	A	B
1		**Draft Method**
2		**Revised on 2/17/20**
3		**DIMOCK RESIDENTIA**
4		**DIMOCK, SUSQUEHANNA**
5	DISCLAIMER: This document has not been formally released by the U.S. Environmental Protection Agency (EPA) and should not at this stage b information concerning methods associated with the project identified above.	
6	**Parameter**	**SAP Method**
7	Alcohols: Ethanol, methanol, 1-propanol, 1-butanol, 2-butanol (8015D)	EPA SW-846 8015D
8	Anions, Chloride, Bromide, Fluoride, Nitrate/Nitrite as N, Orthophosphorus as P, Sulfate as SO4 (300.0)	EPA 300
9	Glycols incl. 2-Butoxyethanol (8321 Modified)	EPA SW-846 8321Modified
10	2-Methoxyethanol (8321 and OLC03.2)	EPA SW-846 8321Modified
11	Metals: Al, Ca, Cr, Cu, Fe, Mg, Mn, Ni, Na, As, Se, Zn, Ti, Sr, Ba, Sn, Sb, Be, Cd, Co, Tl, U, V,K, Li, (200.8)	EPA 245.1/200.8/200.7
12	Hg (245.1)	EPA 245.1
13	Phosphorus, Total (365.1)	EPA 365.1
14	Nitrate/Nitrite ; Total Nitrogen (353.2)	EPA 353.2
15	Semi-Volatiles (TCL plus TICs) (CLP Trace plus TICS) (OLC03.2)	EPA CLP OLC03.2 (similar to SW-846 3520 and 8270D)
16	1-methylnapthalene (8270 or equivalent)	EPA CLP OLC03.2 (similar to SW-846 8270D)
17	Volatiles Incl. Acrylonitrile (TCL plus TICs) (CLP Trace - 0.5 ug/L QL) (OLC03.2)	EPA CLP OLC03.2 (similar to SW-846 5030 and 8260B)
18	Oil & Grease (HEM) (1664A)	EPA 1664A
19	Solids, Total Dissolved (TDS) (2540C)	SM 2540C
20	Solids, Total Suspended (TSS) (2540D)	SM 2540D
21		**Draft Method**
22		**Prepared on 2/17/20**
23		**DIMOCK RESIDENTIA**
24		**DIMOCK, SUSQUEHANNA**
25	DISCLAIMER: This document has not been formally released by the U.S. Environmental Protection Agency (EPA) and should not at this stage b information concerning methods associated with the project identified above.	
26	DISCLAIMER: This document has not been formally released by the U.S. Environmental Protection Agency (EPA) and should not at this stage b information concerning methods associated with the project identified above.	
27	**Parameter**	**SAP Method**

	A	B
28	Ethylene Glycol (8015)	SW-846 8015B
29	Dissolved Gases, Methane, Ethane, & Ethene (RSK-175)	RSK-175
30	DRO (8015M)	EPA SW-846 8015
31	GRO (8015M)	EPA SW-846 8015
32	Methylene Blue Active Substances (MBAS) (SM 5540C)	SM 5540C
33	$d^{13}C$ and $d^{2}H$ of methane (isotech)	Isotech Methods
34	$d^{13}C$ of inorganic carbon (isotech)	Isotech Methods
35	Stable isotopes of water (O,H) (isotech)	Isotech Methods
36	Complete compositional analysis of headspace gas (isotech)	Isotech Methods
37	Diss. gases methane, ethane, ethene (isotech)	Isotech Methods
38	Gamma Spec (K-40, Ra-226, Ra-228, Th-232, Th-234, U-234, U-235, U-238) (901.1)	EPA Method 901.1
39	Ra-226 (903.1)	EPA Method 903.1
40	Ra-228 (904.0)	EPA Method 904.0
41	Gross Alpha/Beta (900.0)	EPA Method 900.0
42	Bacteria (total coliform, HPC)	

	C
1	**List for TABLE 1**
2	**L2 by US EPA Region 3**
3	**L GROUNDWATER SITE**
4	**A COUNTY, PENNSYLVANIA**
5	e construed to represent Agency policy and does not necessarily represent final EPA decisions or positions. It is intended to present technical
6	**Web URL or SOP**
7	http://www.epa.gov/epawaste/hazard/testmethods/pdfs/8015d_r4.pdf
8	https://www.nemi.gov/apex/f?p=237:38:1067486194907761::::P38_METHOD_ID:4680
9	Method Description Glycol; ASTM D7731-11; http://www.epa.gov/epawaste/hazard/testmethods/sw846/pdfs/8321b.pdf
10	Method Description Glycol; ASTM D7731-11; http://www.epa.gov/epawaste/hazard/testmethods/sw846/pdfs/8321b.pdf
11	https//www.nemi.gov/apex/f?p=237:38:1882017519080211::::P38 METHOD ID:4665; https://www.nemi.gov/apex/f?p=237:38:1882017519080211::::P38 METHOD ID:4690
12	https://www.nemi.gov/apex/f?p=237:38:1882017519080211::::P38_METHOD_ID:4821
13	https://www.nemi.gov/apex/f?p=237:38:1882017519080211::::P38_METHOD_ID:4823
14	Quik Chem 10-107-04-1-C Nitrate + Nitrate.pdf, https://www.nemi.gov/apex/f?p=237:38:1882017519080211::::P38_METHOD_ID:4702
15	http://www.epa.gov/epawaste/hazard/testmethods/sw846/pdfs/8270d.pdf; http://www.epa.gov/superfund/programs/clp/download/olc/olc32fs1.pdf
16	http://www.epa.gov/epawaste/hazard/testmethods/sw846/pdfs/8270d.pdf; http://www.epa.gov/superfund/programs/clp/download/olc/olc32fs1.pdf
17	http://www.epa.gov/epawaste/hazard/testmethods/sw846/pdfs/8270d.pdf; http://www.epa.gov/superfund/programs/clp/download/olc/olc32fs1.pdf
18	http://water.epa.gov/scitech/methods/cwa/oil/index.cfm
19	Standard Methods 2540C (link not provided; subscription required)
20	Standard Methods 2540D (link not provided; subscription required)
21	**List for TABLE 1**
22	**12 by US EPA Region 3**
23	**L GROUNDWATER SITE**
24	**A COUNTY, PENNSYLVANIA**
25	e construed to represent Agency policy and does not necessarily represent final EPA decisions or positions. It is intended to present technical
26	e construed to represent Agency policy and does not necessarily represent final EPA decisions or positions. It is intended to present technical
27	**Web URL or SOP**

	C
28	Link to referenced method not found
29	http://www.epa.gov/region1/info/testmethods/pdfs/RSKsop175v2.pdf
30	Modified EPA 8015; www.epa.gov/region9/qa/pdfs/8015.pdf;
31	Modified EPA 8015; www.epa.gov/region9/qa/pdfs/8015.pdf;
32	Standard Methods 5540C (link not provided; subscription required)
33	Proprietary Method
34	Proprietary Method
35	Proprietary Method
36	Proprietary Method
37	Proprietary Method
38	https://www.nemi.gov/apex/f?p=237:38:998830156539868::::P38_METHOD_ID:7391
39	https://www.nemi.gov/apex/f?p=237:38:998830156539868::::P38_METHOD_ID:4732
40	File name EPA_Method_904.0.pdf
41	https://www.nemi.gov/apex/f?p=237:38:998830156539868::::P38_METHOD_ID:4730
42	