.0248U	0.000007
PCB-aroclor 1232	0.0249U	0.026U	0.0254U	0.0258U	0.0248U	0.000007
PCB-aroclor 1242	0.0249U	0.026U	0.0254U	0.0258U	0.0248U	0.000007
PCB-aroclor 1248	0.0249U	0.026U	0.0254U	0.0258U	0.0248U	0.000007
PCB-aroclor 1254	0.0249U	0.026U	0.0254U	0.0258U	0.0248U	0.000007
PCB-aroclor 1260	0.0249U	0.026U	0.0254U	0.0258U	0.0248U	0.000007
PCB-aroclor 1262	0.0249U	0.026U	0.0254U	0.0258U	0.0248U	0.000007
PCB-aroclor 1268	0.0249U	0.026U	0.0254U	0.0258U	0.0248U	0.000007

Table L2. PCB aroclor results (µg/L) from well MW-2, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
PCB-aroclor 1016	0.0251U	0.0249U	0.0249U	0.0249U	0.0251U	0.000007
PCB-aroclor 1221	0.0251U	0.0249U	0.0249U	0.0249U	0.0251U	0.000007
PCB-aroclor 1232	0.0251U	0.0249U	0.0249U	0.0249U	0.0251U	0.000007
PCB-aroclor 1242	0.0251U	0.0249U	0.0249U	0.0249U	0.0251U	0.000007
PCB-aroclor 1248	0.0251U	0.0249U	0.0249U	0.0249U	0.0251U	0.000007
PCB-aroclor 1254	0.0251U	0.0249U	0.0249U	0.0249U	0.0251U	0.000007
PCB-aroclor 1260	0.0251U	0.0249U	0.0249U	0.0249U	0.0251U	0.000007
PCB-aroclor 1262	0.0251U	0.0249U	0.0249U	0.0249U	0.0251U	0.000007
PCB-aroclor 1268	0.0251U	0.0249U	0.0249U	0.0249U	0.0251U	0.000007

Table L3. PCB aroclor results (µg/L) from well MW-3, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
PCB-aroclor 1016	0.0246U	0.026U	0.0263U	0.0258U	0.0250U	0.000007
PCB-aroclor 1221	0.0246U	0.026U	0.0263U	0.0258U	0.0250U	0.000007
PCB-aroclor 1232	0.0246U	0.026U	0.0263U	0.0258U	0.0250U	0.000007
PCB-aroclor 1242	0.0246U	0.026U	0.0263U	0.0258U	0.0250U	0.000007
PCB-aroclor 1248	0.0246U	0.026U	0.0263U	0.0258U	0.0250U	0.000007
PCB-aroclor 1254	0.0246U	0.026U	0.0263U	0.0258U	0.0250U	0.000007
PCB-aroclor 1260	0.0246U	0.026U	0.0263U	0.0258U	0.0250U	0.000007
PCB-aroclor 1262	0.0246U	0.026U	0.0263U	0.0258U	0.0250U	0.000007
PCB-aroclor 1268	0.0246U	0.026U	0.0263U	0.0258U	0.0250U	0.000007

Table L4. PCB aroclor results (µg/L) from well MW-4, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
PCB-aroclor 1016	0.0253U	0.0246U	0.025U	0.0255U	0.0249U	0.000007
PCB-aroclor 1221	0.0253U	0.0246U	0.025U	0.0255U	0.0249U	0.000007
PCB-aroclor 1232	0.0253U	0.0246U	0.025U	0.0255U	0.0249U	0.000007
PCB-aroclor 1242	0.0253U	0.0246U	0.025U	0.0255U	0.0249U	0.000007
PCB-aroclor 1248	0.0253U	0.0246U	0.025U	0.0255U	0.0249U	0.000007
PCB-aroclor 1254	0.0253U	0.0246U	0.025U	0.0255U	0.0249U	0.000007
PCB-aroclor 1260	0.0253U	0.0246U	0.025U	0.0255U	0.0249U	0.000007
PCB-aroclor 1262	0.0253U	0.0246U	0.025U	0.0255U	0.0249U	0.000007
PCB-aroclor 1268	0.0253U	0.0246U	0.025U	0.0255U	0.0249U	0.000007

Table L5. PCB aroclor results (µg/L) from well MW-5, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
PCB-aroclor 1016	0.0254U	0.0251U	0.0262U	0.0248U	0.0253U	0.000007
PCB-aroclor 1221	0.0254U	0.0251U	0.0262U	0.0248U	0.0253U	0.000007
PCB-aroclor 1232	0.0254U	0.0251U	0.0262U	0.0248U	0.0253U	0.000007
PCB-aroclor 1242	0.0254U	0.0251U	0.0262U	0.0248U	0.0253U	0.000007
PCB-aroclor 1248	0.0254U	0.0251U	0.0262U	0.0248U	0.0253U	0.000007
PCB-aroclor 1254	0.0254U	0.0251U	0.0262U	0.0248U	0.0253U	0.000007
PCB-aroclor 1260	0.0254U	0.0251U	0.0262U	0.0248U	0.0253U	0.000007
PCB-aroclor 1262	0.0254U	0.0251U	0.0262U	0.0248U	0.0253U	0.000007
PCB-aroclor 1268	0.0254U	0.0251U	0.0262U	0.0248U	0.0253U	0.000007

Table L6. PCB aroclor results (µg/L) from well MW-6, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
PCB-aroclor 1016	0.0245U	0.025U	0.0258U	0.0250U	0.0251U	0.000007
PCB-aroclor 1221	0.0245U	0.025U	0.0258U	0.0250U	0.0251U	0.000007
PCB-aroclor 1232	0.0245U	0.025U	0.0258U	0.0250U	0.0251U	0.000007
PCB-aroclor 1242	0.0245U	0.025U	0.0258U	0.0250U	0.0251U	0.000007
PCB-aroclor 1248	0.0245U	0.025U	0.0258U	0.0250U	0.0251U	0.000007
PCB-aroclor 1254	0.0245U	0.025U	0.0258U	0.0250U	0.0251U	0.000007
PCB-aroclor 1260	0.0245U	0.025U	0.0258U	0.0250U	0.0251U	0.000007
PCB-aroclor 1262	0.0245U	0.025U	0.0258U	0.0250U	0.0251U	0.000007
PCB-aroclor 1268	0.0245U	0.025U	0.0258U	0.0250U	0.0251U	0.000007

Table L7. PCB aroclor results (µg/L) from well MW-7, February 2020 to April 2021.

Analyte	Feb 20	Aug 20	Oct 20	Jan 21	Apr 21	PCUL
PCB-aroclor 1016	0.0266U	0.0258U	0.0263U	0.0249U	0.0254U	0.000007
PCB-aroclor 1221	0.0266U	0.0258U	0.105UJ	0.0249U	0.0254U	0.000007
PCB-aroclor 1232	0.0266U	0.0258U	0.0263U	0.0249U	0.0254U	0.000007
PCB-aroclor 1242	0.0266U	0.0258U	0.0263U	0.0249U	0.0254U	0.000007
PCB-aroclor 1248	0.0266U	0.0258U	0.0263U	0.0249U	0.0254U	0.000007
PCB-aroclor 1254	0.0266U	0.0258U	0.0263U	0.0249U	0.0254U	0.000007
PCB-aroclor 1260	0.0266U	0.0258U	0.0263U	0.0249U	0.0254U	0.000007
PCB-aroclor 1262	0.0266U	0.0258U	0.0263U	0.0249U	0.0254U	0.000007
PCB-aroclor 1268	0.0266U	0.0258U	0.0263U	0.0249U	0.0254U	0.000007

Appendix L. PCB Congeners

Analytical data for high resolution PCB congeners for each well from August 2020 to April 2021 at the May Creek Landfill. SGS AXYS Laboratories in Sidney, British Columbia performed all analyses. All results are given in pg/L.

The following qualifiers and abbreviations are used in the tables:

UJ: Analyte was not detected at or above the reported estimate.

J: Analyte was positively identified. The reported result is an estimate.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate. For regulatory purposes, this is not considered a positive detection.

NUJ: There is evidence the analyte is present in the sample. Tentatively identified analyte was not detected at or above the reported estimate.

--: Not sampled

PCUL: Preliminary cleanup level.

na: A PCUL has not been assigned for this analyte.

Bold: Analyte positively identified in sample.

Column Shaded: Total positively identified analytes in sample present at a concentration above the 7 pg/L PCUL.

Table L8. PCB congener results (pg/L) for all monitoring wells, August 2020.

PCB Congener	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PCB-001	1.42 UJ	1.61 UJ	1.4 UJ	*1.46 NJ*	1.5 UJ	1.82 UJ	1.54 UJ
PCB-002	0.814 NUJ	1.1 NUJ	0.875 NUJ	1.19 UJ	1.17 UJ	1 UJ	1.1 UJ
PCB-003	2.08 UJ	3.11 UJ	1.96 NUJ	3.08 NUJ	2.62 NUJ	2.44 NUJ	2.86 NUJ
PCB-004	2.23 UJ	2.14 UJ	2.52 UJ	2.05 UJ	3.05 UJ	2.14 UJ	2.25 UJ
PCB-005	0.808 UJ	1.23 UJ	0.772 UJ	0.62 UJ	0.622 UJ	0.688 UJ	0.667 UJ
PCB-006	**1.65 J**	1.97 NUJ	1.63 UJ	1.78 UJ	1.72 NUJ	1.84 NUJ	1.78 UJ
PCB-007	0.823 UJ	**33.6 J**	1.45 NUJ	**18.1 J**	3.22 UJ	1.37 NUJ	1.53 UJ
PCB-008	6.26 UJ	7.06 UJ	6.94 UJ	6.55 UJ	6.46 UJ	6.61 UJ	7.25 UJ
PCB-009	0.721 UJ	1.1 UJ	0.689 UJ	*0.618 NJ*	0.543 UJ	*0.675 NJ*	*0.724 NJ*
PCB-010	0.732 UJ	1.12 UJ	0.699 UJ	0.555 UJ	0.555 UJ	0.614 UJ	0.596 UJ
PCB-011	13.3 UJ	14.8 UJ	14.5 UJ	15 UJ	15.8 UJ	17.6 NUJ	19.3 NUJ
PCB-012/013	*0.958 NJ*	1.26 UJ	*0.875 NJ*	1.31 UJ	*1.27 NJ*	1.21 UJ	1.07 UJ
PCB-014	0.77 UJ	1.17 UJ	0.735 UJ	0.572 UJ	0.573 UJ	0.635 UJ	0.615 UJ
PCB-015	4.08 UJ	4.35 UJ	4.63 UJ	4.18 UJ	4.25 UJ	3.87 UJ	4.21 UJ
PCB-016	3.84 NUJ	4.48 UJ	4.22 UJ	4.09 NUJ	3.5 UJ	3.8 UJ	3.46 NUJ
PCB-017	3.47 UJ	4.39 UJ	3.59 UJ	*3.57 NJ*	3.53 UJ	3.78 UJ	3.78 UJ
PCB-018/030	6.31 UJ	7.11 UJ	7.03 UJ	6.35 UJ	*6.01 NJ*	6.23 UJ	7.5 UJ
PCB-019	0.951 NUJ	1.1 NUJ	1.1 NUJ	0.856 NUJ	2.08 UJ	0.842 NUJ	1.24 UJ
PCB-020/028	10.2 UJ	11.5 UJ	10.7 UJ	10.2 UJ	10.3 UJ	10.8 UJ	11.8 UJ
PCB-021/033	7.22 UJ	7.59 UJ	7.37 UJ	6.79 UJ	6.71 UJ	7.07 UJ	7.35 UJ
PCB-022	4.5 UJ	4.67 UJ	4.83 UJ	4.14 UJ	4.16 UJ	4.47 UJ	4.76 UJ
PCB-023	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-024	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-025	1.05 UJ	0.974 NUJ	0.984 UJ	0.942 NUJ	1.07 UJ	1.07 UJ	1.03 UJ
PCB-026/029	1.88 UJ	1.99 UJ	1.82 UJ	1.7 UJ	1.75 UJ	1.7 UJ	2.01 UJ
PCB-027	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-031	8.47 UJ	9.75 UJ	9.18 UJ	8.16 UJ	8.21 UJ	8.96 UJ	10.2 UJ
PCB-032	*2.34 NJ*	2.52 UJ	2.46 UJ	2.15 UJ	2.08 UJ	2.44 UJ	*2.5 NJ*
PCB-034	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-035	0.558 UJ	0.562 UJ	0.562 UJ	*0.705 NJ*	**0.597 J**	0.549 UJ	0.592 UJ
PCB-036	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-037	2.44 UJ	2.59 UJ	2.4 UJ	2.63 UJ	2.39 UJ	2.63 UJ	2.55 UJ
PCB-038	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-039	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-040/041/071	3.38 UJ	3.84 UJ	3.98 UJ	3.21 UJ	3.21 UJ	3.78 UJ	3.67 UJ
PCB-042	1.84 UJ	2.55 UJ	*2.1 NJ*	*1.56 NJ*	*1.39 NJ*	1.54 UJ	1.95 UJ
PCB-043	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-044/047/065	38.1 UJ	52.1 UJ	49.5 UJ	37.5 UJ	69.2 UJ	58.4 UJ	61.3 UJ
PCB-045/051	9.18 UJ	12.8 UJ	11.8 UJ	8.74 UJ	15.4 UJ	13.1 UJ	13.7 UJ
PCB-046	0.558 UJ	*0.933 NJ*	0.74 UJ	0.742 UJ	0.543 UJ	*0.682 NJ*	0.592 UJ
PCB-048	1.59 UJ	2.12 UJ	1.98 UJ	1.71 NUJ	1.44 UJ	1.4 UJ	1.85 UJ

PCB Congener	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PCB-049/069	4.14 UJ	*5.25 NJ*	4.43 UJ	4.07 UJ	3.86 UJ	4.44 UJ	5 UJ
PCB-050/053	1.18 UJ	1.64 UJ	1.28 UJ	1.09 NUJ	1.32 UJ	1.29 UJ	1.43 NUJ
PCB-052	7.3 UJ	9.76 UJ	7.88 UJ	7.46 UJ	7.28 UJ	8.42 UJ	9.08 UJ
PCB-054	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-055	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-056	*0.858 NJ*	1.3 UJ	0.704 UJ	1.48 UJ	0.954 UJ	1.16 UJ	1.03 UJ
PCB-057	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-058	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-059/062/075	0.594 NUJ	0.903 UJ	0.613 NUJ	0.865 NUJ	0.814 UJ	0.761 UJ	1.03 UJ
PCB-060	0.637 UJ	0.855 NUJ	0.562 UJ	0.992 NUJ	0.701 UJ	0.632 UJ	0.592 UJ
PCB-061/070/074/076	4.51 UJ	6.86 UJ	5.23 UJ	5.26 UJ	5.87 UJ	6.39 UJ	6.18 UJ
PCB-063	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-064	2.6 NUJ	3.48 UJ	2.58 NUJ	2.74 UJ	2.58 UJ	2.53 UJ	2.93 UJ
PCB-066	1.65 UJ	3.29 UJ	2.09 UJ	2.09 UJ	2.41 UJ	2.31 UJ	2.64 UJ
PCB-067	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-068	*1.68 NJ*	1.86 UJ	*2.03 NJ*	1.98 UJ	2.66 UJ	2.55 UJ	2.33 UJ
PCB-072	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-073	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-077	0.843 NUJ	0.916 NUJ	0.616 NUJ	1.1 UJ	0.71 NUJ	0.564 UJ	0.813 NUJ
PCB-078	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-079	0.558 UJ	0.562 UJ	0.562 UJ	**0.616 J**	0.543 UJ	0.549 UJ	0.592 UJ
PCB-080	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-081	0.558 UJ	0.584 UJ	0.562 UJ	0.712 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-082	0.558 UJ	*0.905 NJ*	**0.638 J**	*0.613 NJ*	0.543 UJ	*0.63 NJ*	**1.07 J**
PCB-083/099	2.3 NUJ	4.58 NUJ	2.03 NUJ	3.31 UJ	2.96 NUJ	4.47 UJ	4.54 UJ
PCB-084	0.799 NUJ	3.64 NUJ	1.49 NUJ	1.49 NUJ	1.26 NUJ	1.4 NUJ	2.53 NUJ
PCB-085/116/117	0.61 UJ	1.8 UJ	0.784 UJ	1.25 NUJ	0.946 UJ	1.1 NUJ	1.19 UJ
PCB-086/087/097/109/119/125	3.09 NUJ	6.53 UJ	3.57 NUJ	5 UJ	3.89 UJ	4.91 UJ	5.49 UJ
PCB-088/091	0.558 UJ	1.4 NUJ	0.596 NUJ	0.913 NUJ	0.815 NUJ	0.659 UJ	1.08 UJ
PCB-089	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-090/101/113	3.91 UJ	7.58 UJ	3.65 NUJ	8.12 NUJ	6.04 NUJ	8.11 UJ	8.31 UJ
PCB-092	0.558 UJ	2.19 UJ	0.954 UJ	1.16 NUJ	0.782 UJ	1.16 UJ	2.12 UJ
PCB-093/095/098/100/102	3.67 UJ	11 UJ	4.22 UJ	5.15 UJ	4.11 UJ	6.06 UJ	8.85 UJ
PCB-094	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-096	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-103	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-104	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-105	2.24 NUJ	3.21 UJ	1.64 UJ	2.56 UJ	2.45 UJ	2.97 UJ	2.74 UJ
PCB-106	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-107	0.558 UJ	0.562 UJ	0.562 UJ	*0.573 NJ*	0.543 UJ	0.549 UJ	0.592 UJ

PCB Congener	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PCB-108/124	0.558 UJ	*0.571 NJ*	0.562 UJ	*0.622 NJ*	0.543 UJ	**0.56 J**	0.592 UJ
PCB-110/115	4 UJ	*9.63 NJ*	4.23 UJ	6.69 UJ	5.27 UJ	6.65 UJ	9.69 UJ
PCB-111	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-112	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-114	0.558 UJ	0.562 UJ	0.562 UJ	0.891 UJ	0.651 UJ	0.549 UJ	0.592 UJ
PCB-118	4.95 UJ	6.76 UJ	3.78 UJ	5.53 UJ	4.77 UJ	7.65 UJ	6.06 UJ
PCB-120	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-121	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-122	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-123	0.558 UJ	0.562 UJ	0.562 UJ	*0.692 NJ*	0.543 UJ	0.549 UJ	0.592 UJ
PCB-126	0.558 UJ	0.562 UJ	0.562 UJ	*0.618 NJ*	0.543 UJ	0.549 UJ	0.592 UJ
PCB-127	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-128/166	0.784 NUJ	1.35 UJ	0.628 UJ	1.41 UJ	0.822 NUJ	1.22 UJ	1.29 UJ
PCB-129/138/160/163	5.92 UJ	7.16 UJ	3.86 UJ	6.39 UJ	6.87 NUJ	9.07 UJ	8.37 UJ
PCB-130	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	*0.615 NJ*	0.549 UJ	0.592 UJ
PCB-131	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-132	1.29 NUJ	2.83 UJ	1.55 NUJ	1.71 UJ	1.51 NUJ	1.59 NUJ	2.45 UJ
PCB-133	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-134/143	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-135/151/154	1.17 NUJ	2.39 UJ	1.28 NUJ	1.76 NUJ	1.55 UJ	1.68 UJ	2.32 UJ
PCB-136	0.558 UJ	**1.24 J**	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	**0.845 J**
PCB-137	0.558 UJ	*0.792 NJ*	0.562 UJ	*1.14 NJ*	0.543 UJ	*0.665 NJ*	0.592 UJ
PCB-139/140	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-141	0.803 UJ	1.63 UJ	0.751 NUJ	1.32 NUJ	1.15 NUJ	2.23 NUJ	1.67 NUJ
PCB-142	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-144	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-145	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-146	0.604 NUJ	0.891 NUJ	0.594 NUJ	0.852 NUJ	1.22 NUJ	1.11 NUJ	1.39 NUJ
PCB-147/149	2.64 UJ	4.78 NUJ	2.81 UJ	3.85 NUJ	3.32 UJ	4.07 UJ	5.12 NUJ
PCB-148	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-150	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-152	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-153/168	4.22 UJ	4.83 UJ	3.1 UJ	6.73 UJ	6.01 UJ	9.6 UJ	6.87 UJ
PCB-155	0.558 UJ	0.562 UJ	0.562 UJ	*0.863 NJ*	0.543 UJ	0.549 UJ	0.592 UJ
PCB-156/157	1.02 UJ	1.29 NUJ	0.842 NUJ	2.09 NUJ	1.41 NUJ	1.45 UJ	1.21 UJ
PCB-158	0.558 UJ	0.562 UJ	0.562 UJ	0.735 UJ	0.713 UJ	0.684 UJ	**0.749 J**
PCB-159	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-161	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-162	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-164	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-165	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-167	0.558 UJ	0.562 UJ	0.562 UJ	0.625 NUJ	0.784 UJ	0.586 NUJ	0.644 UJ

PCB Congener	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PCB-169	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-170	1.44 NUJ	0.867 NUJ	0.598 NUJ	0.97 UJ	1.3 UJ	1.66 NUJ	1.15 NUJ
PCB-171/173	*0.629 NJ*	0.562 UJ	0.562 UJ	*0.614 NJ*	0.543 UJ	0.549 UJ	0.592 UJ
PCB-172	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-174	0.662 NUJ	0.904 NUJ	0.919 NUJ	0.813 NUJ	0.768 NUJ	0.965 NUJ	1.05 UJ
PCB-175	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-176	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-177	0.558 UJ	0.562 UJ	0.562 UJ	0.967 NUJ	0.688 NUJ	0.549 UJ	0.775 NUJ
PCB-178	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-179	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-180/193	1.79 NUJ	1.86 UJ	1.5 NUJ	3.8 UJ	3.05 UJ	4.43 NUJ	4 UJ
PCB-181	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-182	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-183/185	0.725 UJ	1.73 UJ	0.562 UJ	0.859 NUJ	0.794 NUJ	0.683 UJ	0.816 NUJ
PCB-184	0.558 UJ	0.562 UJ	0.562 UJ	*0.926 NJ*	0.543 UJ	0.549 UJ	0.592 UJ
PCB-186	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-187	1.38 UJ	1.11 NUJ	0.562 UJ	1.18 NUJ	1.5 NUJ	1.66 NUJ	1.9 NUJ
PCB-188	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-189	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-190	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-191	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-192	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-194	0.558 UJ	*0.566 NJ*	0.562 UJ	*0.772 NJ*	**0.636 J**	*0.663 NJ*	0.592 UJ
PCB-195	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-196	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-197/200	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-198/199	0.558 UJ	0.562 UJ	0.562 UJ	1.1 UJ	0.677 UJ	0.549 UJ	0.823 NUJ
PCB-201	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-202	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-203	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-204	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-205	0.558 UJ	0.562 UJ	0.562 UJ	0.555 UJ	0.543 UJ	0.549 UJ	0.592 UJ
PCB-206	*0.862 NJ*	0.849 UJ	0.707 UJ	0.666 UJ	0.791 UJ	0.778 UJ	0.762 UJ
PCB-207	0.611 UJ	0.599 UJ	0.562 UJ	0.555 UJ	0.551 UJ	0.551 UJ	0.592 UJ
PCB-208	0.675 UJ	0.648 UJ	0.562 UJ	0.555 UJ	0.593 UJ	0.6 UJ	0.592 UJ
PCB-209	1.26 UJ	1.15 NUJ	1.05 UJ	1.43 NUJ	1.33 NUJ	1.63 UJ	1.95 NUJ

Table L9. PCB congener results (pg/L) for all monitoring wells, October 2020.

PCB Congener	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PCB-001	2.59 UJ	2.2 UJ	1.99 UJ	2.21 UJ	1.27 UJ	2.38 UJ	2.61 UJ
PCB-002	1.24 UJ	1.03 UJ	1.22 UJ	0.915 UJ	1.09 UJ	1.03 UJ	1.29 UJ
PCB-003	2.77 UJ	2.51 UJ	3.13 UJ	2.48 UJ	1.91 UJ	2.36 UJ	2.38 UJ
PCB-004	3.08 UJ	2.85 UJ	2.91 UJ	1.91 UJ	2.06 UJ	4.46 UJ	6.1 UJ
PCB-005	1.4 UJ	1.21 UJ	1.35 UJ	1.39 UJ	1.06 UJ	1.17 UJ	1.15 UJ
PCB-006	1.8 UJ	1.57 UJ	1.88 NUJ	1.29 UJ	1.24 NUJ	1.77 NUJ	2.35 UJ
PCB-007	1.78 UJ	4.8 UJ	2.54 NUJ	1.33 UJ	1.24 NUJ	2.05 UJ	1.12 UJ
PCB-008	7.3 UJ	5.01 UJ	6.11 UJ	4.06 UJ	5.28 UJ	7.55 UJ	8.63 UJ
PCB-009	1.23 UJ	1.07 UJ	1.2 UJ	1.24 UJ	0.938 UJ	1.04 UJ	1.01 UJ
PCB-010	1.27 UJ	1.1 UJ	1.23 UJ	1.27 UJ	0.964 UJ	1.07 UJ	1.04 UJ
PCB-011	19.3 UJ	8.19 UJ	15 UJ	12 UJ	10.6 UJ	12.9 UJ	10.6 UJ
PCB-012/013	1.41 UJ	1.23 UJ	1.37 UJ	1.42 UJ	1.08 UJ	1.19 UJ	1.16 UJ
PCB-014	1.36 UJ	1.18 UJ	1.32 UJ	1.35 UJ	1.03 UJ	1.14 UJ	1.12 UJ
PCB-015	3.15 UJ	3.45 UJ	3.34 UJ	2.63 UJ	2.44 UJ	3.37 UJ	3.3 UJ
PCB-016	1.98 UJ	1.61 NUJ	1.57 NUJ	1.37 NUJ	2.7 NUJ	2.36 UJ	2.69 NUJ
PCB-017	2.25 UJ	1.52 UJ	2.26 UJ	1.95 UJ	2.07 NUJ	3.14 UJ	3.32 NUJ
PCB-018/030	4.49 UJ	3.13 UJ	4.19 UJ	2.7 UJ	3.72 UJ	4.48 UJ	5.02 UJ
PCB-019	*0.737 NJ*	1.61 NJ	**0.592 J**	0.75 NJ	*0.993 NJ*	*1.06 NJ*	**1.18 J**
PCB-020/028	6.03 UJ	4.66 UJ	5.67 UJ	5.18 UJ	5.55 UJ	5.44 UJ	5.68 UJ
PCB-021/033	4.42 UJ	3.37 UJ	4.19 UJ	3.35 UJ	3.84 UJ	4.66 UJ	3.97 UJ
PCB-022	2.53 UJ	1.94 UJ	2.16 UJ	1.87 UJ	2.29 UJ	2.22 UJ	2.48 UJ
PCB-023	0.578 UJ	**0.949 J**	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-024	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-025	0.711 UJ	0.576 UJ	0.735 UJ	0.68 UJ	0.646 UJ	0.642 UJ	0.649 UJ
PCB-026/029	0.961 UJ	0.734 UJ	1.21 UJ	0.699 UJ	0.982 UJ	1.08 UJ	1.02 UJ
PCB-027	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-031	4.62 UJ	3.6 UJ	4.4 UJ	3.45 UJ	4.82 UJ	4.46 UJ	4.91 UJ
PCB-032	1.26 UJ	1 NUJ	1.21 UJ	0.943 UJ	1.09 UJ	1.45 UJ	1.86 UJ
PCB-034	0.578 UJ	*0.87 NJ*	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-035	*0.763 NJ*	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-036	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-037	2.1 UJ	1.83 UJ	2.16 UJ	1.91 UJ	1.69 UJ	1.78 UJ	2.02 UJ
PCB-038	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-039	*1.24 NJ*	0.529 UJ	**0.761 J**	1.26 NJ	**0.64 J**	**1.15 J**	0.572 UJ
PCB-040/041/071	2.6 UJ	1.56 NUJ	2.15 UJ	2.1 NUJ	2.1 UJ	1.88 NUJ	2.42 NUJ
PCB-042	**1.02 J**	*1.38 NJ*	**0.813 J**	0.881 UJ	*0.975 NJ*	**0.891 J**	*1.49 NJ*
PCB-043	0.65 UJ	0.529 UJ	0.535 UJ	1.05 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-044/047/065	87.7 UJ	60.1 UJ	79.8 UJ	42.2 UJ	63.8 UJ	70.5 UJ	55.7 UJ
PCB-045/051	13.9 UJ	12.8 UJ	16.1 UJ	8.22 UJ	12 UJ	14.7 UJ	13.6 UJ
PCB-046	0.614 UJ	0.529 UJ	0.532 UJ	0.946 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-048	0.732 NUJ	0.531 NUJ	0.733 NUJ	0.843 UJ	0.55 UJ	0.767 NUJ	0.911 UJ

PCB Congener	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PCB-049/069	2.54 UJ	2.47 UJ	2.89 UJ	3.35 UJ	2.67 UJ	2.87 UJ	4.1 UJ
PCB-050/053	0.578 UJ	0.792 UJ	0.934 UJ	0.772 UJ	0.745 UJ	1.02 UJ	0.903 UJ
PCB-052	3.28 UJ	4.87 UJ	3.09 UJ	5.19 NUJ	4.76 NUJ	5.04 UJ	6.82 NUJ
PCB-054	0.578 UJ	**0.911 J**	0.532 UJ	0.578 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-055	0.668 UJ	0.772 UJ	0.805 UJ	0.876 UJ	0.637 UJ	0.678 UJ	0.654 UJ
PCB-056	1.56 UJ	0.795 UJ	0.971 UJ	0.915 UJ	0.898 UJ	0.93 UJ	1.01 UJ
PCB-057	0.594 UJ	0.686 UJ	0.715 UJ	0.776 UJ	0.566 UJ	0.602 UJ	0.581 UJ
PCB-058	0.624 UJ	0.722 UJ	0.753 UJ	0.83 UJ	0.595 UJ	0.634 UJ	0.611 UJ
PCB-059/062/075	0.578 UJ	0.529 UJ	0.532 UJ	0.686 NUJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-060	*0.704 NJ*	0.772 UJ	0.804 UJ	0.889 UJ	0.636 UJ	0.677 UJ	0.653 UJ
PCB-061/070/074/076	5.04 UJ	3.94 UJ	4.03 UJ	5.37 UJ	3.96 UJ	4.27 UJ	4.85 UJ
PCB-063	0.585 UJ	0.677 UJ	0.705 UJ	0.769 UJ	0.558 UJ	0.594 UJ	0.573 UJ
PCB-064	1.5 UJ	1.49 UJ	1.51 UJ	2.27 UJ	1.41 UJ	1.42 UJ	1.31 UJ
PCB-066	2.11 UJ	1.69 UJ	1.38 UJ	2.48 UJ	1.98 UJ	2.01 UJ	2.5 UJ
PCB-067	0.578 UJ	0.599 UJ	0.624 UJ	0.664 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-068	4.56 UJ	2.65 UJ	3.49 UJ	3.14 UJ	2.75 UJ	3.03 UJ	2.28 UJ
PCB-072	0.585 UJ	0.677 UJ	0.706 UJ	0.78 UJ	0.558 UJ	0.594 UJ	0.573 UJ
PCB-073	0.578 UJ	0.529 UJ	0.532 UJ	0.615 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-077	1.36 UJ	1.16 UJ	1.14 UJ	1.58 NUJ	0.93 NUJ	1.01 NUJ	0.76 NUJ
PCB-078	0.655 UJ	0.757 UJ	0.789 UJ	0.877 UJ	0.624 UJ	0.665 UJ	0.641 UJ
PCB-079	0.578 UJ	0.581 UJ	0.606 UJ	0.682 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-080	0.578 UJ	0.644 UJ	0.671 UJ	0.747 UJ	0.55 UJ	0.565 UJ	0.572 UJ
PCB-081	0.662 UJ	0.807 UJ	0.843 UJ	0.995 UJ	0.67 UJ	0.722 UJ	0.706 UJ
PCB-082	*0.627 NJ*	*1.14 NJ*	0.532 UJ	0.694 NUJ	*0.55 NJ*	*0.774 NJ*	**2.15 J**
PCB-083/099	2.25 UJ	3.26 UJ	2.07 UJ	3.72 UJ	3.37 UJ	3.55 UJ	**6.85 J**
PCB-084	*1.65 NJ*	*1.24 NJ*	**0.898 J**	2.91 UJ	**2.17 J**	*0.915 NJ*	**5.44 J**
PCB-085/116/117	1.29 NUJ	1.33 UJ	1.1 NUJ	2.76 NUJ	2.01 NUJ	1.92 NUJ	4.55 NUJ
PCB-086/087/097/109/119/125	4.38 UJ	5.15 UJ	2.17 UJ	4.01 UJ	4.23 NUJ	3.66 NUJ	10.4 UJ
PCB-088/091	0.578 UJ	*0.71 NJ*	0.532 UJ	**0.966 J**	*0.943 NJ*	0.545 UJ	**2.33 J**
PCB-089	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-090/101/113	4.45 UJ	7.33 UJ	2.87 UJ	4.26 UJ	6.42 UJ	5.24 UJ	**17 J**
PCB-092	**0.914 J**	*0.699 NJ*	**0.652 J**	1.17 NJ	*1.69 NJ*	0.545 UJ	**3.26 J**
PCB-093/095/098/100/102	4.11 UJ	4.72 UJ	3.41 NUJ	9.17 UJ	6.55 UJ	3.83 UJ	**17.3 J**
PCB-094	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-096	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-103	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-104	0.578 UJ	*0.576 NJ*	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-105	4.1 UJ	3.26 NUJ	2.46 NUJ	2.92 UJ	3.07 NUJ	2.85 UJ	5 UJ
PCB-106	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-107	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	*1.01 NJ*
PCB-108/124	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	*0.824 NJ*	0.545 UJ	*1.54 NJ*

PCB Congener	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PCB-110/115	6.64 UJ	7.02 UJ	4.29 UJ	8.46 UJ	7.99 UJ	5.36 UJ	**19.5 J**
PCB-111	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-112	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-114	*0.74 NJ*	*0.596 NJ*	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-118	6.51 UJ	7.23 UJ	3.53 UJ	6.42 UJ	7.88 UJ	7.05 UJ	14.1 UJ
PCB-120	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-121	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-122	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-123	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	*1.41 NJ*
PCB-126	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-127	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-128/166	1.69 UJ	1.42 UJ	0.532 UJ	0.99 UJ	1.29 UJ	0.983 UJ	3.83 UJ
PCB-129/138/160/163	8.02 UJ	6.64 UJ	4.09 NUJ	5.16 UJ	7.66 UJ	6.83 UJ	**21.3 J**
PCB-130	*0.729 NJ*	0.529 UJ	0.532 UJ	0.557 UJ	*0.847 NJ*	0.545 UJ	*1.51 NJ*
PCB-131	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-132	*2.95 NJ*	*2.26 NJ*	*1.11 NJ*	2.51 UJ	**2.61 J**	*1.87 NJ*	**6.39 J**
PCB-133	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-134/143	0.578 UJ	*0.649 NJ*	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	***0.914 NJ***
PCB-135/151/154	1.82 UJ	1.08 UJ	1.54 NUJ	2.34 NUJ	2 UJ	1.15 NUJ	***5.26 NJ***
PCB-136	*0.897 NJ*	0.529 UJ	*0.839 NJ*	0.728 NUJ	**0.681 J**	0.545 UJ	**2.3 J**
PCB-137	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	**0.611 J**	0.545 UJ	**2.4 J**
PCB-139/140	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-141	*1.18 NJ*	**0.939 J**	0.532 UJ	0.674 NJ	**2.23 J**	*1.09 NJ*	*5.24 NJ*
PCB-142	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-144	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	*0.638 NJ*
PCB-145	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-146	**0.948 J**	*1.29 NJ*	0.532 UJ	0.935 UJ	*1.31 NJ*	*0.749 NJ*	**3.37 J**
PCB-147/149	5.06 UJ	3.36 NUJ	2.67 UJ	2.62 NUJ	5.31 UJ	2.48 UJ	**13.2 J**
PCB-148	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-150	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-152	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-153/168	4.55 UJ	5.36 UJ	2.42 UJ	3.77 UJ	**9.44 J**	7.35 UJ	**23.2 J**
PCB-155	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-156/157	2.08 NUJ	1.28 NUJ	0.904 NUJ	1.15 NUJ	1.54 NUJ	1.07 NUJ	3.81 NUJ
PCB-158	**0.971 J**	0.529 UJ	0.532 UJ	0.761 NJ	**0.76 J**	*0.593 NJ*	**1.94 J**
PCB-159	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-161	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-162	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-164	0.578 UJ	0.529 UJ	0.532 UJ	0.601 NJ	**0.672 J**	0.545 UJ	***1.03 NJ***
PCB-165	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-167	**0.794 J**	*0.536 NJ*	0.532 UJ	0.557 UJ	*0.98 NJ*	*0.737 NJ*	**3.03 J**
PCB-169	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-170	2.11 UJ	1.51 UJ	0.532 UJ	0.715 UJ	1.83 UJ	1.14 UJ	**4.39 J**

PCB Congener	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PCB-171/173	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	**1 J**
PCB-172	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	*0.973 NJ*
PCB-174	**2.7 J**	*1.02 NJ*	*0.78 NJ*	1.17 UJ	**1.08 J**	0.545 UJ	**2.57 J**
PCB-175	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-176	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-177	**1.24 J**	*0.634 NJ*	**0.795 J**	0.557 UJ	*0.602 NJ*	0.545 UJ	**1.51 J**
PCB-178	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-179	**0.844 J**	0.529 UJ	0.532 UJ	0.557 UJ	**0.74 J**	0.545 UJ	*0.956 NJ*
PCB-180/193	5.45 NUJ	2.45 UJ	2.13 NUJ	1.3 NUJ	6.11 UJ	3.64 UJ	**15.8 J**
PCB-181	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-182	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-183/185	*1.8 NJ*	**0.571 J**	0.532 UJ	0.663 NJ	*0.683 NJ*	0.545 UJ	*2.33 NJ*
PCB-184	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-186	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-187	**3.12 J**	*1.16 NJ*	*0.809 NJ*	0.898 NJ	**1.42 J**	*1.36 NJ*	**3.82 J**
PCB-188	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-189	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-190	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-191	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-192	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-194	**2.22 J**	**0.609 J**	0.532 UJ	0.619 NJ	*0.751 NJ*	*0.96 NJ*	**2.01 J**
PCB-195	*0.639 NJ*	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-196	*0.778 NJ*	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-197/200	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-198/199	**2.87 J**	0.529 UJ	0.532 UJ	0.557 UJ	1.01 UJ	0.545 UJ	1.29 UJ
PCB-201	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-202	**0.884 J**	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-203	*1.43 NJ*	*0.546 NJ*	0.532 UJ	0.557 UJ	*0.783 NJ*	0.545 UJ	*1.65 NJ*
PCB-204	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-205	0.578 UJ	0.529 UJ	0.532 UJ	0.557 UJ	0.55 UJ	0.545 UJ	0.572 UJ
PCB-206	*2.58 NJ*	1.66 UJ	1.85 UJ	2.54 UJ	1.46 UJ	2.25 UJ	1.94 UJ
PCB-207	1.3 UJ	1.21 UJ	1.31 UJ	1.87 UJ	1.06 UJ	1.55 UJ	1.36 UJ
PCB-208	1.42 UJ	1.36 UJ	1.43 UJ	1.97 UJ	1.19 UJ	1.65 UJ	1.47 UJ
PCB-209	**1.42 J**	*1.44 NJ*	**1.46 J**	1.25 NUJ	**1.09 J**	*1.7 NJ*	*1.48 NJ*

Table L10. PCB congener results (pg/L) for all monitoring wells, January 2021.

PCB Congener	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PCB-001	3.57 UJ	2.5 UJ	1.31 UJ	2.45 UJ	3.97 UJ	1.42 UJ	4.28 UJ
PCB-002	0.715 UJ	1.04 UJ	0.774 NUJ	1.22 UJ	1.01 UJ	0.674 UJ	1.01 NUJ
PCB-003	1.91 UJ	2.89 UJ	1.62 UJ	2.53 UJ	1.78 UJ	1.13 UJ	2.04 UJ
PCB-004	3.55 UJ	*4.89 NJ*	3.95 UJ	**5.9 J**	5.4 UJ	3.89 UJ	4 UJ
PCB-005	2.85 UJ	3.16 UJ	3 UJ	2.21 UJ	3.89 UJ	3.11 UJ	2.76 UJ
PCB-006	2.58 UJ	2.85 UJ	2.72 UJ	2 UJ	3.51 UJ	2.82 UJ	2.49 UJ
PCB-007	2.64 UJ	2.92 UJ	2.77 UJ	2.04 UJ	3.59 UJ	2.88 UJ	2.55 UJ
PCB-008	10.1 UJ	4.62 UJ	4.89 UJ	9.39 UJ	5.26 UJ	5.19 NUJ	7.87 UJ
PCB-009	2.62 UJ	2.89 UJ	2.75 UJ	2.03 UJ	3.56 UJ	2.85 UJ	2.53 UJ
PCB-010	2.63 UJ	2.9 UJ	2.76 UJ	2.03 UJ	3.57 UJ	2.86 UJ	2.54 UJ
PCB-011	11.5 UJ	16.2 UJ	18.5 UJ	**90.5 J**	14.2 UJ	13.4 UJ	12.7 UJ
PCB-012/013	2.88 UJ	3.19 UJ	3.03 UJ	2.23 UJ	3.93 UJ	3.15 UJ	2.78 UJ
PCB-014	2.77 UJ	3.06 UJ	2.92 UJ	2.15 UJ	3.77 UJ	3.02 UJ	2.68 UJ
PCB-015	3.71 UJ	4.65 UJ	3.75 UJ	7.14 UJ	4.7 UJ	4.03 UJ	3.23 UJ
PCB-016	4.62 UJ	3.04 UJ	2.02 NUJ	3.74 UJ	2.29 NUJ	2.52 UJ	4.16 NUJ
PCB-017	3.61 NUJ	2.72 UJ	1.22 NUJ	4.79 UJ	1.37 NUJ	1.83 UJ	2.25 NUJ
PCB-018/030	7.65 UJ	4.25 UJ	3.44 UJ	7.32 UJ	3.51 UJ	5.47 UJ	8.01 UJ
PCB-019	1.04 UJ	2.57 UJ	0.561 UJ	2.44 UJ	1.03 UJ	0.734 UJ	1.26 UJ
PCB-020/028	13.2 UJ	8.63 UJ	6.24 UJ	17.2 UJ	7.46 UJ	7.73 UJ	12.9 UJ
PCB-021/033	9.04 UJ	4.41 UJ	3.8 UJ	9.99 UJ	4.13 UJ	4.12 UJ	7.38 UJ
PCB-022	5.75 UJ	3.52 UJ	3.19 UJ	7.68 UJ	2.62 UJ	3.72 UJ	5.89 UJ
PCB-023	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.703 UJ	0.548 UJ	0.549 UJ
PCB-024	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.555 UJ	0.548 UJ	0.549 UJ
PCB-025	**0.803 J**	*0.578 NJ*	0.559 UJ	**1.35 J**	0.567 UJ	0.548 UJ	*0.837 NJ*
PCB-026/029	2.39 UJ	1.61 UJ	1.15 UJ	2.97 UJ	1.09 UJ	1.54 UJ	2.05 UJ
PCB-027	*1.05 NJ*	0.546 UJ	0.559 UJ	**0.841 J**	0.554 UJ	0.548 UJ	0.549 UJ
PCB-031	12 UJ	8.66 UJ	4.75 UJ	14.4 UJ	6.02 UJ	9.89 UJ	12.8 UJ
PCB-032	2.26 UJ	1.73 UJ	0.975 UJ	3.08 UJ	1.38 UJ	1.95 UJ	2.68 UJ
PCB-034	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.709 UJ	0.548 UJ	0.549 UJ
PCB-035	0.537 UJ	0.546 UJ	0.559 UJ	**2.83 J**	0.767 UJ	0.548 UJ	0.549 UJ
PCB-036	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.697 UJ	0.548 UJ	0.549 UJ
PCB-037	2.62 UJ	2.85 UJ	1.81 UJ	5.01 UJ	2.17 UJ	2.28 UJ	2.1 UJ
PCB-038	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.686 UJ	0.548 UJ	0.549 UJ
PCB-039	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.677 UJ	0.548 UJ	0.549 UJ
PCB-040/041/071	6.37 UJ	5.79 UJ	2.58 UJ	6.82 UJ	4.13 NUJ	3.56 UJ	7.44 NUJ
PCB-042	2.55 UJ	2.14 UJ	0.813 UJ	3.42 UJ	1.78 UJ	1.83 UJ	2.42 UJ
PCB-043	0.771 UJ	0.732 UJ	0.559 UJ	0.681 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-044/047/065	9.34 UJ	9.95 UJ	4.97 UJ	**29 J**	7.92 UJ	7.86 UJ	12.2 UJ
PCB-045/051	2.45 UJ	2.91 UJ	0.858 NUJ	*5.73 NJ*	1.86 NUJ	1.44 NUJ	1.99 UJ
PCB-046	**0.751 J**	*0.929 NJ*	0.559 UJ	*1 NJ*	*0.571 NJ*	0.548 UJ	*0.747 NJ*
PCB-048	1.36 UJ	0.896 UJ	0.699 NUJ	1.35 NUJ	1.28 NUJ	1.1 UJ	1.21 NUJ

PCB Congener	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PCB-049/069	4.75 UJ	5.28 UJ	1.64 UJ	7.78 UJ	2.71 UJ	5.59 UJ	5.51 UJ
PCB-050/053	1.44 UJ	1.64 UJ	0.559 UJ	1.82 UJ	0.554 UJ	0.71 UJ	1.44 UJ
PCB-052	11.8 UJ	14.1 UJ	4.26 NUJ	14.3 UJ	6.01 UJ	13.3 UJ	15.3 UJ
PCB-054	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-055	0.729 UJ	0.705 UJ	0.559 UJ	0.781 UJ	0.574 UJ	0.605 UJ	0.585 UJ
PCB-056	5.24 NUJ	3.48 NUJ	1.31 NUJ	6.11 UJ	2.13 NUJ	2.73 UJ	6.59 UJ
PCB-057	0.672 UJ	0.651 UJ	0.559 UJ	0.721 UJ	0.554 UJ	0.558 UJ	0.549 UJ
PCB-058	0.706 UJ	0.684 UJ	0.559 UJ	0.757 UJ	0.556 UJ	0.586 UJ	0.567 UJ
PCB-059/062/075	*1.03 NJ*	*1.24 NJ*	0.559 UJ	*0.606 NJ*	*0.986 NJ*	0.548 UJ	*1.32 NJ*
PCB-060	2.8 UJ	1.55 UJ	0.559 UJ	3.19 UJ	1.17 NUJ	2.01 UJ	3.16 UJ
PCB-061/070/074/076	17.4 UJ	17 UJ	5.5 UJ	22.1 UJ	9.05 UJ	15.1 UJ	22.6 UJ
PCB-063	0.673 UJ	0.651 UJ	0.559 UJ	0.721 UJ	0.554 UJ	0.558 UJ	0.549 UJ
PCB-064	4.87 UJ	4.85 UJ	1.14 UJ	4.71 UJ	2.47 UJ	2.6 UJ	5.82 UJ
PCB-066	7.66 UJ	0.657 UJ	2.48 UJ	10.3 UJ	4.14 UJ	5.28 UJ	10 UJ
PCB-067	0.594 UJ	0.575 UJ	0.559 UJ	0.636 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-068	0.661 UJ	0.639 UJ	0.559 UJ	**2.21 J**	0.554 UJ	0.548 UJ	0.549 UJ
PCB-072	0.665 UJ	0.644 UJ	0.559 UJ	0.713 UJ	0.554 UJ	0.552 UJ	0.549 UJ
PCB-073	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-077	13.5 UJ	5.45 UJ	2.44 UJ	8.15 UJ	4.29 UJ	3.52 UJ	20.7 UJ
PCB-078	0.702 UJ	0.68 UJ	0.559 UJ	0.753 UJ	0.554 UJ	0.583 UJ	0.564 UJ
PCB-079	0.597 UJ	0.578 UJ	0.559 UJ	0.64 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-080	0.633 UJ	0.613 UJ	0.559 UJ	0.678 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-081	0.741 UJ	0.693 UJ	0.559 UJ	0.761 UJ	0.554 UJ	0.59 UJ	0.576 UJ
PCB-082	1.24 NUJ	2.09 NUJ	0.765 UJ	2.72 NUJ	0.81 UJ	1.48 NUJ	2.54 NUJ
PCB-083/099	5.39 UJ	10.6 UJ	2.25 UJ	9.18 UJ	3.41 UJ	10.8 UJ	8.96 UJ
PCB-084	2.76 UJ	3.76 UJ	1.05 UJ	4.61 UJ	1.46 UJ	2.3 UJ	5.26 UJ
PCB-085/116/117	2.31 NUJ	**4.11 J**	1.03 UJ	3.12 UJ	1.3 NUJ	2.46 NUJ	3.06 NUJ
PCB-086/087/097/109/119/125	8.86 UJ	**17 J**	3 NUJ	**13.3 J**	5.28 UJ	11.7 UJ	11.7 UJ
PCB-088/091	1.44 NUJ	1.92 NUJ	0.559 UJ	2.36 UJ	0.567 UJ	1.42 NUJ	3.24 UJ
PCB-089	0.604 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.599 UJ	0.548 UJ	0.549 UJ
PCB-090/101/113	11.7 UJ	**25.2 J**	3.47 UJ	18.9 UJ	7.71 UJ	**27.2 J**	18.9 UJ
PCB-092	2.15 NUJ	**3.26 J**	0.559 UJ	**3.36 J**	0.579 UJ	2.41 NUJ	*3.65 NJ*
PCB-093/095/098/100/102	9.4 UJ	12.4 UJ	3.77 UJ	13.8 UJ	6.18 UJ	7.44 UJ	**18.1 J**
PCB-094	0.623 UJ	0.552 UJ	0.559 UJ	0.555 UJ	0.619 UJ	0.548 UJ	0.549 UJ
PCB-096	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-103	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-104	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-105	4.5 UJ	11.7 UJ	2.12 UJ	8.72 UJ	3.1 UJ	9.29 UJ	8.08 UJ
PCB-106	0.677 UJ	0.769 UJ	0.559 UJ	0.555 UJ	0.699 UJ	0.548 UJ	0.549 UJ
PCB-107	**1.04 J**	*1.8 NJ*	0.559 UJ	**0.936 J**	0.691 UJ	*1.7 NJ*	*1.07 NJ*
PCB-108/124	0.696 UJ	*1.29 NJ*	0.559 UJ	*0.757 NJ*	0.719 UJ	*0.823 NJ*	**0.833 J**

PCB Congener	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PCB-110/115	12.4 UJ	24.1 UJ	4.32 UJ	20.8 UJ	7.39 UJ	12.7 UJ	21.8 UJ
PCB-111	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-112	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-114	0.742 UJ	0.836 UJ	0.559 UJ	*0.637 NJ*	0.751 UJ	*0.889 NJ*	0.557 UJ
PCB-118	12.1 UJ	**29.3 J**	4.07 UJ	15.8 UJ	6.99 UJ	**29.6 J**	18 UJ
PCB-120	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-121	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-122	0.739 UJ	0.84 UJ	0.559 UJ	0.594 UJ	0.764 UJ	0.548 UJ	0.549 UJ
PCB-123	0.778 UJ	0.864 UJ	0.559 UJ	0.612 UJ	0.772 UJ	0.548 UJ	*0.627 NJ*
PCB-126	0.866 UJ	0.931 UJ	0.565 UJ	0.655 UJ	0.793 UJ	0.548 UJ	0.614 UJ
PCB-127	0.703 UJ	0.799 UJ	0.559 UJ	0.565 UJ	0.726 UJ	0.548 UJ	0.549 UJ
PCB-128/166	2.22 NUJ	4.75 UJ	0.66 UJ	2.72 UJ	0.961 NUJ	3.33 NUJ	4.41 UJ
PCB-129/138/160/163	18.2 UJ	**34.2 J**	5.02 UJ	22 UJ	9.06 UJ	**33.4 J**	26 UJ
PCB-130	0.964 UJ	*1.39 NJ*	0.661 UJ	**1.25 J**	0.717 UJ	*1.48 NJ*	*1.45 NJ*
PCB-131	0.926 UJ	0.838 UJ	0.635 UJ	0.675 UJ	0.688 UJ	0.975 UJ	0.887 UJ
PCB-132	6.33 UJ	6.23 UJ	1.79 UJ	6.2 UJ	2.37 UJ	3.69 UJ	9.52 UJ
PCB-133	0.89 UJ	0.806 UJ	0.61 UJ	0.649 UJ	0.662 UJ	0.938 UJ	0.853 UJ
PCB-134/143	0.903 UJ	**1.03 J**	0.619 UJ	0.658 UJ	0.671 UJ	0.951 UJ	0.865 UJ
PCB-135/151/154	7.09 UJ	4.91 UJ	1.02 UJ	5.96 UJ	2.85 UJ	3.49 UJ	10.1 UJ
PCB-136	1.7 UJ	1.76 NUJ	0.559 UJ	2.71 NUJ	0.93 NUJ	0.675 NUJ	3.38 UJ
PCB-137	0.868 UJ	**1.19 J**	0.595 UJ	*1.16 NJ*	0.645 UJ	**1.77 J**	*1.86 NJ*
PCB-139/140	0.816 UJ	0.739 UJ	0.56 UJ	0.596 UJ	0.607 UJ	0.86 UJ	0.782 UJ
PCB-141	4.16 NUJ	*7.44 NJ*	0.852 UJ	4.24 NUJ	1.46 UJ	*7.18 NJ*	**8.75 J**
PCB-142	0.897 UJ	0.812 UJ	0.615 UJ	0.654 UJ	0.667 UJ	0.945 UJ	0.86 UJ
PCB-144	*0.659 NJ*	*1.24 NJ*	0.559 UJ	*1.13 NJ*	0.554 UJ	*0.638 NJ*	*1.28 NJ*
PCB-145	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-146	2.63 NUJ	4.35 NUJ	1.06 UJ	3.09 UJ	1.46 UJ	4.99 NUJ	4.02 NUJ
PCB-147/149	13 UJ	12.6 UJ	4.27 UJ	13.9 UJ	4.91 UJ	8.53 UJ	19.2 UJ
PCB-148	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-150	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-152	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-153/168	16.3 UJ	**35.8 J**	4.95 UJ	18.9 UJ	9.56 UJ	**43.3 J**	**26.3 J**
PCB-155	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-156/157	2.67 NUJ	**5.39 J**	0.686 NUJ	1.96 NUJ	0.758 UJ	4.66 UJ	4.18 NUJ
PCB-158	1.47 UJ	2.31 UJ	0.743 NUJ	2.34 UJ	0.554 UJ	0.895 NUJ	2.53 NUJ
PCB-159	0.643 UJ	0.582 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.678 UJ	0.616 UJ
PCB-161	0.626 UJ	0.566 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.659 UJ	0.6 UJ
PCB-162	0.648 UJ	0.586 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.682 UJ	0.621 UJ
PCB-164	1.16 UJ	0.973 NUJ	0.559 UJ	1.4 NUJ	0.638 NUJ	1.1 NUJ	1.86 UJ
PCB-165	0.729 UJ	0.66 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.768 UJ	0.699 UJ
PCB-167	0.612 UJ	**1.91 J**	0.559 UJ	**0.936 J**	0.554 UJ	*1.79 NJ*	*1.04 NJ*
PCB-169	0.706 UJ	0.638 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.753 UJ	0.693 UJ
PCB-170	5.29 UJ	4.57 NUJ	0.559 UJ	4.05 UJ	1.52 NUJ	4.23 NUJ	**11.2 J**

PCB Congener	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PCB-171/173	1.52 UJ	0.964 NUJ	0.559 UJ	0.878 NUJ	0.555 UJ	0.771 NUJ	*2.94 NJ*
PCB-172	*1.77 NJ*	**0.75 J**	0.559 UJ	0.555 UJ	0.567 UJ	*0.767 NJ*	*2.28 NJ*
PCB-174	5.84 UJ	2.95 UJ	0.559 UJ	4.6 UJ	1.65 UJ	1.75 UJ	7.99 UJ
PCB-175	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-176	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	**1.17 J**
PCB-177	3.22 UJ	1.49 NUJ	0.559 UJ	2.69 NUJ	0.761 NUJ	1.87 NUJ	**4.7 J**
PCB-178	*1.24 NJ*	*0.985 NJ*	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	**1.63 J**
PCB-179	2.68 UJ	1.63 UJ	0.559 UJ	2.03 UJ	0.554 UJ	0.873 UJ	**4.27 J**
PCB-180/193	19.4 UJ	20 UJ	2.55 UJ	12.8 UJ	5.58 UJ	17.1 UJ	**35.5 J**
PCB-181	0.54 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-182	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-183/185	**5.37 J**	2.42 NUJ	0.637 NUJ	3.69 NUJ	1.62 NUJ	1.73 NUJ	**6.18 J**
PCB-184	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-186	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-187	8.82 UJ	5.73 NUJ	1.55 UJ	6.59 NUJ	2.72 UJ	3.4 NUJ	9.99 UJ
PCB-188	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-189	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	*0.615 NJ*
PCB-190	**0.954 J**	*1.58 NJ*	0.559 UJ	**0.676 J**	0.554 UJ	*0.609 NJ*	**1.69 J**
PCB-191	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-192	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-194	**4.42 J**	2.77 NUJ	0.559 UJ	2.78 NUJ	1.59 NUJ	1.97 UJ	*12.2 NJ*
PCB-195	*1.58 NJ*	*0.68 NJ*	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	**2.13 J**
PCB-196	*1.92 NJ*	**1.01 J**	0.559 UJ	**1.41 J**	0.554 UJ	0.548 UJ	*2.88 NJ*
PCB-197/200	**0.849 J**	0.546 UJ	0.559 UJ	*0.647 NJ*	0.554 UJ	0.548 UJ	**0.802 J**
PCB-198/199	*4.47 NJ*	2.64 NUJ	0.677 NUJ	3.1 UJ	1.67 UJ	0.97 NUJ	**5.43 J**
PCB-201	*0.553 NJ*	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-202	**0.79 J**	*0.638 NJ*	0.559 UJ	**0.927 J**	0.554 UJ	0.548 UJ	*1.25 NJ*
PCB-203	2.84 NUJ	1.82 NUJ	0.559 UJ	1.76 UJ	0.642 NUJ	1.24 NUJ	**4.03 J**
PCB-204	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 NUJ	0.548 UJ	0.549 UJ
PCB-205	0.537 UJ	0.546 UJ	0.559 UJ	0.555 UJ	0.554 UJ	0.548 UJ	0.549 UJ
PCB-206	*1.45 NJ*	*1.38 NJ*	0.645 UJ	0.799 UJ	1.1 UJ	0.78 UJ	**2.19 J**
PCB-207	0.903 UJ	0.578 UJ	0.559 UJ	0.579 UJ	0.794 UJ	0.556 UJ	0.549 UJ
PCB-208	0.893 UJ	*0.593 NJ*	0.559 UJ	**0.654 J**	0.793 UJ	0.552 UJ	*0.599 NJ*
PCB-209	10.9 UJ	6.43 UJ	1.86 NUJ	6.15 UJ	2.76 NUJ	2.88 NUJ	**16 J**

Table L11. PCB congener results (pg/L) for all monitoring wells, April 2021.

PCB Congener	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PCB-001	1.14 UJ	1.56 UJ	1.19 UJ	1.54 UJ	1.24 UJ	1.93 UJ	1.22 NUJ
PCB-002	0.602 UJ	0.641 NUJ	0.565 UJ	0.739 NUJ	0.61 NUJ	0.65 NUJ	0.556 UJ
PCB-003	1.62 UJ	1.77 UJ	1.6 UJ	1.64 UJ	1.87 UJ	1.94 UJ	1.43 UJ
PCB-004	2.23 UJ	*2.76 NJ*	2.17 UJ	2.35 UJ	2.27 UJ	1.79 NUJ	2.29 UJ
PCB-005	1.58 UJ	1.4 UJ	1.53 UJ	1.79 UJ	1.65 UJ	1.24 UJ	1.58 UJ
PCB-006	1.41 UJ	1.25 UJ	1.37 UJ	1.6 UJ	1.47 UJ	*1.36 NJ*	1.41 UJ
PCB-007	1.46 NUJ	1.28 UJ	1.39 UJ	1.64 UJ	1.5 UJ	20.9 UJ	1.44 UJ
PCB-008	2.93 NUJ	3.48 UJ	3.07 UJ	4.27 NUJ	3.41 UJ	3.57 NUJ	2.76 NUJ
PCB-009	1.37 UJ	1.22 UJ	1.32 UJ	1.56 UJ	1.43 UJ	1.08 UJ	1.37 UJ
PCB-010	1.38 UJ	1.22 UJ	1.33 UJ	1.57 UJ	1.44 UJ	1.09 UJ	1.38 UJ
PCB-011	7.74 UJ	9.71 UJ	8.65 UJ	18.4 UJ	8.05 UJ	10.3 UJ	8.05 UJ
PCB-012/013	1.59 UJ	1.41 UJ	1.54 UJ	1.81 UJ	1.66 UJ	1.25 UJ	1.59 UJ
PCB-014	1.5 UJ	1.33 UJ	1.45 UJ	1.7 UJ	1.57 UJ	1.18 UJ	1.5 UJ
PCB-015	*1.83 NJ*	**1.98 J**	**2 J**	2.16 UJ	1.92 UJ	1.44 UJ	1.78 UJ
PCB-016	1.61 UJ	2.12 UJ	1.43 UJ	1.48 UJ	1.78 UJ	1.42 UJ	1.23 UJ
PCB-017	1.4 UJ	1.5 NUJ	1.82 NUJ	1.81 NUJ	1.88 NUJ	1.49 NUJ	1.48 UJ
PCB-018/030	3.09 UJ	3.93 UJ	2.66 UJ	3.19 UJ	3.35 UJ	3.81 UJ	2.42 UJ
PCB-019	0.545 UJ	*1.32 NJ*	*0.747 NJ*	0.662 NUJ	1.03 NUJ	0.746 NUJ	**0.71 J**
PCB-020/028	3.27 UJ	3.89 UJ	3.14 UJ	3.74 UJ	3.82 UJ	4.24 UJ	3.13 UJ
PCB-021/033	2.06 NUJ	2.31 UJ	1.82 UJ	1.94 UJ	2.16 UJ	2.22 UJ	1.93 UJ
PCB-022	1.24 NUJ	1.57 UJ	1.32 UJ	1.42 UJ	1.44 NUJ	1.54 NUJ	1.04 UJ
PCB-023	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-024	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-025	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-026/029	0.545 UJ	0.721 UJ	0.565 UJ	0.729 UJ	0.659 NUJ	0.897 UJ	0.676 NUJ
PCB-027	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-031	2.59 UJ	4.16 UJ	2.78 UJ	3.5 UJ	3.05 UJ	4.54 UJ	2.79 UJ
PCB-032	0.689 UJ	1.04 UJ	0.897 UJ	0.827 UJ	1.04 UJ	1.17 UJ	0.759 UJ
PCB-034	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-035	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-036	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-037	0.703 NUJ	1.07 UJ	0.681 NUJ	1.33 NUJ	0.819 NUJ	1.21 UJ	0.77 UJ
PCB-038	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-039	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-040/041/071	1.33 UJ	2.47 UJ	1.01 UJ	1.69 UJ	2.02 UJ	2.1 UJ	1.56 UJ
PCB-042	0.825 NUJ	1.29 NUJ	0.908 NUJ	0.655 NUJ	0.826 NUJ	0.913 NUJ	0.542 UJ
PCB-043	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-044/047/065	9.68 UJ	15.6 UJ	13.2 UJ	11.2 UJ	14 NUJ	13.4 UJ	12.3 UJ
PCB-045/051	1.51 UJ	2.71 NUJ	1.78 NUJ	1.63 NUJ	2.4 UJ	2.1 NUJ	1.75 UJ
PCB-046	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-048	0.545 UJ	0.719 UJ	0.862 UJ	0.601 UJ	0.614 UJ	0.891 UJ	0.542 UJ

PCB Congener	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PCB-049/069	1.54 UJ	3.42 UJ	1.18 UJ	1.88 UJ	1.78 UJ	3.46 UJ	1.8 UJ
PCB-050/053	0.545 UJ	**1.06 J**	0.565 UJ	0.535 UJ	*0.541 NJ*	**0.63 J**	0.542 UJ
PCB-052	2.49 UJ	7.09 UJ	2.72 UJ	3.83 UJ	4.75 UJ	8.17 UJ	3.79 UJ
PCB-054	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-055	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-056	0.545 UJ	0.986 NUJ	0.565 UJ	0.962 NUJ	0.978 NUJ	1.07 NUJ	0.632 NUJ
PCB-057	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-058	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-059/062/075	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-060	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	*0.583 NJ*	0.542 UJ
PCB-061/070/074/076	2.21 UJ	5.46 UJ	2.04 UJ	3.23 UJ	2.74 UJ	6.86 UJ	2.71 UJ
PCB-063	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-064	0.965 UJ	2.12 UJ	0.862 UJ	1.5 UJ	1.46 UJ	1.76 UJ	0.953 UJ
PCB-066	1.11 UJ	2.25 UJ	0.827 UJ	1.67 UJ	1.44 UJ	2.64 UJ	1.29 UJ
PCB-067	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-068	0.795 UJ	0.828 UJ	0.58 UJ	0.799 UJ	0.705 UJ	0.639 UJ	0.751 UJ
PCB-072	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-073	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-077	1.1 NUJ	0.721 UJ	0.565 UJ	0.836 NUJ	0.691 NUJ	0.712 NUJ	0.736 NUJ
PCB-078	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-079	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-080	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-081	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-082	0.545 UJ	0.551 UJ	0.565 UJ	*0.71 NJ*	0.533 UJ	**0.836 J**	0.542 UJ
PCB-083/099	1.35 UJ	4.16 UJ	1.23 NUJ	3.04 UJ	2.47 NUJ	**6.5 J**	3.05 NUJ
PCB-084	0.554 UJ	0.935 NUJ	0.869 UJ	1.49 UJ	1.3 NUJ	1.21 UJ	1.57 NUJ
PCB-085/116/117	0.545 UJ	*1.02 NJ*	0.565 UJ	**1.09 J**	0.533 UJ	*1.21 NJ*	*1.02 NJ*
PCB-086/087/097/109/119/125	1.4 NUJ	5.52 UJ	1.75 NUJ	3.81 UJ	2.4 UJ	6.74 UJ	3.42 NUJ
PCB-088/091	0.545 UJ	*0.855 NJ*	*0.616 NJ*	*0.552 NJ*	0.533 UJ	**0.595 J**	*0.72 NJ*
PCB-089	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-090/101/113	1.92 NUJ	**11 J**	2.32 UJ	5.94 UJ	4.57 UJ	**15.8 J**	5.37 UJ
PCB-092	0.545 UJ	*1.51 NJ*	0.565 UJ	1.15 UJ	0.748 UJ	1.8 UJ	*1.82 NJ*
PCB-093/095/098/100/102	1.66 UJ	5.61 UJ	1.93 UJ	3.92 UJ	3.89 UJ	4.35 UJ	5.7 UJ
PCB-094	0.547 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-096	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-103	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-104	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-105	0.814 NUJ	3.3 NUJ	1.14 NUJ	2.3 UJ	1.73 UJ	**4.66 J**	1.39 NUJ
PCB-106	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-107	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	**0.744 J**	0.542 UJ
PCB-108/124	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	*0.767 NJ*	0.542 UJ

PCB Congener	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PCB-110/115	1.57 UJ	7.4 UJ	2.04 UJ	5.9 UJ	4.25 UJ	7.47 UJ	6.03 UJ
PCB-111	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-112	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-114	0.545 UJ	*0.594 NJ*	0.565 UJ	0.535 UJ	0.533 UJ	0.59 NUJ	0.542 UJ
PCB-118	2.02 UJ	**9.63 J**	1.89 UJ	4.46 UJ	3.91 UJ	**15.9 J**	3.69 UJ
PCB-120	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-121	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-122	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-123	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-126	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-127	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-128/166	0.545 UJ	1.36 NUJ	0.565 UJ	1.14 NUJ	0.864 NUJ	1.3 NUJ	2.03 NUJ
PCB-129/138/160/163	1.99 UJ	11.3 UJ	2.75 UJ	5.97 UJ	5.35 UJ	18.1 UJ	11 UJ
PCB-130	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	*1.04 NJ*	*0.664 NJ*
PCB-131	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-132	0.545 UJ	1.45 UJ	0.761 NUJ	1.83 NUJ	0.949 NUJ	2.03 NUJ	2.41 NUJ
PCB-133	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-134/143	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-135/151/154	0.634 NUJ	1.45 UJ	0.565 UJ	1.93 UJ	1.3 NUJ	2.37 UJ	3.2 UJ
PCB-136	0.545 UJ	0.551 UJ	0.565 UJ	*0.765 NJ*	0.533 UJ	0.545 UJ	*0.759 NJ*
PCB-137	0.545 UJ	*0.946 NJ*	0.565 UJ	0.535 UJ	0.533 UJ	*1.12 NJ*	*0.808 NJ*
PCB-139/140	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-141	0.545 UJ	*2.28 NJ*	0.565 UJ	*0.905 NJ*	*0.951 NJ*	*3.51 NJ*	*1.3 NJ*
PCB-142	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-144	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-145	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-146	0.545 UJ	*1.33 NJ*	0.565 UJ	**0.971 J**	**0.991 J**	**2.59 J**	**1.65 J**
PCB-147/149	0.951 UJ	3.08 UJ	1.38 UJ	3.9 UJ	2.26 NUJ	3.97 NUJ	6.57 UJ
PCB-148	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-150	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-152	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-153/168	1.96 UJ	*11.9 NJ*	2.62 UJ	4.8 UJ	5.66 UJ	**24 J**	10.6 UJ
PCB-155	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-156/157	0.545 UJ	*1.47 NJ*	0.565 UJ	**1.06 J**	*1.22 NJ*	**2.92 J**	**1.07 J**
PCB-158	0.545 UJ	*0.606 NJ*	0.565 UJ	*0.578 NJ*	0.533 UJ	*0.614 NJ*	*0.971 NJ*
PCB-159	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-161	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-162	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-164	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-165	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-167	0.545 UJ	*0.638 NJ*	0.565 UJ	0.535 UJ	0.533 UJ	*1.07 NJ*	0.542 UJ
PCB-169	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-170	0.545 UJ	1.49 NUJ	0.736 NUJ	0.688 NUJ	0.533 UJ	2.12 UJ	2.13 NUJ

PCB Congener	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
PCB-171/173	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	*0.809 NJ*
PCB-172	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	*0.59 NJ*	0.542 UJ
PCB-174	0.545 UJ	*0.846 NJ*	0.565 UJ	**0.592 J**	*0.582 NJ*	*0.801 NJ*	*2 NJ*
PCB-175	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-176	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-177	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	**1.19 J**
PCB-178	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	*0.64 NJ*
PCB-179	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	**0.659 J**
PCB-180/193	1.55 UJ	6.35 UJ	1.69 UJ	2.83 UJ	3.22 UJ	9.58 UJ	8.99 UJ
PCB-181	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-182	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-183/185	0.545 UJ	*0.969 NJ*	0.565 UJ	*0.657 NJ*	*0.687 NJ*	*1.16 NJ*	*1.48 NJ*
PCB-184	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-186	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-187	0.679 UJ	1.56 UJ	0.952 UJ	1.26 UJ	1.28 UJ	1.46 UJ	3.72 UJ
PCB-188	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-189	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-190	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-191	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-192	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-194	0.545 UJ	*0.778 NJ*	0.565 UJ	0.535 UJ	*0.64 NJ*	*0.902 NJ*	*1.55 NJ*
PCB-195	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-196	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	*0.756 NJ*
PCB-197/200	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-198/199	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	1.61 NUJ
PCB-201	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-202	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-203	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	*1.14 NJ*
PCB-204	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-205	0.545 UJ	0.551 UJ	0.565 UJ	0.535 UJ	0.533 UJ	0.545 UJ	0.542 UJ
PCB-206	1.36 UJ	1.41 UJ	1.5 UJ	1.16 UJ	1.52 UJ	1.21 UJ	1.52 UJ
PCB-207	0.95 UJ	0.968 UJ	1.03 UJ	0.791 UJ	1.05 UJ	0.836 UJ	1.06 UJ
PCB-208	1 UJ	1.01 UJ	1.07 UJ	0.812 UJ	1.09 UJ	0.872 UJ	1.12 UJ
PCB-209	1.57 UJ	1.32 UJ	1.71 UJ	1.59 UJ	1.97 UJ	1.09 UJ	1.68 UJ

Appendix M. Dioxins/Furans

Analytical data for high resolution dibenzo-*p*-dioxins and dibenzon-furans for each well from August 2020 to April 2021 at the May Creek Landfill. SGS AXYS Laboratories in Sidney, British Columbia performed all analyses. All results are given in pg/L.

The following qualifiers and abbreviations are used in the tables:

UJ: Analyte was not detected at or above the reported estimate.

J: Analyte was positively identified. The reported result is an estimate.

NJ: There is evidence that the analyte is present in the sample. Reported result for the tentatively identified analyte is an estimate. For regulatory purposes, this is not considered a positive detection.

NUJ: There is evidence the analyte is present in the sample. Tentatively identified analyte was not detected at or above the reported estimate.

--: Not sampled

PCUL: Preliminary cleanup level.

na: A PCUL has not been assigned for this analyte.

Bold: Analyte positively identified in sample.

Table M1. Dioxins/Furans results (pg/L) for monitoring wells MW-1, MW-5, and MW-7, August 2020.

Dioxin/Furan	MW-1	MW-5	MW-7
1,2,3,4,6,7,8-HpCDD	0.538 UJ	0.936 NUJ	0.996 J
1,2,3,4,6,7,8-HpCDF	0.538 UJ	**0.736 J**	0.559 UJ
1,2,3,4,7,8-HxCDD	0.538 UJ	0.541 UJ	0.559 UJ
1,2,3,4,7,8-HxCDF	0.538 UJ	0.541 UJ	0.559 UJ
1,2,3,4,7,8,9-HpCDF	0.538 UJ	0.541 UJ	0.559 UJ
1,2,3,6,7,8-HxCDD	0.538 UJ	0.541 UJ	0.559 UJ
1,2,3,6,7,8-HxCDF	0.538 UJ	0.541 UJ	0.559 UJ
1,2,3,7,8-PeCDD	0.538 UJ	**0.713 J**	0.559 UJ
1,2,3,7,8-PeCDF	0.538 UJ	0.995 UJ	0.559 UJ
1,2,3,7,8,9-HxCDD	0.538 UJ	0.541 UJ	0.559 UJ
1,2,3,7,8,9-HxCDF	0.576 UJ	0.789 NUJ	0.744 NUJ
2,3,4,6,7,8-HxCDF	0.538 UJ	0.541 UJ	0.559 UJ
2,3,4,7,8-PeCDF	0.538 UJ	0.541 UJ	0.559 UJ
2,3,7,8-TCDD	0.538 UJ	*0.577 NJ*	0.559 UJ
2,3,7,8-TCDF	0.538 UJ	0.541 UJ	0.559 UJ
OCDD	0.933 UJ	2.15 UJ	2.97 UJ
OCDF	0.538 UJ	1 UJ	0.559 UJ

Table M2. Dioxins/Furans results (pg/L) for monitoring wells MW-1, MW-5, and MW-7, October 2020.

Dioxin/Furan	MW-1	MW-5	MW-7
1,2,3,4,6,7,8-HpCDD	0.552 UJ	*0.657 NJ*	**1.4 J**
1,2,3,4,6,7,8-HpCDF	0.552 UJ	0.543 UJ	0.587 UJ
1,2,3,4,7,8-HxCDD	0.552 UJ	0.543 UJ	0.587 UJ
1,2,3,4,7,8-HxCDF	0.552 UJ	0.543 UJ	0.587 UJ
1,2,3,4,7,8,9-HpCDF	0.552 UJ	0.543 UJ	0.587 UJ
1,2,3,6,7,8-HxCDD	0.552 UJ	0.543 UJ	0.587 UJ
1,2,3,6,7,8-HxCDF	0.552 UJ	0.543 UJ	0.587 UJ
1,2,3,7,8-PeCDD	0.552 UJ	0.543 UJ	0.587 UJ
1,2,3,7,8-PeCDF	0.552 UJ	0.543 UJ	0.587 UJ
1,2,3,7,8,9-HxCDD	0.552 UJ	0.543 UJ	0.587 UJ
1,2,3,7,8,9-HxCDF	0.552 UJ	0.642 UJ	0.697 NUJ
2,3,4,6,7,8-HxCDF	0.552 UJ	0.543 UJ	0.587 UJ
2,3,4,7,8-PeCDF	0.552 UJ	0.543 UJ	0.587 UJ
2,3,7,8-TCDD	0.552 UJ	0.543 UJ	0.587 UJ
2,3,7,8-TCDF	0.552 UJ	0.543 UJ	0.587 UJ
OCDD	0.684 UJ	2.8 UJ	**6.89 J**
OCDF	0.552 UJ	0.543 UJ	*0.825 NJ*

Table M3. Dioxins/Furans results (pg/L) for monitoring wells MW-1, MW-5, and MW-7, January 2021.

Dioxin/Furan	MW-1	MW-5	MW-7
1,2,3,4,6,7,8-HpCDD	0.549 UJ	0.678 UJ	1.37 UJ
1,2,3,4,6,7,8-HpCDF	0.549 UJ	0.544 UJ	0.551 UJ
1,2,3,4,7,8-HxCDD	0.549 UJ	0.544 UJ	0.551 UJ
1,2,3,4,7,8-HxCDF	0.549 UJ	0.544 UJ	0.551 UJ
1,2,3,4,7,8,9-HpCDF	0.549 UJ	0.544 UJ	0.551 UJ
1,2,3,6,7,8-HxCDD	0.549 UJ	0.544 UJ	0.551 UJ
1,2,3,6,7,8-HxCDF	0.549 UJ	0.544 UJ	0.551 UJ
1,2,3,7,8-PeCDD	0.549 UJ	0.544 UJ	0.551 UJ
1,2,3,7,8-PeCDF	0.549 UJ	0.544 UJ	0.551 UJ
1,2,3,7,8,9-HxCDD	0.549 UJ	0.544 UJ	0.551 UJ
1,2,3,7,8,9-HxCDF	0.588 UJ	0.659 NUJ	0.585 NUJ
2,3,4,6,7,8-HxCDF	0.549 UJ	0.544 UJ	0.551 UJ
2,3,4,7,8-PeCDF	0.549 UJ	0.544 UJ	0.551 UJ
2,3,7,8-TCDD	0.549 UJ	0.544 UJ	0.551 UJ
2,3,7,8-TCDF	0.549 UJ	0.544 UJ	0.551 UJ
OCDD	0.641 UJ	1.42 UJ	**6.36 J**
OCDF	0.549 UJ	0.544 UJ	0.551 UJ

Table M4. Dioxins/Furans results (pg/L) for monitoring wells MW-1, MW-5, and MW-7, April 2021.

Dioxin/Furan	MW-1	MW-5	MW-7
1,2,3,4,6,7,8-HpCDD	0.864 UJ	1.16 UJ	2.05 UJ
1,2,3,4,6,7,8-HpCDF	0.533 UJ	0.604 UJ	0.514 UJ
1,2,3,4,7,8-HxCDD	0.533 UJ	0.547 UJ	0.514 UJ
1,2,3,4,7,8-HxCDF	0.533 UJ	0.547 UJ	0.514 UJ
1,2,3,4,7,8,9-HpCDF	0.533 UJ	0.604 UJ	0.514 UJ
1,2,3,6,7,8-HxCDD	0.533 UJ	0.547 UJ	0.514 UJ
1,2,3,6,7,8-HxCDF	0.533 UJ	0.547 UJ	0.514 UJ
1,2,3,7,8-PeCDD	0.533 UJ	0.547 UJ	0.514 UJ
1,2,3,7,8-PeCDF	0.533 UJ	0.547 UJ	0.514 UJ
1,2,3,7,8,9-HxCDD	0.533 UJ	0.547 UJ	0.514 UJ
1,2,3,7,8,9-HxCDF	0.533 UJ	0.547 UJ	0.514 UJ
2,3,4,6,7,8-HxCDF	0.533 UJ	0.547 UJ	0.514 UJ
2,3,4,7,8-PeCDF	0.533 UJ	0.547 UJ	0.514 UJ
2,3,7,8-TCDD	0.533 UJ	0.547 UJ	0.514 UJ
2,3,7,8-TCDF	0.533 UJ	0.547 UJ	0.514 UJ
OCDD	0.894 UJ	2.79 UJ	**12.5 J**
OCDF	0.533 UJ	0.547 UJ	*0.716 NJ*