
Appendix A11.1

Hydrographs



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Tionscadal Éireann
Project Ireland
2040



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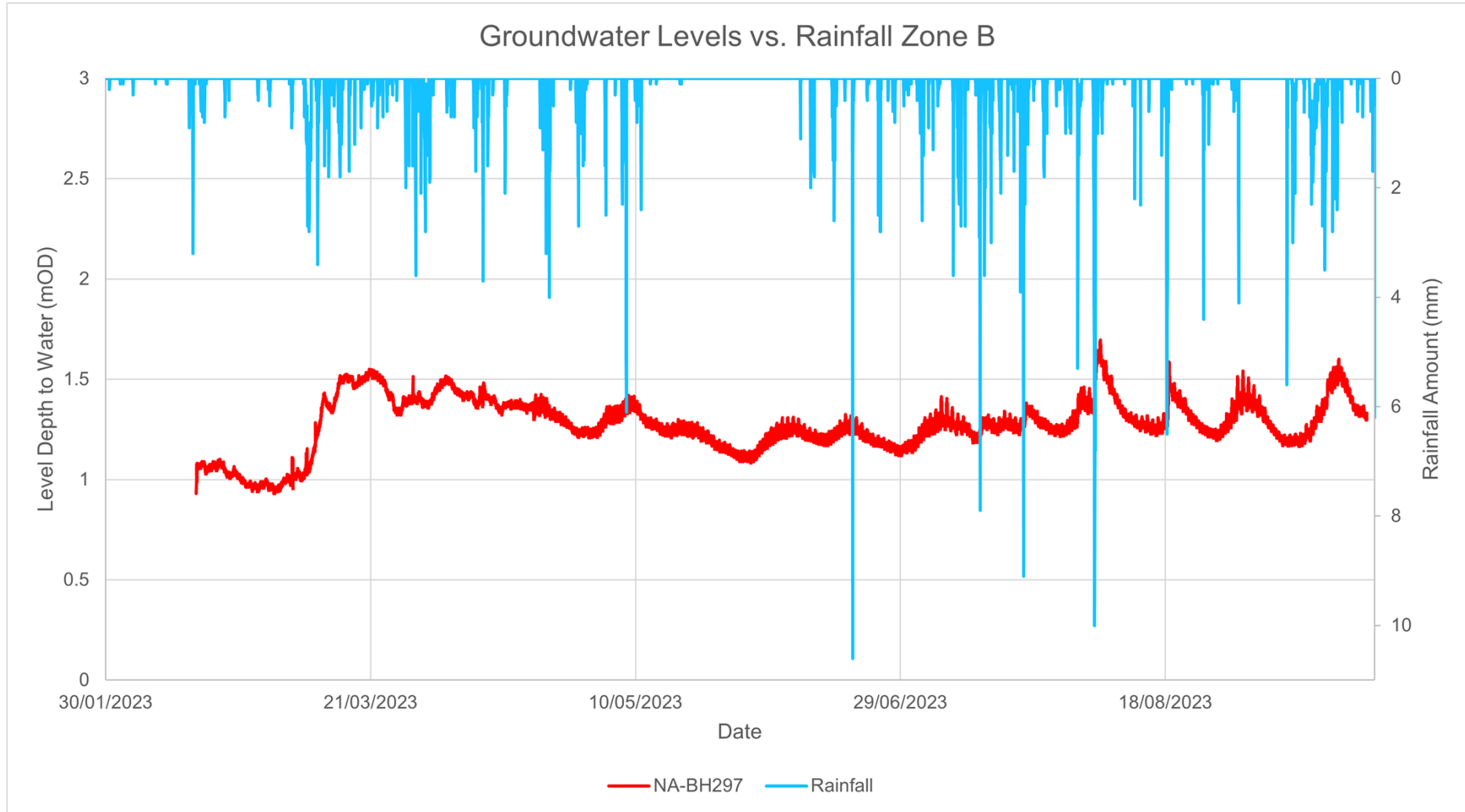
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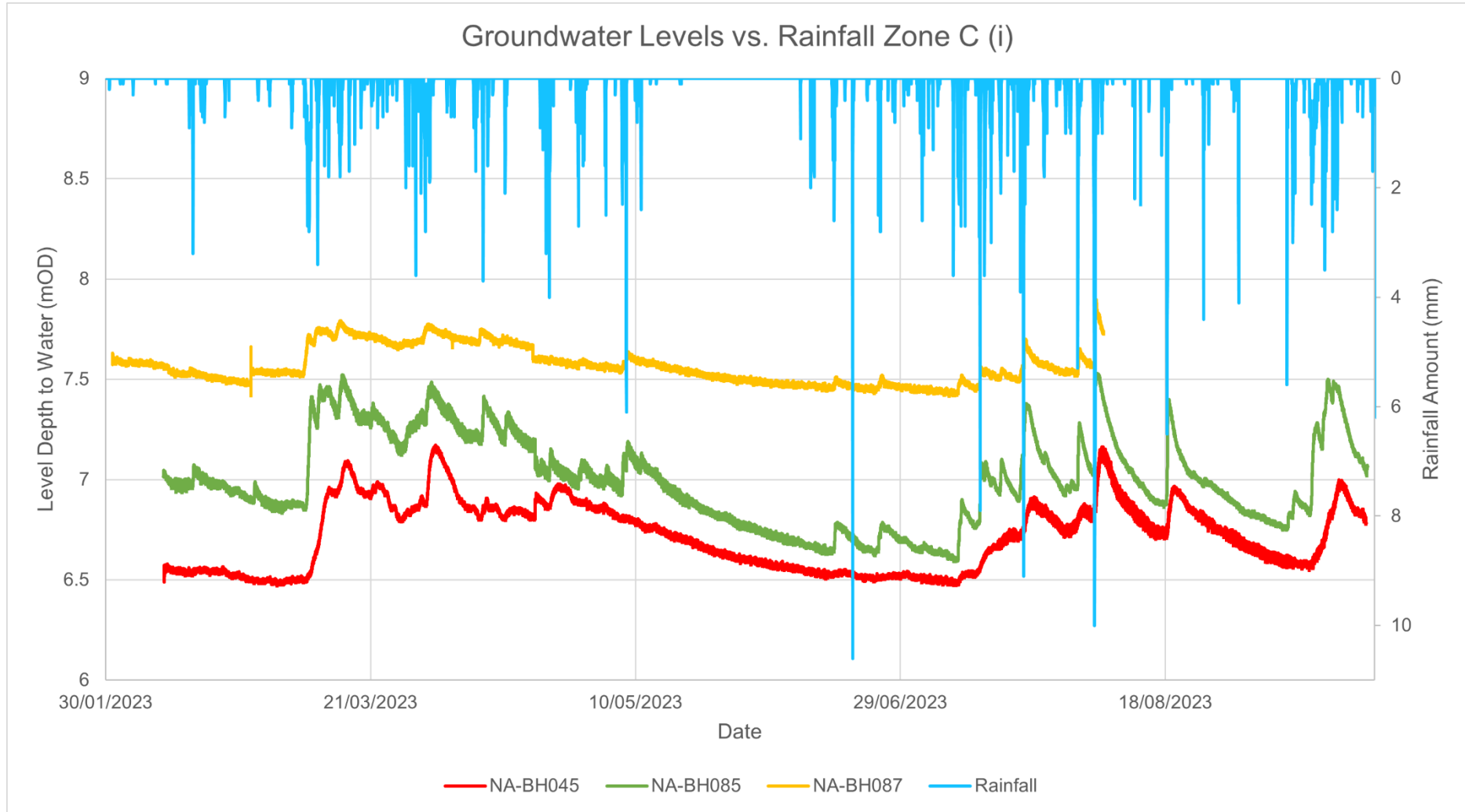
11. APPENDIX A11.1: HYDROGRAPHS

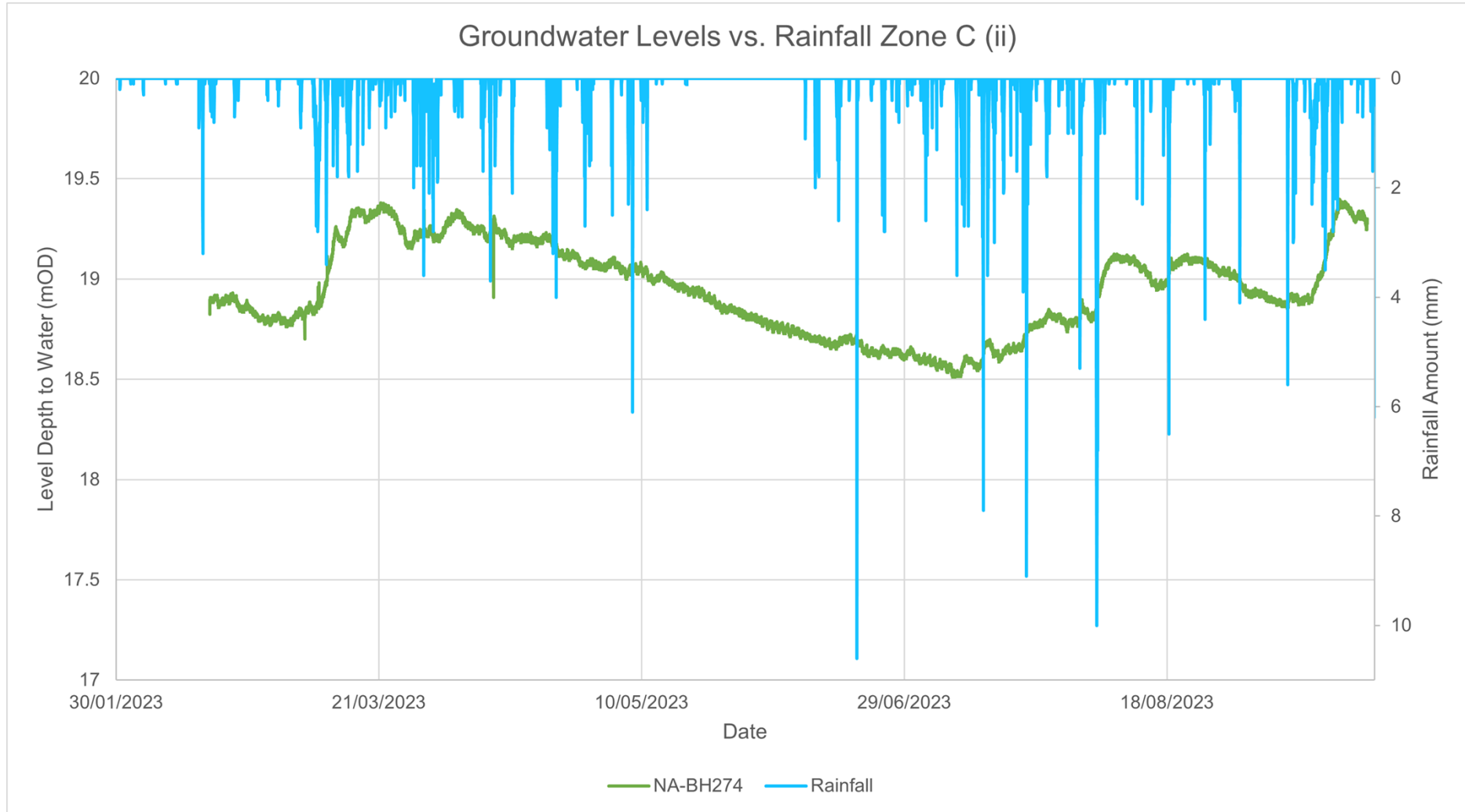
11.1 Introduction

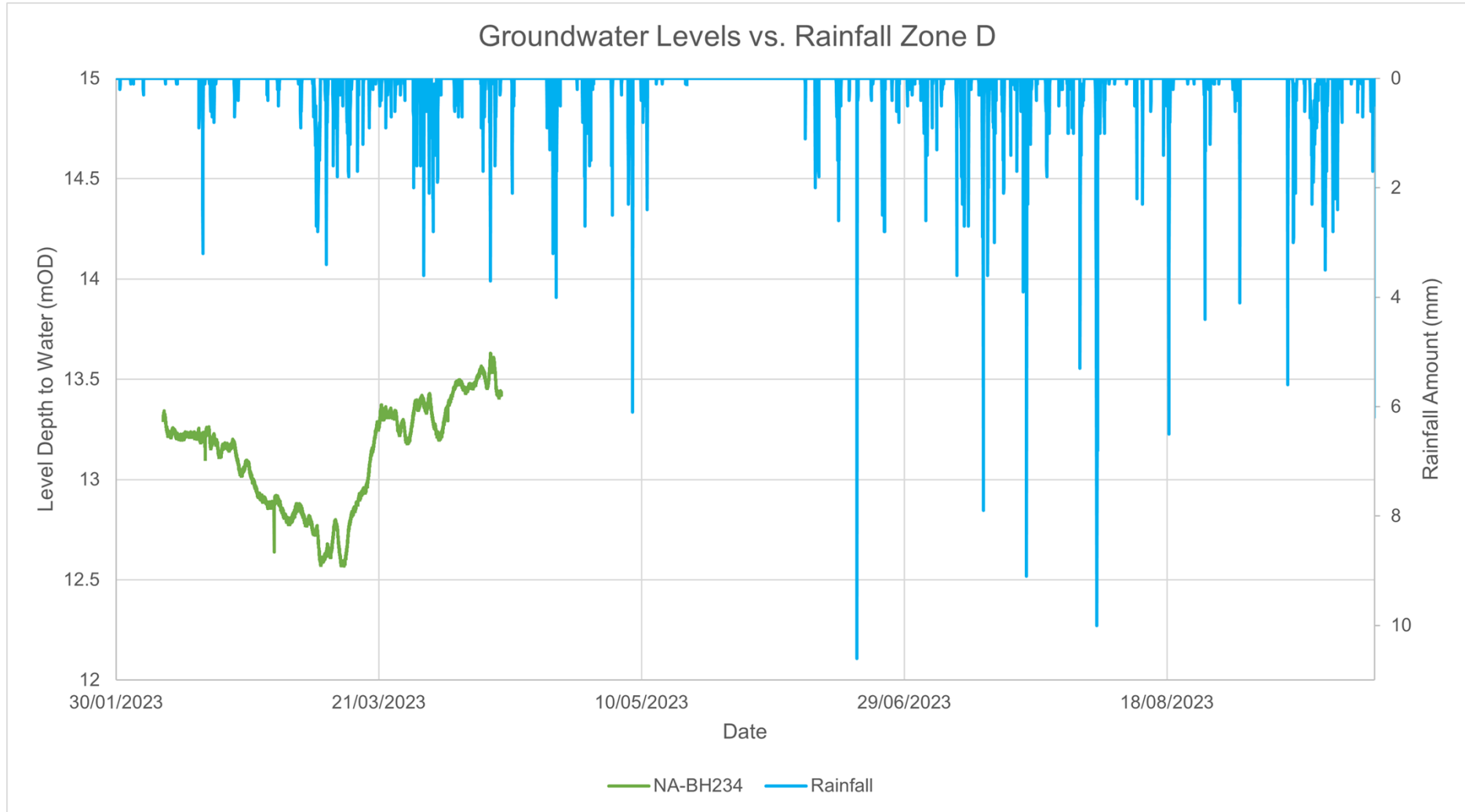
Groundwater loggers were installed in eight of the forty groundwater installations. The hydrographs for the logger data are presented in Appendix A11.1. The level logger data indicates that groundwater levels and responses to rainfall events vary across the Proposed Development.

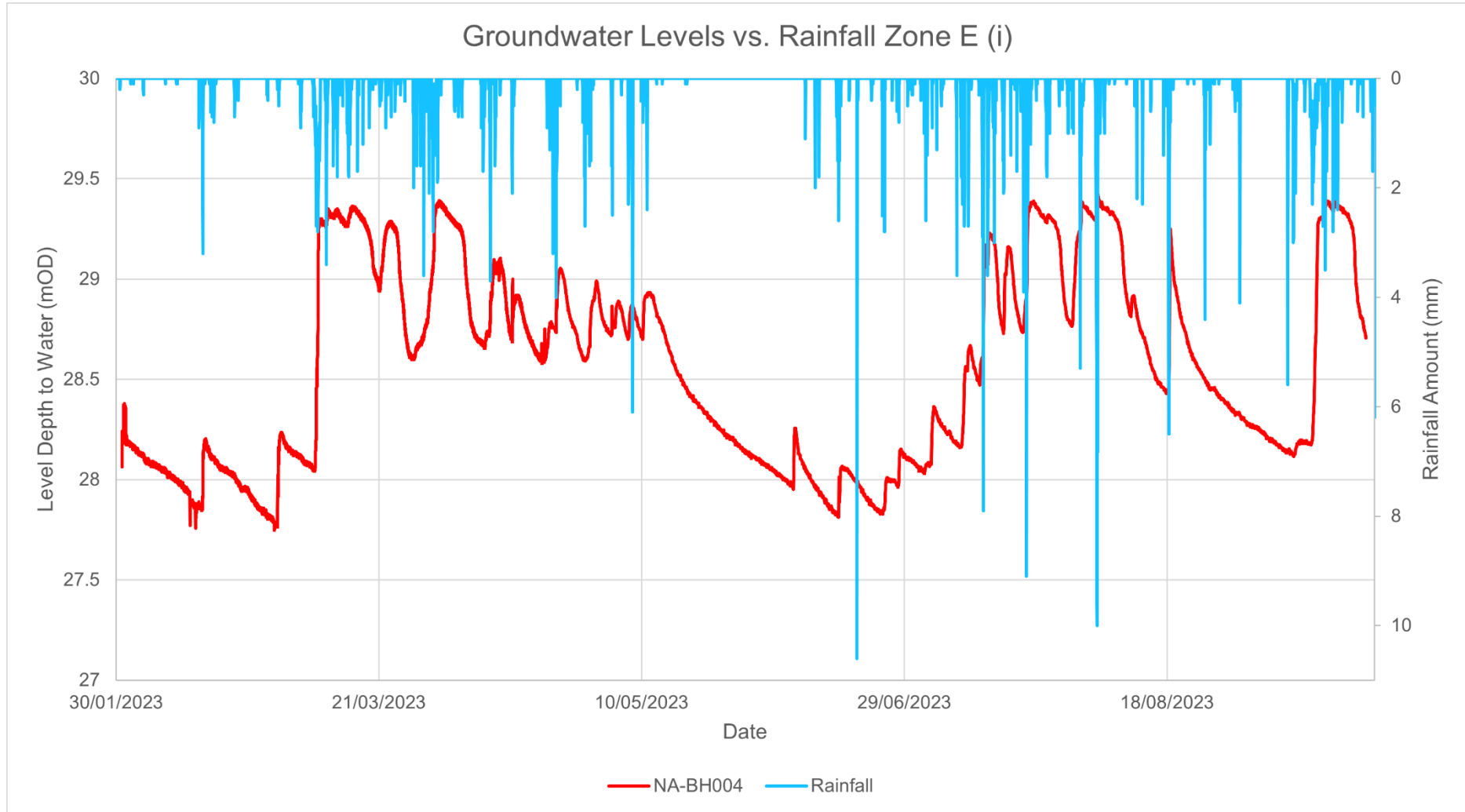
The project specific ground investigation carried out to inform the Proposed Development design and EIAR included investigation works within and adjacent to the rail corridor. These provide useful verification for the data already collected relating to the baseline environment. Graphical Conceptual Sites Models (CSMs) as Geological Plan and Profile drawings are presented in Appendix A9.1 of Volume 4 of this EIAR. The locations of the boreholes noted in this appendix can be found in Figure 11.3 (Groundwater Monitoring Installations) in Volume 3A of this EIAR.

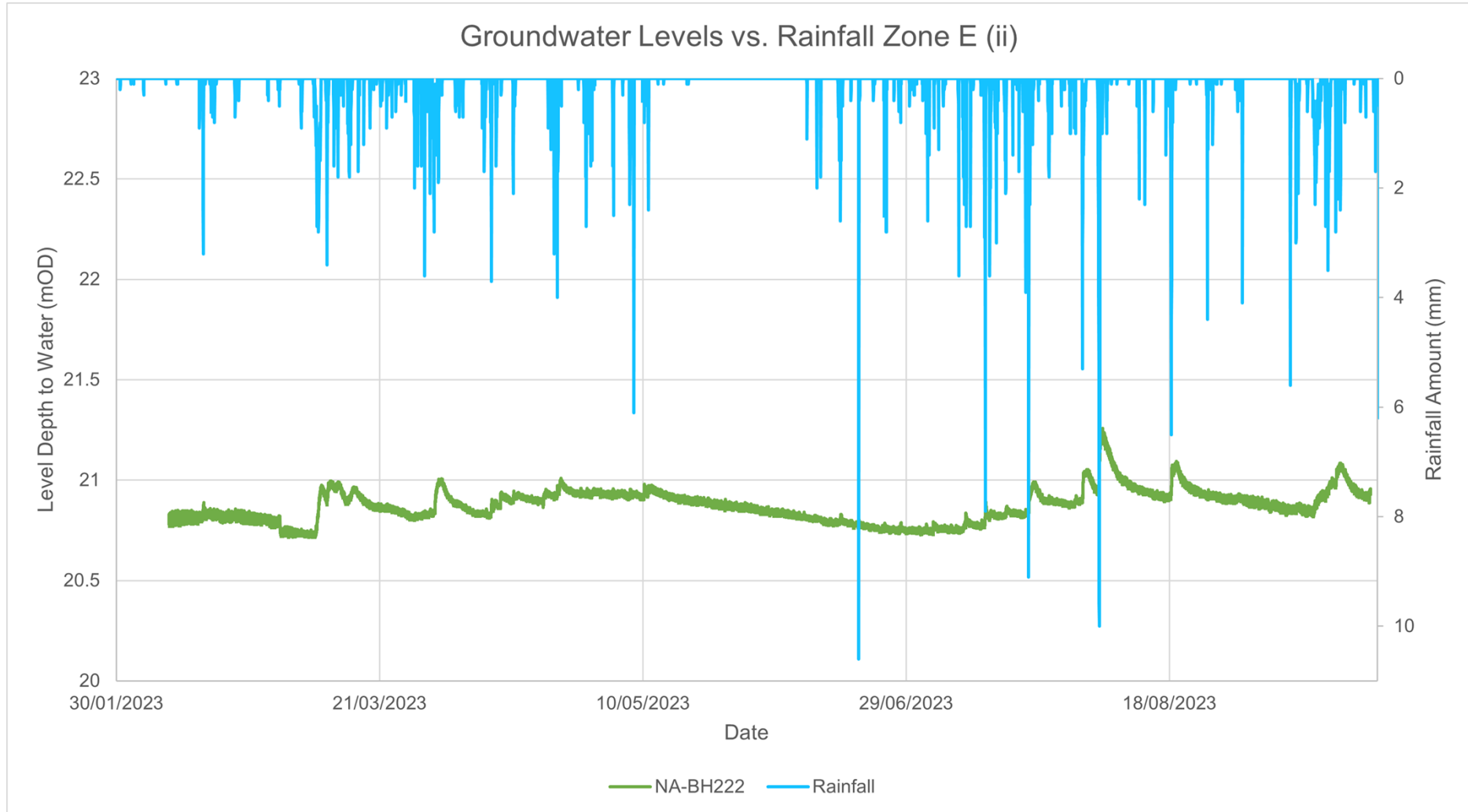












Appendix A11.2

Groundwater Monitoring Results

11. APPENDIX A11.2: GROUNDWATER QUALITY RESULTS

11.1 Introduction

Groundwater Quality Results are presented in Appendix A11.2. The project specific ground investigation carried out to inform the Proposed Development design and EIAR included investigation works within and adjacent to the rail corridor. These provide useful verification for the data already collected relating to the baseline environment. Graphical Conceptual Sites Models (CSMs) as Geological Plan and Profile drawings are presented in Appendix A9.1 of Volume 4 of this EIAR. The locations of the boreholes noted in this appendix can be found in Figure 11.3 (Groundwater Monitoring Installations) in Volume 3A of this EIAR.

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1590828	1602168	1619409	1590757	1592747	1602164	1623623	1590758	1602179	1623628	1591576
Sample Location	NA-BH010	NA-BH010	NA-BH010	NA-BH017	NA-BH018	NA-BH018	NA-BH018	NA-BH033	NA-BH033	NA-BH033	NA-BH037
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	E	E	E	E	E	E	E	D	D	D	D
Installation Monitoring	GRAVEL	GRAVEL	GRAVEL	SAND, CLAY & GRAVEL	ANDESITE	ANDESITE	ANDESITE	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	13-Feb-2023	01-Mar-2023	03-Apr-2023	13-Feb-2023	16-Feb-2023	28-Feb-2023	11-Apr-2023	13-Feb-2023	02-Mar-2023	13-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units									
1,1,1,2-Tetrachloroethane	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
1,1,1-Trichloroethane	0.10	10000	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1,2-Trichloroethane	0.1	0.55	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloroethane	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloroethene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloropropene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,3-Trichlorobenzene	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
1,2,3-Trichloropropane	5	nv	µg/l	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5
1,2,4-Trichlorobenzene	0.1	0.071	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,4-Trichlorobenzene	0.050	0.071	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2,4-Trichlorobenzene	0.50	0.071	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,4-Trimethylbenzene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dibromo-3-Chloropropane	5	nv	µg/l	< 5	< 5	< 5		< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	0.10	1000	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichlorobenzene	0.050	1000	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichlorobenzene	0.50	1000	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	0.20	2.25	µg/l	< 0.20	< 0.20	< 0.20		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
1,2-Dichloropropane	0.10	0.9	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3,5-Trimethylbenzene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3-Dichlorobenzene	0.10	7	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3-Dichlorobenzene	0.050	7	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,3-Dichlorobenzene	0.50	7	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichloropropane	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
1,4-Dichlorobenzene	0.10	300	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,4-Dichlorobenzene	0.050	300	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,4-Dichlorobenzene	0.50	300	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,5-Trichlorophenol	0.050	300	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2,4,5-Trichlorophenol	0.50	300	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,6-Trichlorophenol	0.050	200	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1590828	1602168	1619409	1590757	1592747	1602164	1623623	1590758	1602179	1623628	1591576
Sample Location	NA-BH010	NA-BH010	NA-BH010	NA-BH017	NA-BH018	NA-BH018	NA-BH018	NA-BH033	NA-BH033	NA-BH033	NA-BH037
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	E	E	E	E	E	E	E	D	D	D	D
Installation Monitoring	GRAVEL	GRAVEL	GRAVEL	SAND, CLAY & GRAVEL	ANDESITE	ANDESITE	ANDESITE	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	13-Feb-2023	01-Mar-2023	03-Apr-2023	13-Feb-2023	16-Feb-2023	28-Feb-2023	11-Apr-2023	13-Feb-2023	02-Mar-2023	13-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units									
2,4,6-Trichlorophenol	0.50	200	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dichlorophenol	0.050	10	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2,4-Dichlorophenol	0.50	10	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dimethylphenol	0.050	100	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2,4-Dimethylphenol	0.50	100	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dinitrotoluene	0.050	0.049	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2,4-Dinitrotoluene	0.50	0.049	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,6-Dinitrotoluene	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2,6-Dinitrotoluene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chloronaphthalene	0.050	800	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Chloronaphthalene	0.50	800	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorophenol	0.050	200	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Chlorophenol	0.50	200	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorotoluene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
2-Methyl-4,6-Dinitrophenol	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Methyl-4,6-Dinitrophenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylnaphthalene	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Methylnaphthalene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylphenol (o-Cresol)	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Methylphenol (o-Cresol)	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitroaniline	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitrophenol	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2-Nitrophenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
3-Nitroaniline	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
3-Nitroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4,4-DDD	0.20	0.00012	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
4,4-DDE	0.20	0.00018	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
4,4-DDT	0.20	0.075	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
4-Bromophenylphenyl Ether	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1590828	1602168	1619409	1590757	1592747	1602164	1623623	1590758	1602179	1623628	1591576
Sample Location	NA-BH010	NA-BH010	NA-BH010	NA-BH017	NA-BH018	NA-BH018	NA-BH018	NA-BH033	NA-BH033	NA-BH033	NA-BH037
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	E	E	E	E	E	E	E	D	D	D	D
Installation Monitoring	GRAVEL	GRAVEL	GRAVEL	SAND, CLAY & GRAVEL	ANDESITE	ANDESITE	ANDESITE	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	13-Feb-2023	01-Mar-2023	03-Apr-2023	13-Feb-2023	16-Feb-2023	28-Feb-2023	11-Apr-2023	13-Feb-2023	02-Mar-2023	13-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units									
4-Bromophenylphenyl Ether	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloro-3-Methylphenol	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Chloro-3-Methylphenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Chloroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorophenylphenylether	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Chlorophenylphenylether	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorotoluene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Isopropyltoluene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
4-Methylphenol	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Methylphenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitroaniline	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitrophenol	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitrophenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthene	0.050	70	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Acenaphthene	0.50	70	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthylene	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Acenaphthylene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aldrin	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Aliphatic TPH >C10-C12	0.10	400	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C12-C16	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C16-C21	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C21-C35	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C35-C44	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C5-C6	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C6-C8	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C8-C10	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Alkalinity (Total)	10	nv	mg/l	380	370	300	360	450	390	310	390	350
Alpha-Chlordane	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20



Appendix A11.2
Groundwater Quality Results

Legend:
Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1590828	1602168	1619409	1590757	1592747	1602164	1623623	1590758	1602179	1623628	1591576
Sample Location	NA-BH010	NA-BH010	NA-BH010	NA-BH017	NA-BH018	NA-BH018	NA-BH018	NA-BH033	NA-BH033	NA-BH033	NA-BH037
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	E	E	E	E	E	E	E	D	D	D	D
Installation Monitoring	GRAVEL	GRAVEL	GRAVEL	SAND, CLAY & GRAVEL	ANDESITE	ANDESITE	ANDESITE	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	13-Feb-2023	01-Mar-2023	03-Apr-2023	13-Feb-2023	16-Feb-2023	28-Feb-2023	11-Apr-2023	13-Feb-2023	02-Mar-2023	13-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units											
Alpha-HCH	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20		
Ametryn	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20		
Ammoniacal Nitrogen as NH3	0.050	0.065	mg/l	0.11	0.12	0.16	0.055	0.22	0.18	0.37	0.053	< 0.050	0.14	0.17
Anthracene	0.050	0.1	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Anthracene	0.50	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Antimony	0.50	5.6	µg/l	< 0.50	0.67	< 0.50	< 0.50	0.52	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aromatic TPH >C10-C12	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C12-C16	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C16-C21	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C21-C35	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C35-C44	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C5-C7	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C7-C8	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C8-C10	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	0.20	7.5	µg/l	0.24	1.7	0.4	< 0.20	5	11	2.3	3.5	7.2	3.7	1.8
Atraton	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Atrazine	0.20	0.075	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Azobenzene	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Azobenzene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Barium	5.00	100	µg/l	48	44	59	54	130	130	180	150	140	140	110
Benzene	0.10	0.75	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzene	1.0	0.75	µg/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(a)anthracene	0.050	0.0012	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Benzo(a)anthracene	0.50	0.0012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo(a)pyrene	0.050	0.00017	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Benzo(a)pyrene	0.50	0.00017	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[g,h,i]perylene	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Benzo[g,h,i]perylene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[k]fluoranthene	0.050	0.012	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Benzo[k]fluoranthene	0.50	0.012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

Legend:

Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1590828	1602168	1619409	1590757	1592747	1602164	1623623	1590758	1602179	1623628	1591576
Sample Location	NA-BH010	NA-BH010	NA-BH010	NA-BH017	NA-BH018	NA-BH018	NA-BH018	NA-BH033	NA-BH033	NA-BH033	NA-BH037
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	E	E	E	E	E	E	E	D	D	D	D
Installation Monitoring	GRAVEL	GRAVEL	GRAVEL	SAND, CLAY & GRAVEL	ANDESITE	ANDESITE	ANDESITE	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	13-Feb-2023	01-Mar-2023	03-Apr-2023	13-Feb-2023	16-Feb-2023	28-Feb-2023	11-Apr-2023	13-Feb-2023	02-Mar-2023	13-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units									
Benzo[b]fluoranthene	0.050	0.0012	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Benzo[b]fluoranthene	0.50	0.0012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Beta-HCH	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Biochemical Oxygen Demand Low Level	1.0	nv	mg/l	4	< 1.0	5	6	5	< 1.0	1.1	5	< 1.0
Bis(2-Chloroethoxy)Methane	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bis(2-Chloroethoxy)Methane	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis-(2-Chloroethyl)Ether	0.050	0.03	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bis-(2-Chloroethyl)Ether	0.50	0.03	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Chloroisopropyl)Ether	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bis(2-Chloroisopropyl)Ether	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Ethylhexyl)Phthalate	0.050	0.32	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bis(2-Ethylhexyl)Phthalate	0.50	0.32	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromobenzene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromochloromethane	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromomethane	2	nv	µg/l	< 2.0	< 2.0	< 2.0		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Butylbenzyl Phthalate	0.050	0.1	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Butylbenzyl Phthalate	0.50	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	0.08	0.08	µg/l	< 0.08	0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Calcium	2.00	200	mg/l	110	89	110	110	91	90	110	120	82
Carbazole	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Carbazole	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chemical Oxygen Demand	10	nv	mg/l	71	< 10	18	68	11	< 10	< 10	66	< 10
Chloride	1	187.5	mg/l	25	27	26	27	37	36	38	39	42
Chlorobenzene	0.1	1	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chloroethane	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20		< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Chloromethane	0.1	nv	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chlortoluron	1	0.075	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chromium (Trivalent)	20	nv	µg/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Chrysene	0.05	0.12	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1590828	1602168	1619409	1590757	1592747	1602164	1623623	1590758	1602179	1623628	1591576
Sample Location	NA-BH010	NA-BH010	NA-BH010	NA-BH017	NA-BH018	NA-BH018	NA-BH018	NA-BH033	NA-BH033	NA-BH033	NA-BH037
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	E	E	E	E	E	E	E	D	D	D	D
Installation Monitoring	GRAVEL	GRAVEL	GRAVEL	SAND, CLAY & GRAVEL	ANDESITE	ANDESITE	ANDESITE	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	13-Feb-2023	01-Mar-2023	03-Apr-2023	13-Feb-2023	16-Feb-2023	28-Feb-2023	11-Apr-2023	13-Feb-2023	02-Mar-2023	13-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units									
Chrysene	0.5	0.12	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis 1,2-Dichloroethene	0.1	0.375	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
cis-1,3-Dichloropropene	1	nv	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	0.5	1500	µg/l	2.7	1.1	1.2	1.7	2.2	1.3	0.84	1.1	< 0.50
dalaphon	0.1	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Delta-HCH	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Dibenz(a,h)Anthracene	0.05	0.00012	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dibenz(a,h)Anthracene	0.5	0.00012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibenzofuran	0.05	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dibenzofuran	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromochloromethane	1	0.8	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	0.1	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dichlorodifluoromethane	0.1	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dieldrin	0.2	0.075	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diethyl Phthalate	0.05	600	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Diethyl Phthalate	0.5	600	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diethylene Glycol	0.1	No match	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dimethylphthalate	0.05	2000	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dimethylphthalate	0.5	2000	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Butyl Phthalate	0.05	2	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	22	< 0.050	< 0.050	< 0.050	< 0.050
Di-N-Butyl Phthalate	0.5	2	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	22	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Octyl Phthalate	0.05	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Di-N-Octyl Phthalate	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diuron	1	0.075	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Endosulfan I	0.2	nv	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endosulfan II	0.2	nv	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endosulfan Sulphate	0.2	0.005	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endrin	0.2	0.03	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endrin Aldehyde	0.2	1	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endrin Ketone	0.2	nv	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2

Legend:

Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1590828	1602168	1619409	1590757	1592747	1602164	1623623	1590758	1602179	1623628	1591576
Sample Location	NA-BH010	NA-BH010	NA-BH010	NA-BH017	NA-BH018	NA-BH018	NA-BH018	NA-BH033	NA-BH033	NA-BH033	NA-BH037
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	E	E	E	E	E	E	E	D	D	D	D
Installation Monitoring	GRAVEL	GRAVEL	GRAVEL	SAND, CLAY & GRAVEL	ANDESITE	ANDESITE	ANDESITE	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	13-Feb-2023	01-Mar-2023	03-Apr-2023	13-Feb-2023	16-Feb-2023	28-Feb-2023	11-Apr-2023	13-Feb-2023	02-Mar-2023	13-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units									
Ethylbenzene	0.1	10	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ethylbenzene	1	10	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylene Glycol	0.1	nv	mg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10		
Fluoranthene	0.05	1	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	
Fluoranthene	0.5	1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluorene	0.05	50	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	
Fluorene	0.5	50	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Gamma-Chlordane	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Gamma-HCH (Lindane)	0.2	4.2	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Glycols	0.1	No match	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10		
Heptachlor	0.2	0.000002	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Heptachlor Epoxide	0.2	0.000002	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Hexachlorobenzene	0.05	0.03	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	
Hexachlorobenzene	0.5	0.03	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobutadiene	0.1	0.1	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Hexachlorobutadiene	0.05	0.1	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	
Hexachlorobutadiene	0.5	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorocyclopentadiene	0.05	4	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	
Hexachlorocyclopentadiene	0.5	4	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachloroethane	0.05	0.1	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	
Hexachloroethane	0.5	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	0.05	0.05	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	
Indeno(1,2,3-c,d)Pyrene	0.5	0.05	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Iron	5	200	µg/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	15
Isophorone	0.05	34	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	
Isophorone	0.5	34	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Isopropylbenzene	0.1	nv	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Isoproturon	1	0.075	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead	0.5	7.5	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Linuron	1	nv	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Legend:

Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1590828	1602168	1619409	1590757	1592747	1602164	1623623	1590758	1602179	1623628	1591576
Sample Location	NA-BH010	NA-BH010	NA-BH010	NA-BH017	NA-BH018	NA-BH018	NA-BH018	NA-BH033	NA-BH033	NA-BH033	NA-BH037
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	E	E	E	E	E	E	E	D	D	D	D
Installation Monitoring	GRAVEL	GRAVEL	GRAVEL	SAND, CLAY & GRAVEL	ANDESITE	ANDESITE	ANDESITE	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	13-Feb-2023	01-Mar-2023	03-Apr-2023	13-Feb-2023	16-Feb-2023	28-Feb-2023	11-Apr-2023	13-Feb-2023	02-Mar-2023	13-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units									
Low-Level Chromium (Hexavalent)	20	nv	µg/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
m & p-Xylene	0.1	10	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
m & p-Xylene	1	10	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Magnesium	0.2	50	mg/l	18	20	18	11	19	20	19	19	20
Manganese	0.5	50	µg/l	1	< 0.50	55	1.4	260	180	160	300	54
Mercury	0.01	0.75	µg/l	< 0.010	0.018	< 0.010	< 0.010	< 0.010	0.018	< 0.010	< 0.010	0.018
Methoxychlor	0.2	0.02	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methyl Tert-Butyl Ether	0.1	10	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Molybdenum	0.2	nv	µg/l	1.7	4.4	2.3	0.85	11	11	5.4	3	4.1
Monuron	1	nv	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	0.05	1	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Naphthalene	0.5	1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Butylbenzene	0.1	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	0.5	15	µg/l	3.3	< 0.50	4.1	0.83	7.4	6.8	4.5	1	3.8
Nitrate	0.5	37.5	mg/l	8.1	9.6	8.9	33	7.1	12	24	< 0.50	9.9
Nitrobenzene	0.05	10	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Nitrobenzene	0.5	10	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Nitrosodimethylamine	0.05	nv	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
N-Nitrosodimethylamine	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Nitrosodi-n-propylamine	0.05	0.005	µg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
N-Nitrosodi-n-propylamine	0.5	0.005	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Propylbenzene	0.1	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
o-Xylene	0.1	10	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
o-Xylene	1	10	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
PCB 105	0.01	0.01	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PCB 114	0.01	0.01	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PCB 118	0.01	0.01	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PCB 123	0.01	0.01	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PCB 126	0.01	0.01	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PCB 156	0.01	0.01	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PCB 157	0.01	0.01	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PCB 167	0.01	0.01	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
PCB 169	0.01	0.01	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Legend:
Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1590828	1602168	1619409	1590757	1592747	1602164	1623623	1590758	1602179	1623628	1591576
Sample Location	NA-BH010	NA-BH010	NA-BH010	NA-BH017	NA-BH018	NA-BH018	NA-BH018	NA-BH033	NA-BH033	NA-BH033	NA-BH037
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	E	E	E	E	E	E	E	D	D	D	D
Installation Monitoring	GRAVEL	GRAVEL	GRAVEL	SAND, CLAY & GRAVEL	ANDESITE	ANDESITE	ANDESITE	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	13-Feb-2023	01-Mar-2023	03-Apr-2023	13-Feb-2023	16-Feb-2023	28-Feb-2023	11-Apr-2023	13-Feb-2023	02-Mar-2023	13-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units											
PCB 189	0.01	0.01	µg/l	<0.01	<0.01	<0.01								
PCB 77	0.01	0.01	µg/l	<0.01	<0.01	<0.01								
PCB 81	0.01	0.01	µg/l	<0.01	<0.01	<0.01								
Pentachlorophenol	0.05	2	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050		
Pentachlorophenol	0.5	2	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Phenanthrene	0.05	nv	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050		
Phenanthrene	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Phenol	0.05	0.5	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050		
Phenol	0.5	0.5	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Phosphate	0.2	nv	mg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20		
picloram	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Potassium	0.5	5	mg/l	8.3	8.8	8.6	1.9	9.6	9.7	7.9	3.8	3.5	3.3	1.9
Prometon	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Prometryn	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Propazine	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Propylene Glycol	0.10	nv	mg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		
Pyrene	0.050	20	µg/l	< 0.050	< 0.050	< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050		
Pyrene	0.50	20	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Secbumeton	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20		
Sec-Butylbenzene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		
Selenium	0.50	170	µg/l	2.1	5.2	1.4	1.5	6.9	7.6	3.5	0.7	0.86	0.69	< 0.50
Simazine	0.20	0.075	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Simetryn	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Sodium	1.50	150	mg/l	37	39	36	10	54	55	30	22	24	23	45
Styrene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Sulphate	1.0	187.5	mg/l	130	120	120	19	97	80	82	63	63	75	43
Suspended Solids At 105C	5.0	nv	mg/l	620	36	13	110	56	24	68	29	100	40	18
SVOC TIC	N/A	nv	µg/l	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected
Terbutylazine	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Terbutryn	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Tert-Butylbenzene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10



Appendix A11.2
Groundwater Quality Results

Legend:
Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1590828	1602168	1619409	1590757	1592747	1602164	1623623	1590758	1602179	1623628	1591576
Sample Location	NA-BH010	NA-BH010	NA-BH010	NA-BH017	NA-BH018	NA-BH018	NA-BH018	NA-BH033	NA-BH033	NA-BH033	NA-BH037
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	E	E	E	E	E	E	E	D	D	D	D
Installation Monitoring	GRAVEL	GRAVEL	GRAVEL	SAND, CLAY & GRAVEL	ANDESITE	ANDESITE	ANDESITE	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	13-Feb-2023	01-Mar-2023	03-Apr-2023	13-Feb-2023	16-Feb-2023	28-Feb-2023	11-Apr-2023	13-Feb-2023	02-Mar-2023	13-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units									
Tetrachloroethene	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tetrachloromethane	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Toluene	0.10	525	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Toluene	1.0	525	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	5.0	nv	µg/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Aromatic Hydrocarbons	5.0	0.075	µg/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Dissolved Solids	1.0	1000	mg/l	440	780	480	420	460	440	470	420	420
Total PCBs (12 Congeners)	0.01	0.01	µg/l	<0.01	<0.01	<0.01						
Total Petroleum Hydrocarbons	10	10	µg/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Total TPH>C5-C35	10	7.5	µg/l		< 10	< 10		< 10	< 10			
Trans 1,2-Dichloroethene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trans 1,3-Dichloropropene	1	nv	µg/l	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	1.0	nv	µg/l	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trichlorofluoromethane	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trichloromethane	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Triethylene Glycol	0.1	No match	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Vinyl Chloride	0.10	0.375	µg/l	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	2.5	75	µg/l	11	< 2.5	< 2.5	12	12	2.5	14	12	< 2.5
												15
												19

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1593729	1605648	1623630	1592557	1602178	1621041	1598025	1605655	1621042	1592559
Sample Location	NA-BH045	NA-BH045	NA-BH045	NA-BH050	NA-BH050	NA-BH050	NA-BH056	NA-BH056	NA-BH056	NA-BH058
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	SAND	SAND	SAND	GRAVEL	GRAVEL	GRAVEL	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	GRAVEL, SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	16-Feb-2023	06-Mar-2023	13-Apr-2023	16-Feb-2023	02-Mar-2023	05-Apr-2023	17-Feb-2023	08-Mar-2023	05-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units								
1,1,1,2-Tetrachloroethane	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20					
1,1,1-Trichloroethane	0.10	10000	µg/l	< 0.10	< 0.10	< 0.10					
1,1,2-Trichloroethane	0.1	0.55	µg/l	< 0.10	< 0.10	< 0.10					
1,1-Dichloroethane	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10					
1,1-Dichloroethene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10					
1,1-Dichloropropene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10					
1,2,3-Trichlorobenzene	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20					
1,2,3-Trichloropropane	5	nv	µg/l	< 5	< 5	< 5					
1,2,4-Trichlorobenzene	0.1	0.071	µg/l	< 0.10	< 0.10	< 0.10					
1,2,4-Trichlorobenzene	0.050	0.071	µg/l	< 0.050	< 0.050	< 0.050					
1,2,4-Trichlorobenzene	0.50	0.071	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,4-Trimethylbenzene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10					
1,2-Dibromo-3-Chloropropane	5	nv	µg/l	< 5	< 5	< 5					
1,2-Dibromoethane	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50					
1,2-Dichlorobenzene	0.10	1000	µg/l	< 0.10	< 0.10	< 0.10					
1,2-Dichlorobenzene	0.050	1000	µg/l	< 0.050	< 0.050	< 0.050					
1,2-Dichlorobenzene	0.50	1000	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	0.20	2.25	µg/l	< 0.20	< 0.20	< 0.20					
1,2-Dichloropropane	0.10	0.9	µg/l	< 0.10	< 0.10	< 0.10					
1,3,5-Trimethylbenzene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10					
1,3-Dichlorobenzene	0.10	7	µg/l	< 0.10	< 0.10	< 0.10					
1,3-Dichlorobenzene	0.050	7	µg/l	< 0.050	< 0.050	< 0.050					
1,3-Dichlorobenzene	0.50	7	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichloropropane	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20					
1,4-Dichlorobenzene	0.10	300	µg/l	< 0.10	< 0.10	< 0.10					
1,4-Dichlorobenzene	0.050	300	µg/l	< 0.050	< 0.050	< 0.050					
1,4-Dichlorobenzene	0.50	300	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,5-Trichlorophenol	0.050	300	µg/l	< 0.050	< 0.050	< 0.050					
2,4,5-Trichlorophenol	0.50	300	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,6-Trichlorophenol	0.050	200	µg/l	< 0.050	< 0.050	< 0.050					

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1593729	1605648	1623630	1592557	1602178	1621041	1598025	1605655	1621042	1592559
Sample Location	NA-BH045	NA-BH045	NA-BH045	NA-BH050	NA-BH050	NA-BH050	NA-BH056	NA-BH056	NA-BH056	NA-BH058
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	SAND	SAND	SAND	GRAVEL	GRAVEL	GRAVEL	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	GRAVEL, SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	16-Feb-2023	06-Mar-2023	13-Apr-2023	16-Feb-2023	02-Mar-2023	05-Apr-2023	17-Feb-2023	08-Mar-2023	05-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units									
2,4,6-Trichlorophenol	0.50	200	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dichlorophenol	0.050	10	µg/l	< 0.050	< 0.050	< 0.050						
2,4-Dichlorophenol	0.50	10	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dimethylphenol	0.050	100	µg/l	< 0.050	< 0.050	< 0.050						
2,4-Dimethylphenol	0.50	100	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dinitrotoluene	0.050	0.049	µg/l	< 0.050	< 0.050	< 0.050						
2,4-Dinitrotoluene	0.50	0.049	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,6-Dinitrotoluene	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050						
2,6-Dinitrotoluene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chloronaphthalene	0.050	800	µg/l	< 0.050	< 0.050	< 0.050						
2-Chloronaphthalene	0.50	800	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorophenol	0.050	200	µg/l	< 0.050	< 0.050	< 0.050						
2-Chlorophenol	0.50	200	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorotoluene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10						
2-Methyl-4,6-Dinitrophenol	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050						
2-Methyl-4,6-Dinitrophenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylnaphthalene	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050						
2-Methylnaphthalene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylphenol (o-Cresol)	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050						
2-Methylphenol (o-Cresol)	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitroaniline	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050						
2-Nitroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitrophenol	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050						
2-Nitrophenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
3-Nitroaniline	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050						
3-Nitroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4,4-DDD	0.20	0.00012	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
4,4-DDE	0.20	0.00018	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
4,4-DDT	0.20	0.075	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
4-Bromophenylphenyl Ether	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050						

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1593729	1605648	1623630	1592557	1602178	1621041	1598025	1605655	1621042	1592559
Sample Location	NA-BH045	NA-BH045	NA-BH045	NA-BH050	NA-BH050	NA-BH050	NA-BH056	NA-BH056	NA-BH056	NA-BH058
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	SAND	SAND	SAND	GRAVEL	GRAVEL	GRAVEL	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	GRAVEL, SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	16-Feb-2023	06-Mar-2023	13-Apr-2023	16-Feb-2023	02-Mar-2023	05-Apr-2023	17-Feb-2023	08-Mar-2023	05-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units									
4-Bromophenylphenyl Ether	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloro-3-Methylphenol	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050						
4-Chloro-3-Methylphenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050						
4-Chloroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorophenylphenylether	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050						
4-Chlorophenylphenylether	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorotoluene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10						
4-Isopropyltoluene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10						
4-Methylphenol	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050						
4-Methylphenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitroaniline	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050						
4-Nitroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitrophenol	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050						
4-Nitrophenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthene	0.050	70	µg/l	< 0.050	< 0.050	< 0.050						
Acenaphthene	0.50	70	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthylene	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050						
Acenaphthylene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aldrin	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Aliphatic TPH >C10-C12	0.10	400	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C12-C16	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C16-C21	0.10	7.5	µg/l	< 0.10	37	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C21-C35	0.10	7.5	µg/l	< 0.10	1900	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	910	< 0.10
Aliphatic TPH >C35-C44	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C5-C6	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C6-C8	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C8-C10	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Alkalinity (Total)	10	nv	mg/l	420	380	250	340	370	270	370	240	240
Alpha-Chlordane	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20

Legend:

Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1593729	1605648	1623630	1592557	1602178	1621041	1598025	1605655	1621042	1592559
Sample Location	NA-BH045	NA-BH045	NA-BH045	NA-BH050	NA-BH050	NA-BH050	NA-BH056	NA-BH056	NA-BH056	NA-BH058
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	SAND	SAND	SAND	GRAVEL	GRAVEL	GRAVEL	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	GRAVEL, SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	16-Feb-2023	06-Mar-2023	13-Apr-2023	16-Feb-2023	02-Mar-2023	05-Apr-2023	17-Feb-2023	08-Mar-2023	05-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units										
Alpha-HCH	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Ametryn	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Ammoniacal Nitrogen as NH3	0.050	0.065	mg/l	0.14	0.24	0.15	< 0.050	0.33	0.12	< 0.050	1.5	0.11	1.5
Anthracene	0.050	0.1	µg/l	< 0.050	< 0.050	< 0.050							
Anthracene	0.50	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Antimony	0.50	5.6	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.5	1.5	3.3
Aromatic TPH >C10-C12	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C12-C16	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C16-C21	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C21-C35	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C35-C44	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C5-C7	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C7-C8	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C8-C10	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Arsenic	0.20	7.5	µg/l	1.1	2	1.1	0.25	3.6	0.57	6.7	0.47	0.32	2.2
Atraton	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Atrazine	0.20	0.075	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Azobenzene	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050							
Azobenzene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Barium	5.00	100	µg/l	46	46	49	65	63	81	42	57	52	150
Benzene	0.10	0.75	µg/l	< 0.10	< 0.10	< 0.10							
Benzene	1.0	0.75	µg/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(a)anthracene	0.050	0.0012	µg/l	< 0.050	< 0.050	< 0.050							
Benzo(a)anthracene	0.50	0.0012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo(a)pyrene	0.050	0.00017	µg/l	< 0.050	< 0.050	< 0.050							
Benzo(a)pyrene	0.50	0.00017	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[g,h,i]perylene	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050							
Benzo[g,h,i]perylene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[k]fluoranthene	0.050	0.012	µg/l	< 0.050	< 0.050	< 0.050							
Benzo[k]fluoranthene	0.50	0.012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

Legend:

Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1593729	1605648	1623630	1592557	1602178	1621041	1598025	1605655	1621042	1592559
Sample Location	NA-BH045	NA-BH045	NA-BH045	NA-BH050	NA-BH050	NA-BH050	NA-BH056	NA-BH056	NA-BH056	NA-BH058
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	SAND	SAND	SAND	GRAVEL	GRAVEL	GRAVEL	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	GRAVEL, SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	16-Feb-2023	06-Mar-2023	13-Apr-2023	16-Feb-2023	02-Mar-2023	05-Apr-2023	17-Feb-2023	08-Mar-2023	05-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units										
Benzo[b]fluoranthene	0.050	0.0012	µg/l	< 0.050	< 0.050	< 0.050							
Benzo[b]fluoranthene	0.50	0.0012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Beta-HCH	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Biochemical Oxygen Demand Low Level	1.0	nv	mg/l	4	8	< 1.0	2	< 1.0	16	4	11	14	7
Bis(2-Chloroethoxy)Methane	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050							
Bis(2-Chloroethoxy)Methane	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Bis-(2-Chloroethyl)Ether	0.050	0.03	µg/l	< 0.050	< 0.050	< 0.050							
Bis-(2-Chloroethyl)Ether	0.50	0.03	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Bis(2-Chloroisopropyl)Ether	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050							
Bis(2-Chloroisopropyl)Ether	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Bis(2-Ethylhexyl)Phthalate	0.050	0.32	µg/l	< 0.050	< 0.050	< 0.050							
Bis(2-Ethylhexyl)Phthalate	0.50	0.32	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Bromobenzene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10							
Bromochloromethane	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50							
Bromodichloromethane	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50							
Bromomethane	2	nv	µg/l	< 2.0	< 2.0	< 2.0							
Butylbenzyl Phthalate	0.050	0.1	µg/l	< 0.050	< 0.050	< 0.050							
Butylbenzyl Phthalate	0.50	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Cadmium	0.08	0.08	µg/l	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	
Calcium	2.00	200	mg/l	87	86	83	85	80	92	79	110	96	89
Carbazole	0.050	nv	µg/l	< 0.050	< 0.050	< 0.050							
Carbazole	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Chemical Oxygen Demand	10	nv	mg/l	80	< 10	11	65	< 10	15	17	< 10	17	73
Chloride	1	187.5	mg/l	52	47	51	58	65	63	48	59	63	83
Chlorobenzene	0.1	1	µg/l	< 0.10	< 0.10	< 0.10							
Chloroethane	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20							
Chloromethane	0.1	nv	µg/l	< 0.10	< 0.10	< 0.10							
Chlortoluron	1	0.075	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chromium (Trivalent)	20	nv	µg/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Chrysene	0.05	0.12	µg/l	< 0.050	< 0.050	< 0.050							

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1593729	1605648	1623630	1592557	1602178	1621041	1598025	1605655	1621042	1592559
Sample Location	NA-BH045	NA-BH045	NA-BH045	NA-BH050	NA-BH050	NA-BH050	NA-BH056	NA-BH056	NA-BH056	NA-BH058
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	SAND	SAND	SAND	GRAVEL	GRAVEL	GRAVEL	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	GRAVEL, SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	16-Feb-2023	06-Mar-2023	13-Apr-2023	16-Feb-2023	02-Mar-2023	05-Apr-2023	17-Feb-2023	08-Mar-2023	05-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units										
Chrysene	0.5	0.12	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
cis-1,2-Dichloroethene	0.1	0.375	µg/l	< 0.10	< 0.10	< 0.10							
cis-1,3-Dichloropropene	1	nv	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Copper	0.5	1500	µg/l	0.53	< 0.50	< 0.50	0.85	2.4	1.3	3.4	0.96	0.54	2.3
dalaphon	0.1	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Delta-HCH	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Dibenz(a,h)Anthracene	0.05	0.00012	µg/l	< 0.050	< 0.050	< 0.050							
Dibenz(a,h)Anthracene	0.5	0.00012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Dibenzofuran	0.05	nv	µg/l	< 0.050	< 0.050	< 0.050							
Dibenzofuran	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Dibromochloromethane	1	0.8	µg/l	< 1.0	< 1.0	< 1.0							
Dibromomethane	0.1	nv	µg/l	< 0.10	< 0.10	< 0.10							
Dichlorodifluoromethane	0.1	nv	µg/l	< 0.10	< 0.10	< 0.10							
Dieldrin	0.2	0.075	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Diethyl Phthalate	0.05	600	µg/l	< 0.050	< 0.050	< 0.050							
Diethyl Phthalate	0.5	600	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Diethylene Glycol	0.1	No match	µg/l	< 0.10	< 0.10	< 0.10							
Dimethylphthalate	0.05	2000	µg/l	< 0.050	< 0.050	< 0.050							
Dimethylphthalate	0.5	2000	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Di-N-Butyl Phthalate	0.05	2	µg/l	< 0.050	< 0.050	< 0.050							
Di-N-Butyl Phthalate	0.5	2	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Di-N-Octyl Phthalate	0.05	nv	µg/l	< 0.050	< 0.050	< 0.050							
Di-N-Octyl Phthalate	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Diuron	1	0.075	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Endosulfan I	0.2	nv	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	
Endosulfan II	0.2	nv	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	
Endosulfan Sulphate	0.2	0.005	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	
Endrin	0.2	0.03	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	
Endrin Aldehyde	0.2	1	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	
Endrin Ketone	0.2	nv	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	

Legend:

Above LOD, below GSS	Zone	C
Above GSS	Installation Monitoring	SAND
LOD is greater than GSS	Sample Type	WATER
Below LOD	Date Sampled	16-Feb-2023

Chemtest Sample ID	1593729	1605648	1623630	1592557	1602178	1621041	1598025	1605655	1621042	1592559
Sample Location	NA-BH045	NA-BH045	NA-BH045	NA-BH050	NA-BH050	NA-BH050	NA-BH056	NA-BH056	NA-BH056	NA-BH058
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	SAND	SAND	SAND	GRAVEL	GRAVEL	GRAVEL	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	GRAVEL, SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	16-Feb-2023	06-Mar-2023	13-Apr-2023	16-Feb-2023	02-Mar-2023	05-Apr-2023	17-Feb-2023	08-Mar-2023	05-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units								
Ethylbenzene	0.1	10	µg/l	< 0.10	< 0.10	< 0.10					
Ethylbenzene	1	10	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylene Glycol	0.1	nv	mg/l	< 0.10	< 0.10	< 0.10					
Fluoranthene	0.05	1	µg/l	< 0.050	< 0.050	< 0.050					
Fluoranthene	0.5	1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluorene	0.05	50	µg/l	< 0.050	< 0.050	< 0.050					
Fluorene	0.5	50	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Gamma-Chlordane	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Gamma-HCH (Lindane)	0.2	4.2	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Glycols	0.1	No match	µg/l	< 0.10	< 0.10	< 0.10					
Heptachlor	0.2	0.0000002	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Heptachlor Epoxide	0.2	0.0000002	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Hexachlorobenzene	0.05	0.03	µg/l	< 0.050	< 0.050	< 0.050					
Hexachlorobenzene	0.5	0.03	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobutadiene	0.1	0.1	µg/l	< 0.10	< 0.10	< 0.10					
Hexachlorobutadiene	0.05	0.1	µg/l	< 0.050	< 0.050	< 0.050					
Hexachlorobutadiene	0.5	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorocyclopentadiene	0.05	4	µg/l	< 0.050	< 0.050	< 0.050					
Hexachlorocyclopentadiene	0.5	4	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachloroethane	0.05	0.1	µg/l	< 0.050	< 0.050	< 0.050					
Hexachloroethane	0.5	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	0.05	0.05	µg/l	< 0.050	< 0.050	< 0.050					
Indeno(1,2,3-c,d)Pyrene	0.5	0.05	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Iron	5	200	µg/l	< 5.0	< 5.0	< 5.0	< 5.0	8.2	< 5.0	17	< 5.0
Isophorone	0.05	34	µg/l	< 0.050	< 0.050	< 0.050					
Isophorone	0.5	34	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Isopropylbenzene	0.1	nv	µg/l	< 0.10	< 0.10	< 0.10					
Isoproturon	1	0.075	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead	0.5	7.5	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Linuron	1	nv	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Legend:

Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1593729	1605648	1623630	1592557	1602178	1621041	1598025	1605655	1621042	1592559
Sample Location	NA-BH045	NA-BH045	NA-BH045	NA-BH050	NA-BH050	NA-BH050	NA-BH056	NA-BH056	NA-BH056	NA-BH058
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	SAND	SAND	SAND	GRAVEL	GRAVEL	GRAVEL	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	GRAVEL, SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	16-Feb-2023	06-Mar-2023	13-Apr-2023	16-Feb-2023	02-Mar-2023	05-Apr-2023	17-Feb-2023	08-Mar-2023	05-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units									
Low-Level Chromium (Hexavalent)	20	nv	µg/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
m & p-Xylene	0.1	10	µg/l	< 0.10	< 0.10	< 0.10						
m & p-Xylene	1	10	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Magnesium	0.2	50	mg/l	26	27	24	20	21	21	24	21	17
Manganese	0.5	50	µg/l	600	570	500	0.59	0.77	1.4	12	25	3.3
Mercury	0.01	0.75	µg/l	< 0.010	< 0.010	< 0.010	< 0.010	0.02	< 0.010	< 0.010	0.01	< 0.010
Methoxychlor	0.2	0.02	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methyl Tert-Butyl Ether	0.1	10	µg/l	< 0.10	< 0.10	< 0.10						
Molybdenum	0.2	nv	µg/l	5	6.8	3.2	1.6	4.1	1.9	4.7	1.1	1.1
Monuron	1	nv	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	0.05	1	µg/l	< 0.050	< 0.050	< 0.050						
Naphthalene	0.5	1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Butylbenzene	0.1	nv	µg/l	< 0.10	< 0.10	< 0.10						
Nickel	0.5	15	µg/l	1.3	2.8	1.2	1.1	5.6	1.2	3.3	1.3	< 0.50
Nitrate	0.5	37.5	mg/l	< 0.50	< 0.50	0.56	53	61	57	2.1	19	18
Nitrobenzene	0.05	10	µg/l	< 0.050	< 0.050	< 0.050						
Nitrobenzene	0.5	10	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Nitrosodimethylamine	0.05	nv	µg/l	< 0.050	< 0.050	< 0.050						
N-Nitrosodimethylamine	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Nitrosodi-n-propylamine	0.05	0.005	µg/l	< 0.050	< 0.050	< 0.050						
N-Nitrosodi-n-propylamine	0.5	0.005	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Propylbenzene	0.1	nv	µg/l	< 0.10	< 0.10	< 0.10						
o-Xylene	0.1	10	µg/l	< 0.10	< 0.10	< 0.10						
o-Xylene	1	10	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
PCB 105	0.01	0.01	µg/l									
PCB 114	0.01	0.01	µg/l									
PCB 118	0.01	0.01	µg/l									
PCB 123	0.01	0.01	µg/l									
PCB 126	0.01	0.01	µg/l									
PCB 156	0.01	0.01	µg/l									
PCB 157	0.01	0.01	µg/l									
PCB 167	0.01	0.01	µg/l									
PCB 169	0.01	0.01	µg/l									

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1593729	1605648	1623630	1592557	1602178	1621041	1598025	1605655	1621042	1592559
Sample Location	NA-BH045	NA-BH045	NA-BH045	NA-BH050	NA-BH050	NA-BH050	NA-BH056	NA-BH056	NA-BH056	NA-BH058
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	SAND	SAND	SAND	GRAVEL	GRAVEL	GRAVEL	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	GRAVEL, SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	16-Feb-2023	06-Mar-2023	13-Apr-2023	16-Feb-2023	02-Mar-2023	05-Apr-2023	17-Feb-2023	08-Mar-2023	05-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units								
PCB 189	0.01	0.01	µg/l								
PCB 77	0.01	0.01	µg/l								
PCB 81	0.01	0.01	µg/l								
Pentachlorophenol	0.05	2	µg/l	< 0.050	< 0.050	< 0.050					
Pentachlorophenol	0.5	2	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phenanthrene	0.05	nv	µg/l	< 0.050	< 0.050	< 0.050					
Phenanthrene	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phenol	0.05	0.5	µg/l	< 0.050	< 0.050	< 0.050					
Phenol	0.5	0.5	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phosphate	0.2	nv	mg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
picloram	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Potassium	0.5	5	mg/l	3.3	2.9	2.3	1.8	1.8	2.3	3.6	2.9
Prometon	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Prometryn	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Propazine	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Propylene Glycol	0.10	nv	mg/l	< 0.10	< 0.10	< 0.10					
Pyrene	0.050	20	µg/l	< 0.050	< 0.050	< 0.050					
Pyrene	0.50	20	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Secbumeton	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Sec-Butylbenzene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10					
Selenium	0.50	170	µg/l	< 0.50	1.5	< 0.50	5.1	4.3	3.5	1.2	1.1
Simazine	0.20	0.075	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Simetryn	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Sodium	1.50	150	mg/l	43	43	36	52	53	45	43	18
Styrene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10					
Sulphate	1.0	187.5	mg/l	64	60	71	67	61	73	62	89
Suspended Solids At 105C	5.0	nv	mg/l	110	1700	140	850	14	12000	290	1900
SVOC TIC	N/A	nv	µg/l	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected
Terbutylazine	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Terbutryn	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Tert-Butylbenzene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10					



Appendix A11.2
Groundwater Quality Results

Legend:
Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1593729	1605648	1623630	1592557	1602178	1621041	1598025	1605655	1621042	1592559
Sample Location	NA-BH045	NA-BH045	NA-BH045	NA-BH050	NA-BH050	NA-BH050	NA-BH056	NA-BH056	NA-BH056	NA-BH058
Sampling Round	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	SAND	SAND	SAND	GRAVEL	GRAVEL	GRAVEL	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	CLAY, GRAVEL, MDST	GRAVEL, SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	16-Feb-2023	06-Mar-2023	13-Apr-2023	16-Feb-2023	02-Mar-2023	05-Apr-2023	17-Feb-2023	08-Mar-2023	05-Apr-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units									
Tetrachloroethene	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10						
Tetrachloromethane	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10						
Toluene	0.10	525	µg/l	< 0.10	< 0.10	< 0.10						
Toluene	1.0	525	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	5.0	nv	µg/l	< 5.0	1900	< 5.0	< 5.0	< 5.0	< 5.0	970	< 5.0	< 5.0
Total Aromatic Hydrocarbons	5.0	0.075	µg/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Dissolved Solids	1.0	1000	mg/l	440	440	440	460	430	480	450	520	430
Total PCBs (12 Congeners)	0.01	0.01	µg/l									
Total Petroleum Hydrocarbons	10	10	µg/l	< 10	1900	< 10	< 10	< 10	< 10	< 10	970	< 10
Total TPH>C5-C35	10	7.5	µg/l	< 10	< 10	< 10						
Trans 1,2-Dichloroethene	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10						
Trans 1,3-Dichloropropene	1	nv	µg/l	< 1.0	< 1.0	< 1.0						
Tribromomethane	1.0	nv	µg/l	< 1.0	< 1.0	< 1.0						
Trichloroethene	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10						
Trichlorofluoromethane	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10						
Trichloromethane	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10						
Triethylene Glycol	0.1	No match	µg/l	< 0.10	< 0.10	< 0.10						
Vinyl Chloride	0.10	0.375	µg/l	< 0.10	< 0.10	< 0.10						
Zinc	2.5	75	µg/l	4.3	6.6	5.4	< 2.5	< 2.5	5.2	< 2.5	8.3	6.4
												180

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1602177	1623625	1598024	1592560	1602176	1626809	1605650	1620271	1589199	1605651	1620271	1589198
Sample Location	NA-BH058	NA-BH058	NA-BH062	NA-BH069	NA-BH069	NA-BH069	NA-BH079	NA-BH079	NA-BH080	NA-BH080	NA-BH080	NA-BH085
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	GRAVEL, SAND	GRAVEL, SAND	CLAY	MDST, SST	MDST, SST	MDST, SST	BEDROCK (?)	BEDROCK (?)	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY, GRAVEL & ROCK
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	11-Apr-2023	17-Feb-2023	16-Feb-2023	28-Feb-2023	19-Apr-2023	17-Feb-2023	06-Mar-2023	09-Feb-2023	06-Mar-2023	04-Apr-2023	09-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units	1602177	1623625	1598024	1592560	1602176	1626809	1605650	1620271	1589199	1605651	1620271	1589198
1,1,1,2-Tetrachloroethane	0.20	nv	µg/l				< 0.20			< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
1,1,1-Trichloroethane	0.10	10000	µg/l				< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1,2-Trichloroethane	0.1	0.55	µg/l				< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloroethane	0.10	nv	µg/l				< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloroethene	0.10	nv	µg/l				< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,1-Dichloropropene	0.10	nv	µg/l				< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,3-Trichlorobenzene	0.20	nv	µg/l				< 0.20			< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
1,2,3-Trichloropropane	5	nv	µg/l				< 5			< 5	< 5	< 5	< 5	< 5	< 5
1,2,4-Trichlorobenzene	0.1	0.071	µg/l				< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2,4-Trichlorobenzene	0.050	0.071	µg/l				< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2,4-Trichlorobenzene	0.50	0.071	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,4-Trimethylbenzene	0.10	nv	µg/l				< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dibromo-3-Chloropropane	5	nv	µg/l				< 5			< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	0.50	nv	µg/l				< 0.50			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	0.10	1000	µg/l				< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,2-Dichlorobenzene	0.050	1000	µg/l				< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichlorobenzene	0.50	1000	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	0.20	2.25	µg/l				< 0.20			< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
1,2-Dichloropropane	0.10	0.9	µg/l				< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3,5-Trimethylbenzene	0.10	nv	µg/l				< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3-Dichlorobenzene	0.10	7	µg/l				< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,3-Dichlorobenzene	0.050	7	µg/l				< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,3-Dichlorobenzene	0.50	7	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichloropropane	0.20	nv	µg/l				< 0.20			< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
1,4-Dichlorobenzene	0.10	300	µg/l				< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1,4-Dichlorobenzene	0.050	300	µg/l				< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,4-Dichlorobenzene	0.50	300	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,5-Trichlorophenol	0.050	300	µg/l				< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2,4,5-Trichlorophenol	0.50	300	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,6-Trichlorophenol	0.050	200	µg/l				< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

Legend:

Above LOD, below GSS	Zone	C
Above GSS	Installation Monitoring	GRAVEL, SAND
LOD is greater than GSS	Sample Type	WATER
Below LOD	Date Sampled	02-Mar-2023

Chemtest Sample ID	1602177	1623625	1598024	1592560	1602176	1626809	1605650	1620271	1589199	1605651	1620271	1589198
Sample Location	NA-BH058	NA-BH058	NA-BH062	NA-BH069	NA-BH069	NA-BH069	NA-BH079	NA-BH079	NA-BH080	NA-BH080	NA-BH080	NA-BH085
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	GRAVEL, SAND	GRAVEL, SAND	CLAY	MDST, SST	MDST, SST	MDST, SST	BEDROCK (?)	BEDROCK (?)	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY, GRAVEL & ROCK
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	11-Apr-2023	17-Feb-2023	16-Feb-2023	28-Feb-2023	19-Apr-2023	17-Feb-2023	06-Mar-2023	09-Feb-2023	06-Mar-2023	04-Apr-2023	09-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units	1602177	1623625	1598024	1592560	1602176	1626809	1605650	1620271	1589199	1605651	1620271	1589198
2,4,6-Trichlorophenol	0.50	200	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dichlorophenol	0.050	10	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
2,4-Dichlorophenol	0.50	10	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dimethylphenol	0.050	100	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
2,4-Dimethylphenol	0.50	100	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dinitrotoluene	0.050	0.049	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
2,4-Dinitrotoluene	0.50	0.049	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,6-Dinitrotoluene	0.050	nv	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
2,6-Dinitrotoluene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chloronaphthalene	0.050	800	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
2-Chloronaphthalene	0.50	800	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorophenol	0.050	200	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
2-Chlorophenol	0.50	200	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorotoluene	0.10	nv	µg/l			< 0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
2-Methyl-4,6-Dinitrophenol	0.050	nv	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
2-Methyl-4,6-Dinitrophenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylnaphthalene	0.050	nv	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
2-Methylnaphthalene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylphenol (o-Cresol)	0.050	nv	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
2-Methylphenol (o-Cresol)	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitroaniline	0.050	nv	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
2-Nitroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitrophenol	0.050	nv	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
2-Nitrophenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
3-Nitroaniline	0.050	nv	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
3-Nitroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4,4-DDD	0.20	0.00012	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
4,4-DDE	0.20	0.00018	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
4,4-DDT	0.20	0.075	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
4-Bromophenylphenyl Ether	0.050	nv	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	

Legend:

Above LOD, below GSS	Zone	C	C	C	C	C	C	C	C	C	C	C	C
Above GSS	Installation Monitoring	GRAVEL, SAND	GRAVEL, SAND	CLAY	MDST, SST	MDST, SST	MDST, SST	BEDROCK (?)	BEDROCK (?)	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY, GRAVEL & ROCK
LOD is greater than GSS	Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Below LOD	Date Sampled	02-Mar-2023	11-Apr-2023	17-Feb-2023	16-Feb-2023	28-Feb-2023	19-Apr-2023	17-Feb-2023	06-Mar-2023	09-Feb-2023	06-Mar-2023	04-Apr-2023	09-Feb-2023

Chemtest Sample ID	1602177	1623625	1598024	1592560	1602176	1626809	1605650	1620271	1589199	1605651	1620271	1589198
Sample Location	NA-BH058	NA-BH058	NA-BH062	NA-BH069	NA-BH069	NA-BH069	NA-BH079	NA-BH079	NA-BH080	NA-BH080	NA-BH080	NA-BH085
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	GRAVEL, SAND	GRAVEL, SAND	CLAY	MDST, SST	MDST, SST	MDST, SST	BEDROCK (?)	BEDROCK (?)	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY, GRAVEL & ROCK
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	11-Apr-2023	17-Feb-2023	16-Feb-2023	28-Feb-2023	19-Apr-2023	17-Feb-2023	06-Mar-2023	09-Feb-2023	06-Mar-2023	04-Apr-2023	09-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units												
4-Bromophenylphenyl Ether	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
4-Chloro-3-Methylphenol	0.050	nv	µg/l			< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
4-Chloro-3-Methylphenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
4-Chloroaniline	0.050	nv	µg/l			< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
4-Chloroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
4-Chlorophenylphenylether	0.050	nv	µg/l			< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
4-Chlorophenylphenylether	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
4-Chlorotoluene	0.10	nv	µg/l			< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
4-Isopropyltoluene	0.10	nv	µg/l			< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
4-Methylphenol	0.050	nv	µg/l			< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
4-Methylphenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
4-Nitroaniline	0.050	nv	µg/l			< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
4-Nitroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
4-Nitrophenol	0.050	nv	µg/l			< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
4-Nitrophenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Acenaphthene	0.050	70	µg/l			< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
Acenaphthene	0.50	70	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Acenaphthylene	0.050	nv	µg/l			< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
Acenaphthylene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Aldrin	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Aliphatic TPH >C10-C12	0.10	400	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C12-C16	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C16-C21	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C21-C35	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C35-C44	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C5-C6	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C6-C8	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aliphatic TPH >C8-C10	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Alkalinity (Total)	10	nv	mg/l	600	230	330	410	410	400	1600	790	340	1500	680	310
Alpha-Chlordane	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1602177	1623625	1598024	1592560	1602176	1626809	1605650	1620271	1589199	1605651	1620271	1589198
Sample Location	NA-BH058	NA-BH058	NA-BH062	NA-BH069	NA-BH069	NA-BH069	NA-BH079	NA-BH079	NA-BH080	NA-BH080	NA-BH080	NA-BH085
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	GRAVEL, SAND	GRAVEL, SAND	CLAY	MDST, SST	MDST, SST	MDST, SST	BEDROCK (?)	BEDROCK (?)	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY, GRAVEL & ROCK
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	11-Apr-2023	17-Feb-2023	16-Feb-2023	28-Feb-2023	19-Apr-2023	17-Feb-2023	06-Mar-2023	09-Feb-2023	06-Mar-2023	04-Apr-2023	09-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units												
Alpha-HCH	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Ametryn	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Ammoniacal Nitrogen as NH3	0.050	0.065	mg/l	1.4	0.21	< 0.050	0.12	< 0.050	0.11	110	45	20	120	2.6	0.12
Anthracene	0.050	0.1	µg/l			< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
Anthracene	0.50	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Antimony	0.50	5.6	µg/l	1.9	< 0.50	< 0.50	0.8	2.3	< 0.50	< 0.50	< 0.50	3.4	< 0.50	< 0.50	< 0.50
Aromatic TPH >C10-C12	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C12-C16	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C16-C21	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C21-C35	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C35-C44	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C5-C7	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C7-C8	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C8-C10	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Arsenic	0.20	7.5	µg/l	1.9	6.4	6.2	2.9	1.8	1.3	13	1.7	2.2	13	0.75	< 0.20
Atraton	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Atrazine	0.20	0.075	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Azobenzene	0.050	nv	µg/l			< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
Azobenzene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Barium	5.00	100	µg/l	240	95	44	73	54	59	260	250	36	250	40	180
Benzene	0.10	0.75	µg/l			< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Benzene	1.0	0.75	µg/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(a)anthracene	0.050	0.0012	µg/l			< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
Benzo(a)anthracene	0.50	0.0012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo(a)pyrene	0.050	0.00017	µg/l			< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
Benzo(a)pyrene	0.50	0.00017	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[g,h,i]perylene	0.050	nv	µg/l			< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
Benzo[g,h,i]perylene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Benzo[k]fluoranthene	0.050	0.012	µg/l			< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
Benzo[k]fluoranthene	0.50	0.012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

Legend:

Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1602177	1623625	1598024	1592560	1602176	1626809	1605650	1620271	1589199	1605651	1620271	1589198
Sample Location	NA-BH058	NA-BH058	NA-BH062	NA-BH069	NA-BH069	NA-BH069	NA-BH079	NA-BH079	NA-BH080	NA-BH080	NA-BH080	NA-BH085
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	GRAVEL, SAND	GRAVEL, SAND	CLAY	MDST, SST	MDST, SST	MDST, SST	BEDROCK (?)	BEDROCK (?)	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY, GRAVEL & ROCK
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	11-Apr-2023	17-Feb-2023	16-Feb-2023	28-Feb-2023	19-Apr-2023	17-Feb-2023	06-Mar-2023	09-Feb-2023	06-Mar-2023	04-Apr-2023	09-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units											
Benzo[b]fluoranthene	0.050	0.0012	µg/l			< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
Benzo[b]fluoranthene	0.50	0.0012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Beta-HCH	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Biochemical Oxygen Demand Low Level	1.0	nv	mg/l	< 1.0	< 1.0	2	< 1.0	< 1.0	3.4	13	4	< 1.0	15	5
Bis(2-Chloroethoxy)Methane	0.050	nv	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bis(2-Chloroethoxy)Methane	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis-(2-Chloroethyl)Ether	0.050	0.03	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bis-(2-Chloroethyl)Ether	0.50	0.03	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Chloroisopropyl)Ether	0.050	nv	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bis(2-Chloroisopropyl)Ether	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bis(2-Ethylhexyl)Phthalate	0.050	0.32	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bis(2-Ethylhexyl)Phthalate	0.50	0.32	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromobenzene	0.10	nv	µg/l			< 0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Bromochloromethane	0.50	nv	µg/l			< 0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	0.50	nv	µg/l			< 0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromomethane	2	nv	µg/l			< 2.0				< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Butylbenzyl Phthalate	0.050	0.1	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Butylbenzyl Phthalate	0.50	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	0.08	0.08	µg/l	< 0.08	< 0.08	< 0.08	1.3	0.17	0.31	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Calcium	2.00	200	mg/l	110	57	80	120	110	130	130	150	85	120	340
Carbazole	0.050	nv	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Carbazole	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chemical Oxygen Demand	10	nv	mg/l	< 10	< 10	< 10	58	< 10	< 10	90	46	710	90	35
Chloride	1	187.5	mg/l	110	26	47	44	42	41	180	82	46	190	58
Chlorobenzene	0.1	1	µg/l			< 0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chloroethane	0.2	nv	µg/l			< 0.20				< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Chloromethane	0.1	nv	µg/l			< 0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chlortoluron	1	0.075	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chromium (Trivalent)	20	nv	µg/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Chrysene	0.05	0.12	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1602177	1623625	1598024	1592560	1602176	1626809	1605650	1620271	1589199	1605651	1620271	1589198
Sample Location	NA-BH058	NA-BH058	NA-BH062	NA-BH069	NA-BH069	NA-BH069	NA-BH079	NA-BH079	NA-BH080	NA-BH080	NA-BH080	NA-BH085
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	GRAVEL, SAND	GRAVEL, SAND	CLAY	MDST, SST	MDST, SST	MDST, SST	BEDROCK (?)	BEDROCK (?)	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY, GRAVEL & ROCK
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	11-Apr-2023	17-Feb-2023	16-Feb-2023	28-Feb-2023	19-Apr-2023	17-Feb-2023	06-Mar-2023	09-Feb-2023	06-Mar-2023	04-Apr-2023	09-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units											
Chrysene	0.5	0.12	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,2-Dichloroethene	0.1	0.375	µg/l			< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
cis-1,3-Dichloropropene	1	nv	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	0.5	1500	µg/l	1.8	1.9	3.9	0.65	< 0.50	3.3	3.1	4.7	2.5	3	1.6
dalaphon	0.1	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Delta-HCH	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Dibenz(a,h)Anthracene	0.05	0.00012	µg/l			< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
Dibenz(a,h)Anthracene	0.5	0.00012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibenzofuran	0.05	nv	µg/l			< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
Dibenzofuran	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromochloromethane	1	0.8	µg/l			< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Dibromomethane	0.1	nv	µg/l			< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Dichlorodifluoromethane	0.1	nv	µg/l			< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Dieldrin	0.2	0.075	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diethyl Phthalate	0.05	600	µg/l			< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
Diethyl Phthalate	0.5	600	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diethylene Glycol	0.1	No match	µg/l			< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Dimethylphthalate	0.05	2000	µg/l			< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
Dimethylphthalate	0.5	2000	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Butyl Phthalate	0.05	2	µg/l			< 0.050		< 0.050	< 0.050	0.35	< 0.050	< 0.050	< 0.050	
Di-N-Butyl Phthalate	0.5	2	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Octyl Phthalate	0.05	nv	µg/l			< 0.050		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
Di-N-Octyl Phthalate	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diuron	1	0.075	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Endosulfan I	0.2	nv	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endosulfan II	0.2	nv	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endosulfan Sulphate	0.2	0.005	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endrin	0.2	0.03	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endrin Aldehyde	0.2	1	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endrin Ketone	0.2	nv	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1602177	1623625	1598024	1592560	1602176	1626809	1605650	1620271	1589199	1605651	1620271	1589198
Sample Location	NA-BH058	NA-BH058	NA-BH062	NA-BH069	NA-BH069	NA-BH069	NA-BH079	NA-BH079	NA-BH080	NA-BH080	NA-BH080	NA-BH085
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	GRAVEL, SAND	GRAVEL, SAND	CLAY	MDST, SST	MDST, SST	MDST, SST	BEDROCK (?)	BEDROCK (?)	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY, GRAVEL & ROCK
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	11-Apr-2023	17-Feb-2023	16-Feb-2023	28-Feb-2023	19-Apr-2023	17-Feb-2023	06-Mar-2023	09-Feb-2023	06-Mar-2023	04-Apr-2023	09-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units	1602177	1623625	1598024	1592560	1602176	1626809	1605650	1620271	1589199	1605651	1620271	1589198
Ethylbenzene	0.1	10	µg/l			< 0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Ethylbenzene	1	10	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylene Glycol	0.1	nv	mg/l			< 0.10				< 0.10	< 0.10				
Fluoranthene	0.05	1	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fluoranthene	0.5	1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluorene	0.05	50	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Fluorene	0.5	50	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Gamma-Chlordane	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Gamma-HCH (Lindane)	0.2	4.2	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Glycols	0.1	No match	µg/l			< 0.10				< 0.10	< 0.10				
Heptachlor	0.2	0.0000002	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Heptachlor Epoxide	0.2	0.0000002	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Hexachlorobenzene	0.05	0.03	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Hexachlorobenzene	0.5	0.03	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobutadiene	0.1	0.1	µg/l			< 0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Hexachlorobutadiene	0.05	0.1	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Hexachlorobutadiene	0.5	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorocyclopentadiene	0.05	4	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Hexachlorocyclopentadiene	0.5	4	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachloroethane	0.05	0.1	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Hexachloroethane	0.5	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	0.05	0.05	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Indeno(1,2,3-c,d)Pyrene	0.5	0.05	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Iron	5	200	µg/l	8.4	< 5.0	17	< 5.0	< 5.0	< 5.0	33	11	1400	27	12	< 5.0
Isophorone	0.05	34	µg/l			< 0.050				< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Isophorone	0.5	34	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Isopropylbenzene	0.1	nv	µg/l			< 0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Isoproturon	1	0.075	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead	0.5	7.5	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.96	0.73	< 0.50	< 0.50	< 0.50
Linuron	1	nv	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1602177	1623625	1598024	1592560	1602176	1626809	1605650	1620271	1589199	1605651	1620271	1589198
Sample Location	NA-BH058	NA-BH058	NA-BH062	NA-BH069	NA-BH069	NA-BH069	NA-BH079	NA-BH079	NA-BH080	NA-BH080	NA-BH080	NA-BH085
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	GRAVEL, SAND	GRAVEL, SAND	CLAY	MDST, SST	MDST, SST	MDST, SST	BEDROCK (?)	BEDROCK (?)	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY, GRAVEL & ROCK
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	11-Apr-2023	17-Feb-2023	16-Feb-2023	28-Feb-2023	19-Apr-2023	17-Feb-2023	06-Mar-2023	09-Feb-2023	06-Mar-2023	04-Apr-2023	09-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units											
Low-Level Chromium (Hexavalent)	20	nv	µg/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
m & p-Xylene	0.1	10	µg/l			< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
m & p-Xylene	1	10	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Magnesium	0.2	50	mg/l	35	6.1	24	17	17	15	52	41	13	54	42
Manganese	0.5	50	µg/l	300	220	74	500	300	590	610	910	270	610	930
Mercury	0.01	0.75	µg/l	0.018	< 0.010	< 0.010	< 0.010	0.02	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methoxychlor	0.2	0.02	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methyl Tert-Butyl Ether	0.1	10	µg/l			< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Molybdenum	0.2	nv	µg/l	6.1	2.6	4.7	9.2	15	8.4	3.8	2.5	10	3.3	3.1
Monuron	1	nv	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	0.05	1	µg/l			< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Naphthalene	0.5	1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Butylbenzene	0.1	nv	µg/l			< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	0.5	15	µg/l	47	1.2	3	82	43	7.6	42	21	13	44	2.7
Nitrate	0.5	37.5	mg/l	< 0.50	2.5	2.4	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	3.5	< 0.50	< 0.50
Nitrobenzene	0.05	10	µg/l			< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Nitrobenzene	0.5	10	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Nitrosodimethylamine	0.05	nv	µg/l			< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
N-Nitrosodimethylamine	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Nitrosodi-n-propylamine	0.05	0.005	µg/l			< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
N-Nitrosodi-n-propylamine	0.5	0.005	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Propylbenzene	0.1	nv	µg/l			< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
o-Xylene	0.1	10	µg/l			< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
o-Xylene	1	10	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
PCB 105	0.01	0.01	µg/l											
PCB 114	0.01	0.01	µg/l											
PCB 118	0.01	0.01	µg/l											
PCB 123	0.01	0.01	µg/l											
PCB 126	0.01	0.01	µg/l											
PCB 156	0.01	0.01	µg/l											
PCB 157	0.01	0.01	µg/l											
PCB 167	0.01	0.01	µg/l											
PCB 169	0.01	0.01	µg/l											



Appendix A11.2
Groundwater Quality Results

Legend:
Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1602177	1623625	1598024	1592560	1602176	1626809	1605650	1620271	1589199	1605651	1620271	1589198
Sample Location	NA-BH058	NA-BH058	NA-BH062	NA-BH069	NA-BH069	NA-BH069	NA-BH079	NA-BH079	NA-BH080	NA-BH080	NA-BH080	NA-BH085
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	GRAVEL, SAND	GRAVEL, SAND	CLAY	MDST, SST	MDST, SST	MDST, SST	BEDROCK (?)	BEDROCK (?)	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY, GRAVEL & ROCK
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	11-Apr-2023	17-Feb-2023	16-Feb-2023	28-Feb-2023	19-Apr-2023	17-Feb-2023	06-Mar-2023	09-Feb-2023	06-Mar-2023	04-Apr-2023	09-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units												
PCB 189	0.01	0.01	µg/l												
PCB 77	0.01	0.01	µg/l												
PCB 81	0.01	0.01	µg/l												
Pentachlorophenol	0.05	2	µg/l			< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050		
Pentachlorophenol	0.5	2	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Phenanthrene	0.05	nv	µg/l			< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050		
Phenanthrene	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Phenol	0.05	0.5	µg/l			< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050		
Phenol	0.5	0.5	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Phosphate	0.2	nv	mg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.8	< 0.20	< 0.20		
picloram	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Potassium	0.5	5	mg/l	10	1.7	3.6	1.6	1.9	1.6	79	41	22	86	8.6	2.9
Prometon	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Prometryn	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Propazine	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Propylene Glycol	0.10	nv	mg/l			< 0.10			< 0.10	< 0.10					
Pyrene	0.050	20	µg/l			< 0.050			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050		
Pyrene	0.50	20	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Secbumeton	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20		
Sec-Butylbenzene	0.10	nv	µg/l			< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		
Selenium	0.50	170	µg/l	1.3	1.2	0.78	1.5	8.2	< 0.50	1.9	2.7	1	1.7	0.58	4.1
Simazine	0.20	0.075	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Simetryn	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Sodium	1.50	150	mg/l	93	24	43	31	32	28	170	94	38	170	67	190
Styrene	0.10	nv	µg/l			< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Sulphate	1.0	187.5	mg/l	52	24	62	66	71	63	33	140	60	26	440	100
Suspended Solids At 105C	5.0	nv	mg/l	210	120	630	230	290	93	71	22	27	39	110	560
SVOC TIC	N/A	nv	µg/l	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected
Terbutylazine	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Terbutryn	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Tert-Butylbenzene	0.10	nv	µg/l			< 0.10			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	



Appendix A11.2
Groundwater Quality Results

Legend:
Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1602177	1623625	1598024	1592560	1602176	1626809	1605650	1620271	1589199	1605651	1620271	1589198
Sample Location	NA-BH058	NA-BH058	NA-BH062	NA-BH069	NA-BH069	NA-BH069	NA-BH079	NA-BH079	NA-BH080	NA-BH080	NA-BH080	NA-BH085
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1
Zone	C	C	C	C	C	C	C	C	C	C	C	C
Installation Monitoring	GRAVEL, SAND	GRAVEL, SAND	CLAY	MDST, SST	MDST, SST	MDST, SST	BEDROCK (?)	BEDROCK (?)	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	SAND, CLAY & GRAVEL	CLAY, GRAVEL & ROCK
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	11-Apr-2023	17-Feb-2023	16-Feb-2023	28-Feb-2023	19-Apr-2023	17-Feb-2023	06-Mar-2023	09-Feb-2023	06-Mar-2023	04-Apr-2023	09-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units										
Tetrachloroethene	0.10	7.5	µg/l				< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Tetrachloromethane	0.10	nv	µg/l				< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Toluene	0.10	525	µg/l				< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Toluene	1.0	525	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	5.0	nv	µg/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	1800	< 5.0	< 5.0	1600
Total Aromatic Hydrocarbons	5.0	0.075	µg/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Dissolved Solids	1.0	1000	mg/l	680	250	460	510	390	460	1700	1200	480	1700
Total PCBs (12 Congeners)	0.01	0.01	µg/l										
Total Petroleum Hydrocarbons	10	10	µg/l	< 10	< 10	< 10	< 10	< 10	< 10	1800	< 10	< 10	1600
Total TPH>C5-C35	10	7.5	µg/l										
Trans 1,2-Dichloroethene	0.10	nv	µg/l				< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trans 1,3-Dichloropropene	1	nv	µg/l				< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	1.0	nv	µg/l				< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	0.10	7.5	µg/l				< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trichlorofluoromethane	0.10	nv	µg/l				< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trichloromethane	0.10	nv	µg/l				< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Triethylene Glycol	0.1	No match	µg/l				< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Vinyl Chloride	0.10	0.375	µg/l				< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Zinc	2.5	75	µg/l	< 2.5	13	2.6	130	< 2.5	15	16	6.4	130	14



Appendix A11.2
Groundwater Quality Results

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1598748	1622289	1598026	1598747	1622290	1600704	1589197	1605664	1623629	1598027	1605657	1593730
Sample Location	NA-BH085	NA-BH085	NA-BH087	NA-BH087	NA-BH087	NA-BH213	NA-BH222	NA-BH222	NA-BH222	NA-BH225	NA-BH225	NA-BH234
Sampling Round	Round 2	Round 3	Round 1	Round 2	Round 3	Round 2	Round 1	Round 2	Round 3	Round 1	Round 2	Round 1
Zone	C	C	C	C	C	E	E	E	E	D	D	D
Installation Monitoring	CLAY, GRAVEL & ROCK	CLAY, GRAVEL & ROCK	SST	SST	SST	SAND	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	SILT, CLAY	SILT, CLAY	SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	27-Feb-2023	11-Apr-2023	17-Feb-2023	27-Feb-2023	11-Apr-2023	27-Feb-2023	09-Feb-2023	02-Mar-2023	13-Apr-2023	17-Feb-2023	08-Mar-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units										
1,1,1,2-Tetrachloroethane	0.20	nv	µg/l						< 0.20			< 0.20	< 0.20
1,1,1-Trichloroethane	0.10	10000	µg/l						< 0.10			< 0.10	< 0.10
1,1,2-Trichloroethane	0.1	0.55	µg/l						< 0.10			< 0.10	< 0.10
1,1-Dichloroethane	0.10	nv	µg/l						< 0.10			< 0.10	< 0.10
1,1-Dichloroethene	0.10	nv	µg/l						< 0.10			< 0.10	< 0.10
1,1-Dichloropropene	0.10	nv	µg/l						< 0.10			< 0.10	< 0.10
1,2,3-Trichlorobenzene	0.20	nv	µg/l						< 0.20			< 0.20	< 0.20
1,2,3-Trichloropropane	5	nv	µg/l						< 5			< 5	< 5
1,2,4-Trichlorobenzene	0.1	0.071	µg/l						< 0.10			< 0.10	< 0.10
1,2,4-Trichlorobenzene	0.050	0.071	µg/l						< 0.050			< 0.050	< 0.050
1,2,4-Trichlorobenzene	0.50	0.071	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,4-Trimethylbenzene	0.10	nv	µg/l						< 0.10			< 0.10	< 0.10
1,2-Dibromo-3-Chloropropane	5	nv	µg/l						< 5			< 5	< 5
1,2-Dibromoethane	0.50	nv	µg/l						< 0.50			< 0.50	< 0.50
1,2-Dichlorobenzene	0.10	1000	µg/l						< 0.10			< 0.10	< 0.10
1,2-Dichlorobenzene	0.050	1000	µg/l						< 0.050			< 0.050	< 0.050
1,2-Dichlorobenzene	0.50	1000	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	0.20	2.25	µg/l						< 0.20			< 0.20	< 0.20
1,2-Dichloropropane	0.10	0.9	µg/l						< 0.10			< 0.10	< 0.10
1,3,5-Trimethylbenzene	0.10	nv	µg/l						< 0.10			< 0.10	< 0.10
1,3-Dichlorobenzene	0.10	7	µg/l						< 0.10			< 0.10	< 0.10
1,3-Dichlorobenzene	0.050	7	µg/l						< 0.050			< 0.050	< 0.050
1,3-Dichlorobenzene	0.50	7	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichloropropane	0.20	nv	µg/l						< 0.20			< 0.20	< 0.20
1,4-Dichlorobenzene	0.10	300	µg/l						< 0.10			< 0.10	< 0.10
1,4-Dichlorobenzene	0.050	300	µg/l						< 0.050			< 0.050	< 0.050
1,4-Dichlorobenzene	0.50	300	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,5-Trichlorophenol	0.050	300	µg/l						< 0.050			< 0.050	< 0.050
2,4,5-Trichlorophenol	0.50	300	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,6-Trichlorophenol	0.050	200	µg/l						< 0.050			< 0.050	< 0.050



Appendix A11.2
Groundwater Quality Results

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1598748	1622289	1598026	1598747	1622290	1600704	1589197	1605664	1623629	1598027	1605657	1593730
Sample Location	NA-BH085	NA-BH085	NA-BH087	NA-BH087	NA-BH087	NA-BH213	NA-BH222	NA-BH222	NA-BH222	NA-BH225	NA-BH225	NA-BH234
Sampling Round	Round 2	Round 3	Round 1	Round 2	Round 3	Round 2	Round 1	Round 2	Round 3	Round 1	Round 2	Round 1
Zone	C	C	C	C	C	E	E	E	E	D	D	D
Installation Monitoring	CLAY, GRAVEL & ROCK	CLAY, GRAVEL & ROCK	SST	SST	SST	SAND	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	SILT, CLAY	SILT, CLAY	SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	27-Feb-2023	11-Apr-2023	17-Feb-2023	27-Feb-2023	11-Apr-2023	27-Feb-2023	09-Feb-2023	02-Mar-2023	13-Apr-2023	17-Feb-2023	08-Mar-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units										
2,4,6-Trichlorophenol	0.50	200	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dichlorophenol	0.050	10	µg/l					< 0.050		< 0.050		< 0.050	
2,4-Dichlorophenol	0.50	10	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dimethylphenol	0.050	100	µg/l					< 0.050		< 0.050		< 0.050	
2,4-Dimethylphenol	0.50	100	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dinitrotoluene	0.050	0.049	µg/l					< 0.050		< 0.050		< 0.050	
2,4-Dinitrotoluene	0.50	0.049	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,6-Dinitrotoluene	0.050	nv	µg/l					< 0.050		< 0.050		< 0.050	
2,6-Dinitrotoluene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chloronaphthalene	0.050	800	µg/l					< 0.050		< 0.050		< 0.050	
2-Chloronaphthalene	0.50	800	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorophenol	0.050	200	µg/l					< 0.050		< 0.050		< 0.050	
2-Chlorophenol	0.50	200	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorotoluene	0.10	nv	µg/l					< 0.10		< 0.10		< 0.10	
2-Methyl-4,6-Dinitrophenol	0.050	nv	µg/l					< 0.050		< 0.050		< 0.050	
2-Methyl-4,6-Dinitrophenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylnaphthalene	0.050	nv	µg/l					< 0.050		< 0.050		< 0.050	
2-Methylnaphthalene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylphenol (o-Cresol)	0.050	nv	µg/l					< 0.050		< 0.050		< 0.050	
2-Methylphenol (o-Cresol)	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitroaniline	0.050	nv	µg/l					< 0.050		< 0.050		< 0.050	
2-Nitroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitrophenol	0.050	nv	µg/l					< 0.050		< 0.050		< 0.050	
2-Nitrophenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
3-Nitroaniline	0.050	nv	µg/l					< 0.050		< 0.050		< 0.050	
3-Nitroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4,4-DDD	0.20	0.00012	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
4,4-DDE	0.20	0.00018	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
4,4-DDT	0.20	0.075	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
4-Bromophenylphenyl Ether	0.050	nv	µg/l					< 0.050		< 0.050		< 0.050	

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1598748	1622289	1598026	1598747	1622290	1600704	1589197	1605664	1623629	1598027	1605657	1593730
Sample Location	NA-BH085	NA-BH085	NA-BH087	NA-BH087	NA-BH087	NA-BH213	NA-BH222	NA-BH222	NA-BH222	NA-BH225	NA-BH225	NA-BH234
Sampling Round	Round 2	Round 3	Round 1	Round 2	Round 3	Round 2	Round 1	Round 2	Round 3	Round 1	Round 2	Round 1
Zone	C	C	C	C	C	E	E	E	E	D	D	D
Installation Monitoring	CLAY, GRAVEL & ROCK	CLAY, GRAVEL & ROCK	SST	SST	SST	SAND	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	SILT, CLAY	SILT, CLAY	SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	27-Feb-2023	11-Apr-2023	17-Feb-2023	27-Feb-2023	11-Apr-2023	27-Feb-2023	09-Feb-2023	02-Mar-2023	13-Apr-2023	17-Feb-2023	08-Mar-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units											
4-Bromophenylphenyl Ether	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloro-3-Methylphenol	0.050	nv	µg/l					< 0.050			< 0.050		< 0.050	
4-Chloro-3-Methylphenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	0.050	nv	µg/l					< 0.050			< 0.050		< 0.050	
4-Chloroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorophenylphenylether	0.050	nv	µg/l					< 0.050			< 0.050		< 0.050	
4-Chlorophenylphenylether	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorotoluene	0.10	nv	µg/l					< 0.10			< 0.10		< 0.10	
4-Isopropyltoluene	0.10	nv	µg/l					< 0.10			< 0.10		< 0.10	
4-Methylphenol	0.050	nv	µg/l					< 0.050			< 0.050		< 0.050	
4-Methylphenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitroaniline	0.050	nv	µg/l					< 0.050			< 0.050		< 0.050	
4-Nitroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitrophenol	0.050	nv	µg/l					< 0.050			< 0.050		< 0.050	
4-Nitrophenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthene	0.050	70	µg/l					< 0.050			< 0.050		< 0.050	
Acenaphthene	0.50	70	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthylene	0.050	nv	µg/l					< 0.050			< 0.050		< 0.050	
Acenaphthylene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aldrin	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Aliphatic TPH >C10-C12	0.10	400	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C12-C16	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C16-C21	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2600	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C21-C35	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	16000	< 0.10	< 0.10	< 0.10	< 0.10	940
Aliphatic TPH >C35-C44	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C5-C6	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C6-C8	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C8-C10	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Alkalinity (Total)	10	nv	mg/l	400	230	340	360	240	360	270	460	220	350	420
Alpha-Chlordane	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20



Appendix A11.2
Groundwater Quality Results

Legend:
Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1598748	1622289	1598026	1598747	1622290	1600704	1589197	1605664	1623629	1598027	1605657	1593730
Sample Location	NA-BH085	NA-BH085	NA-BH087	NA-BH087	NA-BH087	NA-BH213	NA-BH222	NA-BH222	NA-BH222	NA-BH225	NA-BH225	NA-BH234
Sampling Round	Round 2	Round 3	Round 1	Round 2	Round 3	Round 2	Round 1	Round 2	Round 3	Round 1	Round 2	Round 1
Zone	C	C	C	C	C	E	E	E	E	D	D	D
Installation Monitoring	CLAY, GRAVEL & ROCK	CLAY, GRAVEL & ROCK	SST	SST	SST	SAND	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	SILT, CLAY	SILT, CLAY	SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	27-Feb-2023	11-Apr-2023	17-Feb-2023	27-Feb-2023	11-Apr-2023	27-Feb-2023	09-Feb-2023	02-Mar-2023	13-Apr-2023	17-Feb-2023	08-Mar-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units												
Alpha-HCH	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Ametryn	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Ammoniacal Nitrogen as NH3	0.050	0.065	mg/l	< 0.050	0.58	< 0.050	< 0.050	0.65	0.11	0.072	4.4	0.11	< 0.050	0.26	0.054
Anthracene	0.050	0.1	µg/l					< 0.050					< 0.050	< 0.050	
Anthracene	0.50	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Antimony	0.50	5.6	µg/l	< 0.50	< 0.50	< 0.50	0.79	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Aromatic TPH >C10-C12	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C12-C16	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C16-C21	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C21-C35	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C35-C44	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C5-C7	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C7-C8	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C8-C10	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Arsenic	0.20	7.5	µg/l	< 0.20	0.59	6.5	< 0.20	< 0.20	< 0.20	< 0.20	0.24	0.35	8.4	1	0.23
Atraton	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Atrazine	0.20	0.075	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Azobenzene	0.050	nv	µg/l					< 0.050					< 0.050	< 0.050	
Azobenzene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Barium	5.00	100	µg/l	80	160	42	92	84	180	83	67	69	45	76	160
Benzene	0.10	0.75	µg/l					< 0.10					< 0.10	< 0.10	
Benzene	1.0	0.75	µg/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Benzo(a)anthracene	0.050	0.0012	µg/l					< 0.050					< 0.050	< 0.050	
Benzo(a)anthracene	0.50	0.0012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Benzo(a)pyrene	0.050	0.00017	µg/l					< 0.050					< 0.050	< 0.050	
Benzo(a)pyrene	0.50	0.00017	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Benzo[g,h,i]perylene	0.050	nv	µg/l					< 0.050					< 0.050	< 0.050	
Benzo[g,h,i]perylene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Benzo[k]fluoranthene	0.050	0.012	µg/l					< 0.050					< 0.050	< 0.050	
Benzo[k]fluoranthene	0.50	0.012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1598748	1622289	1598026	1598747	1622290	1600704	1589197	1605664	1623629	1598027	1605657	1593730
Sample Location	NA-BH085	NA-BH085	NA-BH087	NA-BH087	NA-BH087	NA-BH213	NA-BH222	NA-BH222	NA-BH222	NA-BH225	NA-BH225	NA-BH234
Sampling Round	Round 2	Round 3	Round 1	Round 2	Round 3	Round 2	Round 1	Round 2	Round 3	Round 1	Round 2	Round 1
Zone	C	C	C	C	C	E	E	E	E	D	D	D
Installation Monitoring	CLAY, GRAVEL & ROCK	CLAY, GRAVEL & ROCK	SST	SST	SST	SAND	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	SILT, CLAY	SILT, CLAY	SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	27-Feb-2023	11-Apr-2023	17-Feb-2023	27-Feb-2023	11-Apr-2023	27-Feb-2023	09-Feb-2023	02-Mar-2023	13-Apr-2023	17-Feb-2023	08-Mar-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units												
Benzo[b]fluoranthene	0.050	0.0012	µg/l					< 0.050			< 0.050		< 0.050		
Benzo[b]fluoranthene	0.50	0.0012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Beta-HCH	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20		
Biochemical Oxygen Demand Low Level	1.0	nv	mg/l	2	< 1.0	4	3	< 1.0	4	3	5.7	< 1.0	2	11	6
Bis(2-Chloroethoxy)Methane	0.050	nv	µg/l					< 0.050			< 0.050		< 0.050		
Bis(2-Chloroethoxy)Methane	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Bis-(2-Chloroethyl)Ether	0.050	0.03	µg/l					< 0.050			< 0.050		< 0.050		
Bis-(2-Chloroethyl)Ether	0.50	0.03	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Bis(2-Chloroisopropyl)Ether	0.050	nv	µg/l					< 0.050			< 0.050		< 0.050		
Bis(2-Chloroisopropyl)Ether	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Bis(2-Ethylhexyl)Phthalate	0.050	0.32	µg/l					< 0.050			< 0.050		< 0.050		
Bis(2-Ethylhexyl)Phthalate	0.50	0.32	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Bromobenzene	0.10	nv	µg/l					< 0.10			< 0.10		< 0.10		
Bromochloromethane	0.50	nv	µg/l					< 0.50			< 0.50		< 0.50		
Bromodichloromethane	0.50	nv	µg/l					< 0.50			< 0.50		< 0.50		
Bromomethane	2	nv	µg/l					< 2.0			< 2.0		< 2.0		
Butylbenzyl Phthalate	0.050	0.1	µg/l					< 0.050			< 0.050		< 0.050		
Butylbenzyl Phthalate	0.50	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Cadmium	0.08	0.08	µg/l	< 0.08	< 0.08	< 0.08	0.6	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08		
Calcium	2.00	200	mg/l	130	150	75	77	140	140	140	110	120	79	75	110
Carbazole	0.050	nv	µg/l					< 0.050			< 0.050		< 0.050		
Carbazole	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Chemical Oxygen Demand	10	nv	mg/l	12	< 10	18	< 10	< 10	< 10	< 10	< 10	< 10	< 10	54	
Chloride	1	187.5	mg/l	260	280	47	46	53	27	47	36	46	47	41	64
Chlorobenzene	0.1	1	µg/l					< 0.10			< 0.10		< 0.10		
Chloroethane	0.2	nv	µg/l					< 0.20			< 0.20		< 0.20		
Chloromethane	0.1	nv	µg/l					< 0.10			< 0.10		< 0.10		
Chlortoluron	1	0.075	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
Chromium (Trivalent)	20	nv	µg/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20		
Chrysene	0.05	0.12	µg/l					< 0.050			< 0.050		< 0.050		

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1598748	1622289	1598026	1598747	1622290	1600704	1589197	1605664	1623629	1598027	1605657	1593730
Sample Location	NA-BH085	NA-BH085	NA-BH087	NA-BH087	NA-BH087	NA-BH213	NA-BH222	NA-BH222	NA-BH222	NA-BH225	NA-BH225	NA-BH234
Sampling Round	Round 2	Round 3	Round 1	Round 2	Round 3	Round 2	Round 1	Round 2	Round 3	Round 1	Round 2	Round 1
Zone	C	C	C	C	C	E	E	E	E	D	D	D
Installation Monitoring	CLAY, GRAVEL & ROCK	CLAY, GRAVEL & ROCK	SST	SST	SST	SAND	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	SILT, CLAY	SILT, CLAY	SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	27-Feb-2023	11-Apr-2023	17-Feb-2023	27-Feb-2023	11-Apr-2023	27-Feb-2023	09-Feb-2023	02-Mar-2023	13-Apr-2023	17-Feb-2023	08-Mar-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units										
Chrysene	0.5	0.12	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis 1,2-Dichloroethene	0.1	0.375	µg/l					< 0.10		< 0.10		< 0.10	
cis-1,3-Dichloropropene	1	nv	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	0.5	1500	µg/l	< 0.50	1.3	3.2	34	1.2	< 0.50	0.99	< 0.50	0.63	3.3
dalaphon	0.1	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Delta-HCH	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Dibenz(a,h)Anthracene	0.05	0.00012	µg/l						< 0.050		< 0.050		< 0.050
Dibenz(a,h)Anthracene	0.5	0.00012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibenzofuran	0.05	nv	µg/l						< 0.050		< 0.050		< 0.050
Dibenzofuran	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromochloromethane	1	0.8	µg/l						< 1.0		< 1.0		< 1.0
Dibromomethane	0.1	nv	µg/l						< 0.10		< 0.10		< 0.10
Dichlorodifluoromethane	0.1	nv	µg/l						< 0.10		< 0.10		< 0.10
Dieldrin	0.2	0.075	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diethyl Phthalate	0.05	600	µg/l						< 0.050		< 0.050		< 0.050
Diethyl Phthalate	0.5	600	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diethylene Glycol	0.1	No match	µg/l						< 0.10		< 0.10		< 0.10
Dimethylphthalate	0.05	2000	µg/l						< 0.050		< 0.050		< 0.050
Dimethylphthalate	0.5	2000	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Butyl Phthalate	0.05	2	µg/l						< 0.050		< 0.050		< 0.050
Di-N-Butyl Phthalate	0.5	2	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Octyl Phthalate	0.05	nv	µg/l						< 0.050		< 0.050		< 0.050
Di-N-Octyl Phthalate	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diuron	1	0.075	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Endosulfan I	0.2	nv	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endosulfan II	0.2	nv	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endosulfan Sulphate	0.2	0.005	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endrin	0.2	0.03	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endrin Aldehyde	0.2	1	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endrin Ketone	0.2	nv	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1598748	1622289	1598026	1598747	1622290	1600704	1589197	1605664	1623629	1598027	1605657	1593730
Sample Location	NA-BH085	NA-BH085	NA-BH087	NA-BH087	NA-BH087	NA-BH213	NA-BH222	NA-BH222	NA-BH222	NA-BH225	NA-BH225	NA-BH234
Sampling Round	Round 2	Round 3	Round 1	Round 2	Round 3	Round 2	Round 1	Round 2	Round 3	Round 1	Round 2	Round 1
Zone	C	C	C	C	C	E	E	E	E	D	D	D
Installation Monitoring	CLAY, GRAVEL & ROCK	CLAY, GRAVEL & ROCK	SST	SST	SST	SAND	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	SILT, CLAY	SILT, CLAY	SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	27-Feb-2023	11-Apr-2023	17-Feb-2023	27-Feb-2023	11-Apr-2023	27-Feb-2023	09-Feb-2023	02-Mar-2023	13-Apr-2023	17-Feb-2023	08-Mar-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units										
Ethylbenzene	0.1	10	µg/l						< 0.10			< 0.10	< 0.10
Ethylbenzene	1	10	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylene Glycol	0.1	nv	mg/l						< 0.10			< 0.10	< 0.10
Fluoranthene	0.05	1	µg/l						< 0.050			< 0.050	< 0.050
Fluoranthene	0.5	1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluorene	0.05	50	µg/l						< 0.050			< 0.050	< 0.050
Fluorene	0.5	50	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Gamma-Chlordane	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Gamma-HCH (Lindane)	0.2	4.2	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Glycols	0.1	No match	µg/l						< 0.10			< 0.10	< 0.10
Heptachlor	0.2	0.000002	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Heptachlor Epoxide	0.2	0.000002	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Hexachlorobenzene	0.05	0.03	µg/l						< 0.050			< 0.050	< 0.050
Hexachlorobenzene	0.5	0.03	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobutadiene	0.1	0.1	µg/l						< 0.10			< 0.10	< 0.10
Hexachlorobutadiene	0.05	0.1	µg/l						< 0.050			< 0.050	< 0.050
Hexachlorobutadiene	0.5	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorocyclopentadiene	0.05	4	µg/l						< 0.050			< 0.050	< 0.050
Hexachlorocyclopentadiene	0.5	4	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachloroethane	0.05	0.1	µg/l						< 0.050			< 0.050	< 0.050
Hexachloroethane	0.5	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	0.05	0.05	µg/l						< 0.050			< 0.050	< 0.050
Indeno(1,2,3-c,d)Pyrene	0.5	0.05	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Iron	5	200	µg/l	< 5.0	< 5.0	17	19	< 5.0	5.8	< 5.0	< 5.0	< 5.0	17
Isophorone	0.05	34	µg/l						< 0.050			< 0.050	< 0.050
Isophorone	0.5	34	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Isopropylbenzene	0.1	nv	µg/l						< 0.10			< 0.10	< 0.10
Isoproturon	1	0.075	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead	0.5	7.5	µg/l	< 0.50	< 0.50	< 0.50	3.8	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Linuron	1	nv	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Legend:

Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1598748	1622289	1598026	1598747	1622290	1600704	1589197	1605664	1623629	1598027	1605657	1593730
Sample Location	NA-BH085	NA-BH085	NA-BH087	NA-BH087	NA-BH087	NA-BH213	NA-BH222	NA-BH222	NA-BH222	NA-BH225	NA-BH225	NA-BH234
Sampling Round	Round 2	Round 3	Round 1	Round 2	Round 3	Round 2	Round 1	Round 2	Round 3	Round 1	Round 2	Round 1
Zone	C	C	C	C	C	E	E	E	E	D	D	D
Installation Monitoring	CLAY, GRAVEL & ROCK	CLAY, GRAVEL & ROCK	SST	SST	SST	SAND	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	SILT, CLAY	SILT, CLAY	SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	27-Feb-2023	11-Apr-2023	17-Feb-2023	27-Feb-2023	11-Apr-2023	27-Feb-2023	09-Feb-2023	02-Mar-2023	13-Apr-2023	17-Feb-2023	08-Mar-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units											
Low-Level Chromium (Hexavalent)	20	nv	µg/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
m & p-Xylene	0.1	10	µg/l					< 0.10			< 0.10			< 0.10
m & p-Xylene	1	10	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Magnesium	0.2	50	mg/l	24	15	23	26	23	16	12	12	13	23	32
Manganese	0.5	50	µg/l	0.81	5	13	96	1.1	1.4	20	14	22	210	370
Mercury	0.01	0.75	µg/l	0.012	< 0.010	< 0.010	0.01	< 0.010	0.018	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methoxychlor	0.2	0.02	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methyl Tert-Butyl Ether	0.1	10	µg/l						< 0.10				< 0.10	< 0.10
Molybdenum	0.2	nv	µg/l	0.73	2.1	4.6	17	0.6	1.2	2.1	2.4	2.9	4.7	2.9
Monuron	1	nv	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	0.05	1	µg/l						< 0.050				< 0.050	< 0.050
Naphthalene	0.5	1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Butylbenzene	0.1	nv	µg/l						< 0.10				< 0.10	< 0.10
Nickel	0.5	15	µg/l	2.8	1.5	3	47	1.2	3.4	3.2	2.6	1.4	3	2
Nitrate	0.5	37.5	mg/l	12	39	1.9	23	76	42	11	< 0.50	11	2.7	< 0.50
Nitrobenzene	0.05	10	µg/l						< 0.050				< 0.050	< 0.050
Nitrobenzene	0.5	10	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Nitrosodimethylamine	0.05	nv	µg/l						< 0.050				< 0.050	< 0.050
N-Nitrosodimethylamine	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Nitrosodi-n-propylamine	0.05	0.005	µg/l						< 0.050				< 0.050	< 0.050
N-Nitrosodi-n-propylamine	0.5	0.005	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Propylbenzene	0.1	nv	µg/l						< 0.10				< 0.10	< 0.10
o-Xylene	0.1	10	µg/l						< 0.10				< 0.10	< 0.10
o-Xylene	1	10	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
PCB 105	0.01	0.01	µg/l											< 0.01
PCB 114	0.01	0.01	µg/l											< 0.01
PCB 118	0.01	0.01	µg/l											< 0.01
PCB 123	0.01	0.01	µg/l											< 0.01
PCB 126	0.01	0.01	µg/l											< 0.01
PCB 156	0.01	0.01	µg/l											< 0.01
PCB 157	0.01	0.01	µg/l											< 0.01
PCB 167	0.01	0.01	µg/l											< 0.01
PCB 169	0.01	0.01	µg/l											< 0.01

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1598748	1622289	1598026	1598747	1622290	1600704	1589197	1605664	1623629	1598027	1605657	1593730
Sample Location	NA-BH085	NA-BH085	NA-BH087	NA-BH087	NA-BH087	NA-BH213	NA-BH222	NA-BH222	NA-BH222	NA-BH225	NA-BH225	NA-BH234
Sampling Round	Round 2	Round 3	Round 1	Round 2	Round 3	Round 2	Round 1	Round 2	Round 3	Round 1	Round 2	Round 1
Zone	C	C	C	C	C	E	E	E	E	D	D	D
Installation Monitoring	CLAY, GRAVEL & ROCK	CLAY, GRAVEL & ROCK	SST	SST	SST	SAND	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	SILT, CLAY	SILT, CLAY	SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	27-Feb-2023	11-Apr-2023	17-Feb-2023	27-Feb-2023	11-Apr-2023	27-Feb-2023	09-Feb-2023	02-Mar-2023	13-Apr-2023	17-Feb-2023	08-Mar-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units												
PCB 189	0.01	0.01	µg/l										<0.01		
PCB 77	0.01	0.01	µg/l										<0.01		
PCB 81	0.01	0.01	µg/l										<0.01		
Pentachlorophenol	0.05	2	µg/l					< 0.050			< 0.050		< 0.050		
Pentachlorophenol	0.5	2	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Phenanthrene	0.05	nv	µg/l					< 0.050			< 0.050		< 0.050		
Phenanthrene	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Phenol	0.05	0.5	µg/l					< 0.050			< 0.050		< 0.050		
Phenol	0.5	0.5	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Phosphate	0.2	nv	mg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20		
picloram	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Potassium	0.5	5	mg/l	1.6	2.8	3.5	3.4	1.5	2.7	2.1	1.8	1.6	3.4	3.1	35
Prometon	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Prometryn	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Propazine	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Propylene Glycol	0.10	nv	mg/l					< 0.10			< 0.10		< 0.10		
Pyrene	0.050	20	µg/l					< 0.050			< 0.050		< 0.050		
Pyrene	0.50	20	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		
Secbumeton	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20		
Sec-Butylbenzene	0.10	nv	µg/l					< 0.10			< 0.10		< 0.10		
Selenium	0.50	170	µg/l	2.1	3.6	1.2	3.9	1.3	4.7	1.9	2.5	1.5	1.1	0.95	2.1
Simazine	0.20	0.075	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Simetryn	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Sodium	1.50	150	mg/l	18	160	41	56	19	170	23	23	20	41	46	43
Styrene	0.10	nv	µg/l					< 0.10			< 0.10		< 0.10		
Sulphate	1.0	187.5	mg/l	96	120	61	63	74	18	61	25	61	61	26	35
Suspended Solids At 105C	5.0	nv	mg/l	2800	280	270	310	72	460	22	40	120	190	240	520
SVOC TIC	N/A	nv	µg/l	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected
Terbutylazine	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Terbutryn	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Tert-Butylbenzene	0.10	nv	µg/l					< 0.10			< 0.10		< 0.10		

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1598748	1622289	1598026	1598747	1622290	1600704	1589197	1605664	1623629	1598027	1605657	1593730
Sample Location	NA-BH085	NA-BH085	NA-BH087	NA-BH087	NA-BH087	NA-BH213	NA-BH222	NA-BH222	NA-BH222	NA-BH225	NA-BH225	NA-BH234
Sampling Round	Round 2	Round 3	Round 1	Round 2	Round 3	Round 2	Round 1	Round 2	Round 3	Round 1	Round 2	Round 1
Zone	C	C	C	C	C	E	E	E	E	D	D	D
Installation Monitoring	CLAY, GRAVEL & ROCK	CLAY, GRAVEL & ROCK	SST	SST	SST	SAND	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	GRAVEL, LST & SHALE	SILT, CLAY	SILT, CLAY	SAND
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	27-Feb-2023	11-Apr-2023	17-Feb-2023	27-Feb-2023	11-Apr-2023	27-Feb-2023	09-Feb-2023	02-Mar-2023	13-Apr-2023	17-Feb-2023	08-Mar-2023	16-Feb-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units										
Tetrachloroethene	0.10	7.5	µg/l						< 0.10			< 0.10	< 0.10
Tetrachloromethane	0.10	nv	µg/l						< 0.10			< 0.10	< 0.10
Toluene	0.10	525	µg/l						< 0.10			< 0.10	< 0.10
Toluene	1.0	525	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	5.0	nv	µg/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	18000	< 5.0	< 5.0	< 5.0	940
Total Aromatic Hydrocarbons	5.0	0.075	µg/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Dissolved Solids	1.0	1000	mg/l	990	960	490	580	920	430	480	480	430	430
Total PCBs (12 Congeners)	0.01	0.01	µg/l										
Total Petroleum Hydrocarbons	10	10	µg/l	< 10	< 10	< 10	< 10	< 10	18000	< 10	< 10	< 10	940
Total TPH>C5-C35	10	7.5	µg/l						13000				<10
Trans 1,2-Dichloroethene	0.10	nv	µg/l						< 0.10			< 0.10	< 0.10
Trans 1,3-Dichloropropene	1	nv	µg/l						< 1.0			< 1.0	< 1.0
Tribromomethane	1.0	nv	µg/l						< 1.0			< 1.0	< 1.0
Trichloroethene	0.10	7.5	µg/l						< 0.10			< 0.10	< 0.10
Trichlorofluoromethane	0.10	nv	µg/l						< 0.10			< 0.10	< 0.10
Trichloromethane	0.10	nv	µg/l						< 0.10			< 0.10	< 0.10
Triethylene Glycol	0.1	No match	µg/l						< 0.10			< 0.10	< 0.10
Vinyl Chloride	0.10	0.375	µg/l						< 0.10			< 0.10	< 0.10
Zinc	2.5	75	µg/l	< 2.5	15	< 2.5	77	16	< 2.5	4.3	3.1	5.4	3.1

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1602180	1621040	1598028	1598023	1605547	1623631	1593705	1598736	1621002	1590827	1602169	1623627
Sample Location	NA-BH234	NA-BH234	NA-BH263	NA-BH274	NA-BH274	NA-BH274	NA-BH297	NA-BH297	NA-BH297	NA-BH301	NA-BH301	NA-BH301
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3
Zone	D	D	C	C	C	C	B	B	B	E	E	E
Installation Monitoring	SAND	SAND	CLAY, GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	03-Apr-2023	17-Feb-2023	17-Feb-2023	07-Mar-2023	12-Apr-2023	16-Feb-2023	27-Feb-2023	05-Apr-2023	13-Feb-2023	01-Mar-2023	13-Apr-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units										
1,1,1,2-Tetrachloroethane	0.20	nv	µg/l	< 0.20	< 0.20				< 0.20	< 0.20	< 0.20		
1,1,1-Trichloroethane	0.10	10000	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
1,1,2-Trichloroethane	0.1	0.55	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
1,1-Dichloroethane	0.10	nv	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
1,1-Dichloroethene	0.10	nv	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
1,1-Dichloropropene	0.10	nv	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
1,2,3-Trichlorobenzene	0.20	nv	µg/l	< 0.20	< 0.20				< 0.20	< 0.20	< 0.20		
1,2,3-Trichloropropane	5	nv	µg/l	< 5	< 5				< 5	< 5	< 5		
1,2,4-Trichlorobenzene	0.1	0.071	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
1,2,4-Trichlorobenzene	0.050	0.071	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050		
1,2,4-Trichlorobenzene	0.50	0.071	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,4-Trimethylbenzene	0.10	nv	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
1,2-Dibromo-3-Chloropropane	5	nv	µg/l	< 5	< 5				< 5	< 5	< 5		
1,2-Dibromoethane	0.50	nv	µg/l	< 0.50	< 0.50				< 0.50	< 0.50	< 0.50		
1,2-Dichlorobenzene	0.10	1000	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
1,2-Dichlorobenzene	0.050	1000	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050		
1,2-Dichlorobenzene	0.50	1000	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	0.20	2.25	µg/l	< 0.20	< 0.20				< 0.20	< 0.20	< 0.20		
1,2-Dichloropropane	0.10	0.9	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
1,3,5-Trimethylbenzene	0.10	nv	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
1,3-Dichlorobenzene	0.10	7	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
1,3-Dichlorobenzene	0.050	7	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050		
1,3-Dichlorobenzene	0.50	7	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichloropropane	0.20	nv	µg/l	< 0.20	< 0.20				< 0.20	< 0.20	< 0.20		
1,4-Dichlorobenzene	0.10	300	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
1,4-Dichlorobenzene	0.050	300	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050		
1,4-Dichlorobenzene	0.50	300	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,5-Trichlorophenol	0.050	300	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050		
2,4,5-Trichlorophenol	0.50	300	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4,6-Trichlorophenol	0.050	200	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050		

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1602180	1621040	1598028	1598023	1605547	1623631	1593705	1598736	1621002	1590827	1602169	1623627
Sample Location	NA-BH234	NA-BH234	NA-BH263	NA-BH274	NA-BH274	NA-BH274	NA-BH297	NA-BH297	NA-BH297	NA-BH301	NA-BH301	NA-BH301
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3
Zone	D	D	C	C	C	C	B	B	B	E	E	E
Installation Monitoring	SAND	SAND	CLAY, GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	03-Apr-2023	17-Feb-2023	17-Feb-2023	07-Mar-2023	12-Apr-2023	16-Feb-2023	27-Feb-2023	05-Apr-2023	13-Feb-2023	01-Mar-2023	13-Apr-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units											
2,4,6-Trichlorophenol	0.50	200	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dichlorophenol	0.050	10	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050				
2,4-Dichlorophenol	0.50	10	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dimethylphenol	0.050	100	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050				
2,4-Dimethylphenol	0.50	100	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,4-Dinitrotoluene	0.050	0.049	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050				
2,4-Dinitrotoluene	0.50	0.049	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,6-Dinitrotoluene	0.050	nv	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050				
2,6-Dinitrotoluene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chloronaphthalene	0.050	800	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050				
2-Chloronaphthalene	0.50	800	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorophenol	0.050	200	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050				
2-Chlorophenol	0.50	200	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Chlorotoluene	0.10	nv	µg/l	< 0.10	< 0.10			< 0.10	< 0.10	< 0.10				
2-Methyl-4,6-Dinitrophenol	0.050	nv	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050				
2-Methyl-4,6-Dinitrophenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylnaphthalene	0.050	nv	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050				
2-Methylnaphthalene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Methylphenol (o-Cresol)	0.050	nv	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050				
2-Methylphenol (o-Cresol)	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitroaniline	0.050	nv	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050				
2-Nitroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Nitrophenol	0.050	nv	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050				
2-Nitrophenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
3-Nitroaniline	0.050	nv	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050				
3-Nitroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4,4-DDD	0.20	0.00012	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
4,4-DDE	0.20	0.00018	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
4,4-DDT	0.20	0.075	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
4-Bromophenylphenyl Ether	0.050	nv	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050				



Appendix A11.2
Groundwater Quality Results

Legend:
Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1602180	1621040	1598028	1598023	1605547	1623631	1593705	1598736	1621002	1590827	1602169	1623627
Sample Location	NA-BH234	NA-BH234	NA-BH263	NA-BH274	NA-BH274	NA-BH274	NA-BH297	NA-BH297	NA-BH297	NA-BH301	NA-BH301	NA-BH301
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3
Zone	D	D	C	C	C	C	B	B	B	E	E	E
Installation Monitoring	SAND	SAND	CLAY, GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	03-Apr-2023	17-Feb-2023	17-Feb-2023	07-Mar-2023	12-Apr-2023	16-Feb-2023	27-Feb-2023	05-Apr-2023	13-Feb-2023	01-Mar-2023	13-Apr-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units											
4-Bromophenylphenyl Ether	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloro-3-Methylphenol	0.050	nv	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050			
4-Chloro-3-Methylphenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chloroaniline	0.050	nv	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050			
4-Chloroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorophenylphenylether	0.050	nv	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050			
4-Chlorophenylphenylether	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Chlorotoluene	0.10	nv	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10			
4-Isopropyltoluene	0.10	nv	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10			
4-Methylphenol	0.050	nv	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050			
4-Methylphenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitroaniline	0.050	nv	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050			
4-Nitroaniline	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Nitrophenol	0.050	nv	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050			
4-Nitrophenol	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthene	0.050	70	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050			
Acenaphthene	0.50	70	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Acenaphthylene	0.050	nv	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050			
Acenaphthylene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aldrin	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Aliphatic TPH >C10-C12	0.10	400	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C12-C16	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C16-C21	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C21-C35	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C35-C44	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C5-C6	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C6-C8	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C8-C10	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Alkalinity (Total)	10	nv	mg/l	440	270	340	330	410	250	55	220	330	330	280
Alpha-Chlordane	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1602180	1621040	1598028	1598023	1605547	1623631	1593705	1598736	1621002	1590827	1602169	1623627
Sample Location	NA-BH234	NA-BH234	NA-BH263	NA-BH274	NA-BH274	NA-BH274	NA-BH297	NA-BH297	NA-BH297	NA-BH301	NA-BH301	NA-BH301
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3
Zone	D	D	C	C	C	C	B	B	B	E	E	E
Installation Monitoring	SAND	SAND	CLAY, GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	03-Apr-2023	17-Feb-2023	17-Feb-2023	07-Mar-2023	12-Apr-2023	16-Feb-2023	27-Feb-2023	05-Apr-2023	13-Feb-2023	01-Mar-2023	13-Apr-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units												
Alpha-HCH	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Ametryn	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Ammoniacal Nitrogen as NH3	0.050	0.065	mg/l	< 0.050	0.11	< 0.050	< 0.050	0.17	0.23	0.3	0.65	0.44	0.44	0.16	0.26
Anthracene	0.050	0.1	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050					
Anthracene	0.50	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Antimony	0.50	5.6	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.83	0.75	< 0.50	< 0.50	< 0.50	
Aromatic TPH >C10-C12	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C12-C16	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C16-C21	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C21-C35	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C35-C44	0.10	nv	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C5-C7	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C7-C8	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Aromatic TPH >C8-C10	0.10	7.5	µg/l	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
Arsenic	0.20	7.5	µg/l	0.52	2.5	8.1	4.3	6.3	4.2	1.2	4.1	2.8	1.4	3.6	4.1
Atraton	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Atrazine	0.20	0.075	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Azobenzene	0.050	nv	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050					
Azobenzene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Barium	5.00	100	µg/l	160	64	44	43	130	140	78	50	36	58	54	77
Benzene	0.10	0.75	µg/l	< 0.10	< 0.10			< 0.10	< 0.10	< 0.10					
Benzene	1.0	0.75	µg/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Benzo(a)anthracene	0.050	0.0012	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050					
Benzo(a)anthracene	0.50	0.0012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Benzo(a)pyrene	0.050	0.00017	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050					
Benzo(a)pyrene	0.50	0.00017	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Benzo[g,h,i]perylene	0.050	nv	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050					
Benzo[g,h,i]perylene	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Benzo[k]fluoranthene	0.050	0.012	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050					
Benzo[k]fluoranthene	0.50	0.012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1602180	1621040	1598028	1598023	1605547	1623631	1593705	1598736	1621002	1590827	1602169	1623627
Sample Location	NA-BH234	NA-BH234	NA-BH263	NA-BH274	NA-BH274	NA-BH274	NA-BH297	NA-BH297	NA-BH297	NA-BH301	NA-BH301	NA-BH301
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3
Zone	D	D	C	C	C	C	B	B	B	E	E	E
Installation Monitoring	SAND	SAND	CLAY, GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	03-Apr-2023	17-Feb-2023	17-Feb-2023	07-Mar-2023	12-Apr-2023	16-Feb-2023	27-Feb-2023	05-Apr-2023	13-Feb-2023	01-Mar-2023	13-Apr-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units												
Benzo[b]fluoranthene	0.050	0.0012	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050				
Benzo[b]fluoranthene	0.50	0.0012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Beta-HCH	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	
Biochemical Oxygen Demand Low Level	1.0	nv	mg/l	1	< 1.0	2	2	< 1.0	2.3	< 1.0	4	14	4	1	1.1
Bis(2-Chloroethoxy)Methane	0.050	nv	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050				
Bis(2-Chloroethoxy)Methane	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Bis-(2-Chloroethyl)Ether	0.050	0.03	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050				
Bis-(2-Chloroethyl)Ether	0.50	0.03	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Bis(2-Chloroisopropyl)Ether	0.050	nv	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050				
Bis(2-Chloroisopropyl)Ether	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Bis(2-Ethylhexyl)Phthalate	0.050	0.32	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050				
Bis(2-Ethylhexyl)Phthalate	0.50	0.32	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Bromobenzene	0.10	nv	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10				
Bromochloromethane	0.50	nv	µg/l	< 0.50	< 0.50				< 0.50	< 0.50	< 0.50				
Bromodichloromethane	0.50	nv	µg/l	< 0.50	< 0.50				< 0.50	< 0.50	< 0.50				
Bromomethane	2	nv	µg/l	< 2.0	< 2.0				< 2.0	< 2.0	< 2.0				
Butylbenzyl Phthalate	0.050	0.1	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050				
Butylbenzyl Phthalate	0.50	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Cadmium	0.08	0.08	µg/l	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	
Calcium	2.00	200	mg/l	82	69	78	79	88	110	35	100	110	94	89	100
Carbazole	0.050	nv	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050				
Carbazole	0.50	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Chemical Oxygen Demand	10	nv	mg/l	< 10	< 10	< 10	10	22	11	69	17	20	76	< 10	< 10
Chloride	1	187.5	mg/l	63	63	47	48	40	39	860	1700	1300	22	22	35
Chlorobenzene	0.1	1	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10				
Chloroethane	0.2	nv	µg/l	< 0.20	< 0.20				< 0.20	< 0.20	< 0.20				
Chloromethane	0.1	nv	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10				
Chlortoluron	1	0.075	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chromium (Trivalent)	20	nv	µg/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Chrysene	0.05	0.12	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050				

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1602180	1621040	1598028	1598023	1605547	1623631	1593705	1598736	1621002	1590827	1602169	1623627
Sample Location	NA-BH234	NA-BH234	NA-BH263	NA-BH274	NA-BH274	NA-BH274	NA-BH297	NA-BH297	NA-BH297	NA-BH301	NA-BH301	NA-BH301
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3
Zone	D	D	C	C	C	C	B	B	B	E	E	E
Installation Monitoring	SAND	SAND	CLAY, GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	03-Apr-2023	17-Feb-2023	17-Feb-2023	07-Mar-2023	12-Apr-2023	16-Feb-2023	27-Feb-2023	05-Apr-2023	13-Feb-2023	01-Mar-2023	13-Apr-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units											
Chrysene	0.5	0.12	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis 1,2-Dichloroethene	0.1	0.375	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10			
cis-1,3-Dichloropropene	1	nv	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Copper	0.5	1500	µg/l	< 0.50	0.82	2.9	3.4	2.5	2.5	0.62	1.2	2.7	2.9	2.5
dalaphon	0.1	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Delta-HCH	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Dibenz(a,h)Anthracene	0.05	0.00012	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050			
Dibenz(a,h)Anthracene	0.5	0.00012	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibenzofuran	0.05	nv	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050			
Dibenzofuran	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromochloromethane	1	0.8	µg/l	< 1.0	< 1.0				< 1.0	< 1.0	< 1.0			
Dibromomethane	0.1	nv	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10			
Dichlorodifluoromethane	0.1	nv	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10			
Dieldrin	0.2	0.075	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diethyl Phthalate	0.05	600	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050			
Diethyl Phthalate	0.5	600	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diethylene Glycol	0.1	No match	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10			
Dimethylphthalate	0.05	2000	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050			
Dimethylphthalate	0.5	2000	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Butyl Phthalate	0.05	2	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050			
Di-N-Butyl Phthalate	0.5	2	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Di-N-Octyl Phthalate	0.05	nv	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050			
Di-N-Octyl Phthalate	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Diuron	1	0.075	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Endosulfan I	0.2	nv	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endosulfan II	0.2	nv	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endosulfan Sulphate	0.2	0.005	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endrin	0.2	0.03	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endrin Aldehyde	0.2	1	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endrin Ketone	0.2	nv	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1602180	1621040	1598028	1598023	1605547	1623631	1593705	1598736	1621002	1590827	1602169	1623627
Sample Location	NA-BH234	NA-BH234	NA-BH263	NA-BH274	NA-BH274	NA-BH274	NA-BH297	NA-BH297	NA-BH297	NA-BH301	NA-BH301	NA-BH301
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3
Zone	D	D	C	C	C	C	B	B	B	E	E	E
Installation Monitoring	SAND	SAND	CLAY, GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	03-Apr-2023	17-Feb-2023	17-Feb-2023	07-Mar-2023	12-Apr-2023	16-Feb-2023	27-Feb-2023	05-Apr-2023	13-Feb-2023	01-Mar-2023	13-Apr-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units										
Ethylbenzene	0.1	10	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
Ethylbenzene	1	10	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylene Glycol	0.1	nv	mg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
Fluoranthene	0.05	1	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050		
Fluoranthene	0.5	1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Fluorene	0.05	50	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050		
Fluorene	0.5	50	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Gamma-Chlordane	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Gamma-HCH (Lindane)	0.2	4.2	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Glycols	0.1	No match	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
Heptachlor	0.2	0.000002	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Heptachlor Epoxide	0.2	0.000002	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Hexachlorobenzene	0.05	0.03	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050		
Hexachlorobenzene	0.5	0.03	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobutadiene	0.1	0.1	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
Hexachlorobutadiene	0.05	0.1	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050		
Hexachlorobutadiene	0.5	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorocyclopentadiene	0.05	4	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050		
Hexachlorocyclopentadiene	0.5	4	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachloroethane	0.05	0.1	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050		
Hexachloroethane	0.5	0.1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Indeno(1,2,3-c,d)Pyrene	0.05	0.05	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050		
Indeno(1,2,3-c,d)Pyrene	0.5	0.05	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Iron	5	200	µg/l	< 5.0	< 5.0	15	17	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Isophorone	0.05	34	µg/l	< 0.050	< 0.050				< 0.050	< 0.050	< 0.050		
Isophorone	0.5	34	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Isopropylbenzene	0.1	nv	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10		
Isoproturon	1	0.075	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Lead	0.5	7.5	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Linuron	1	nv	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1602180	1621040	1598028	1598023	1605547	1623631	1593705	1598736	1621002	1590827	1602169	1623627
Sample Location	NA-BH234	NA-BH234	NA-BH263	NA-BH274	NA-BH274	NA-BH274	NA-BH297	NA-BH297	NA-BH297	NA-BH301	NA-BH301	NA-BH301
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3
Zone	D	D	C	C	C	C	B	B	B	E	E	E
Installation Monitoring	SAND	SAND	CLAY, GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	03-Apr-2023	17-Feb-2023	17-Feb-2023	07-Mar-2023	12-Apr-2023	16-Feb-2023	27-Feb-2023	05-Apr-2023	13-Feb-2023	01-Mar-2023	13-Apr-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units												
Low-Level Chromium (Hexavalent)	20	nv	µg/l	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
m & p-Xylene	0.1	10	µg/l	< 0.10	< 0.10			< 0.10	< 0.10	< 0.10					
m & p-Xylene	1	10	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Magnesium	0.2	50	mg/l	14	17	23	23	18	16	17	86	70	13	15	15
Manganese	0.5	50	µg/l	< 0.50	43	64	2.7	280	1200	1.1	48	820	460	89	460
Mercury	0.01	0.75	µg/l	0.018	< 0.010	< 0.010	< 0.010	0.01	< 0.010	< 0.010	0.022	< 0.010	< 0.010	0.018	< 0.010
Methoxychlor	0.2	0.02	µg/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methyl Tert-Butyl Ether	0.1	10	µg/l	< 0.10	< 0.10					< 0.10	< 0.10	< 0.10			
Molybdenum	0.2	nv	µg/l	2.3	4.5	4.7	4.7	11	8.2	16	21	24	8.2	9	6.8
Monuron	1	nv	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	0.05	1	µg/l	< 0.050	< 0.050					< 0.050	< 0.050	< 0.050			
Naphthalene	0.5	1	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Butylbenzene	0.1	nv	µg/l	< 0.10	< 0.10					< 0.10	< 0.10	< 0.10			
Nickel	0.5	15	µg/l	< 0.50	< 0.50	2.7	2.8	4.6	2.5	1.3	2.8	1.9	2.4	1.9	1.8
Nitrate	0.5	37.5	mg/l	7.1	56	1.7	2.2	1.3	< 0.50	2.6	2.5	< 0.50	< 0.50	2.3	0.89
Nitrobenzene	0.05	10	µg/l	< 0.050	< 0.050					< 0.050	< 0.050	< 0.050			
Nitrobenzene	0.5	10	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Nitrosodimethylamine	0.05	nv	µg/l	< 0.050	< 0.050					< 0.050	< 0.050	< 0.050			
N-Nitrosodimethylamine	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Nitrosodi-n-propylamine	0.05	0.005	µg/l	< 0.050	< 0.050					< 0.050	< 0.050	< 0.050			
N-Nitrosodi-n-propylamine	0.5	0.005	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
N-Propylbenzene	0.1	nv	µg/l	< 0.10	< 0.10					< 0.10	< 0.10	< 0.10			
o-Xylene	0.1	10	µg/l	< 0.10	< 0.10					< 0.10	< 0.10	< 0.10			
o-Xylene	1	10	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
PCB 105	0.01	0.01	µg/l	< 0.01	< 0.01										
PCB 114	0.01	0.01	µg/l	< 0.01	< 0.01										
PCB 118	0.01	0.01	µg/l	< 0.01	< 0.01										
PCB 123	0.01	0.01	µg/l	< 0.01	< 0.01										
PCB 126	0.01	0.01	µg/l	< 0.01	< 0.01										
PCB 156	0.01	0.01	µg/l	< 0.01	< 0.01										
PCB 157	0.01	0.01	µg/l	< 0.01	< 0.01										
PCB 167	0.01	0.01	µg/l	< 0.01	< 0.01										
PCB 169	0.01	0.01	µg/l	< 0.01	< 0.01										

Legend:

Above LOD, below GSS	Zone
Above GSS	Installation Monitoring
LOD is greater than GSS	Sample Type
Below LOD	Date Sampled

Chemtest Sample ID	1602180	1621040	1598028	1598023	1605547	1623631	1593705	1598736	1621002	1590827	1602169	1623627
Sample Location	NA-BH234	NA-BH234	NA-BH263	NA-BH274	NA-BH274	NA-BH274	NA-BH297	NA-BH297	NA-BH297	NA-BH301	NA-BH301	NA-BH301
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3
Zone	D	D	C	C	C	C	B	B	B	E	E	E
Installation Monitoring	SAND	SAND	CLAY, GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	03-Apr-2023	17-Feb-2023	17-Feb-2023	07-Mar-2023	12-Apr-2023	16-Feb-2023	27-Feb-2023	05-Apr-2023	13-Feb-2023	01-Mar-2023	13-Apr-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units										
PCB 189	0.01	0.01	µg/l	<0.01	<0.01								
PCB 77	0.01	0.01	µg/l	<0.01	<0.01								
PCB 81	0.01	0.01	µg/l	<0.01	<0.01								
Pentachlorophenol	0.05	2	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050			
Pentachlorophenol	0.5	2	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phenanthrene	0.05	nv	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050			
Phenanthrene	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phenol	0.05	0.5	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050			
Phenol	0.5	0.5	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Phosphate	0.2	nv	mg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
picloram	0.5	nv	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Potassium	0.5	5	mg/l	37	2.1	3.6	3.7	1.4	1.3	40	59	42	2.5 2.9 2.8
Prometon	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Prometryn	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Propazine	0.2	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Propylene Glycol	0.10	nv	mg/l	< 0.10	< 0.10			< 0.10	< 0.10	< 0.10			
Pyrene	0.050	20	µg/l	< 0.050	< 0.050			< 0.050	< 0.050	< 0.050			
Pyrene	0.50	20	µg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Secbumeton	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Sec-Butylbenzene	0.10	nv	µg/l	< 0.10	< 0.10			< 0.10	< 0.10	< 0.10			
Selenium	0.50	170	µg/l	1.7	1.1	1	1.2	0.72	< 0.50	1.6	1	1.7	0.98 1.3 < 0.50
Simazine	0.20	0.075	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Simetryn	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Sodium	1.50	150	mg/l	41	49	41	41	32	29	600	1200	820	30 34 23
Styrene	0.10	nv	µg/l	< 0.10	< 0.10			< 0.10	< 0.10	< 0.10			
Sulphate	1.0	187.5	mg/l	36	73	61	62	47	51	260	490	490	110 100 120
Suspended Solids At 105C	5.0	nv	mg/l	510	< 5.0	360	310	170	30	270	77	140	53 12 68
SVOC TIC	N/A	nv	µg/l	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected
Terbutylazine	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Terbutryn	0.20	nv	µg/l	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Tert-Butylbenzene	0.10	nv	µg/l	< 0.10	< 0.10			< 0.10	< 0.10	< 0.10			



Appendix A11.2
Groundwater Quality Results

Legend:
Above LOD, below GSS
Above GSS
LOD is greater than GSS
Below LOD

Chemtest Sample ID	1602180	1621040	1598028	1598023	1605547	1623631	1593705	1598736	1621002	1590827	1602169	1623627
Sample Location	NA-BH234	NA-BH234	NA-BH263	NA-BH274	NA-BH274	NA-BH274	NA-BH297	NA-BH297	NA-BH297	NA-BH301	NA-BH301	NA-BH301
Sampling Round	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3	Round 1	Round 2	Round 3
Zone	D	D	C	C	C	C	B	B	B	E	E	E
Installation Monitoring	SAND	SAND	CLAY, GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	GRAVEL, CLAY	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	SAND, GRAVEL & SILT	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST	CLAY, GRAVEL & MDST
Sample Type	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Date Sampled	02-Mar-2023	03-Apr-2023	17-Feb-2023	17-Feb-2023	07-Mar-2023	12-Apr-2023	16-Feb-2023	27-Feb-2023	05-Apr-2023	13-Feb-2023	01-Mar-2023	13-Apr-2023

Parameters	Limit of Detection (LOD)	Groundwater Screening Standards (GSS)	Units												
Tetrachloroethene	0.10	7.5	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10				
Tetrachloromethane	0.10	nv	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10				
Toluene	0.10	525	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10				
Toluene	1.0	525	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Total Aliphatic Hydrocarbons	5.0	nv	µg/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Total Aromatic Hydrocarbons	5.0	0.075	µg/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Total Dissolved Solids	1.0	1000	mg/l	510	400	470	480	400	420	1200	3700	3200	400	850	410
Total PCBs (12 Congeners)	0.01	0.01	µg/l	<0.01	<0.01										
Total Petroleum Hydrocarbons	10	10	µg/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
Total TPH>C5-C35	10	7.5	µg/l	<10	<10				<10						
Trans 1,2-Dichloroethene	0.10	nv	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10				
Trans 1,3-Dichloropropene	1	nv	µg/l	< 1.0	< 1.0				< 1.0	< 1.0	< 1.0				
Tribromomethane	1.0	nv	µg/l	< 1.0	< 1.0				< 1.0	< 1.0	< 1.0				
Trichloroethene	0.10	7.5	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10				
Trichlorofluoromethane	0.10	nv	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10				
Trichloromethane	0.10	nv	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10				
Triethylene Glycol	0.1	No match	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10				
Vinyl Chloride	0.10	0.375	µg/l	< 0.10	< 0.10				< 0.10	< 0.10	< 0.10				
Zinc	2.5	75	µg/l	< 2.5	4.7	< 2.5	3.1	< 2.5	9	4.7	2.8	6.5	3.1	< 2.5	5.4