

**ATTACHMENT 3
UNIT 16**

APPENDIX E

**GROUNDWATER
COMPLIANCE MONITORING (SEMIANNUAL)
CONSTITUENT LIST**

ATTACHMENT 3, UNIT 16

APPENDIX E

GROUNDWATER COMPLIANCE MONITORING (SEMIANNUAL) CONSTITUENT AND REQUIRED ANALYTICAL METHOD LIST

Analyte	METHOD	PQL (ug/l)
Arsenic, total	6010/6020	10
Barium, total	6010/6020	10
Beryllium, total	6010/6020	1
Cadmium, total	6010/6020	1
Chromium, total	6010/6020	5
Cobalt, total	6010/6020	5
Copper, total	6010/6020	5
Lead, total	6010/6020	12
Mercury, total	7470	2
Nickel, total	6010/6020	10
Vanadium, total	6010/6020	10
Zinc, total	6010/6020	1030
Benzene	8260	1
2-Butanone	8260	10
Carbon tetrachloride	8260	1
Chloroethane	8260	1
Dichlorodifluoromethane	8260	1
1,1-Dichloroethane	8260	1
1,1-Dichloroethene	8260	1
Diethyl ether	8260	12.5
Dimethyl ether;	8260	12.5
Ethylbenzene	8260	1
Methylene chloride	8260	1
Tetrachloroethene; PCE	8260	1
Chloromethane	8260	1
Toluene	8260	1

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1,1,1-Trichloroethane	8260	1
Trichloroethene	8260	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	8260	1
Trichlorofluoromethane	8260	1
<u>Tetrahydrofuran</u>	<u>8260</u>	<u>25</u>
Xylenes, total	8260	3
Diethyl phthalate	8270	5
2,4-Dinitrotoluene	8270	10
2,6-Dinitrotoluene	8270	10

Notes:

ug/l = micrograms per liter

PQL = Practical Quantitation Limit

Commented [JF1]: Added based on detection 2Q2016 Appendix IX monitoring

All methods are as described in EPA's SW-846, Test Methods in support of the RCRA program, August 31, 2010. Web site: <http://www.epa.gov/epawaste/hazard/testmethods/index.htm>. Single samples are required for each parameter and constituent during each sampling event. Alternate SW-846 Methods may be approved by the Department if the request is in writing and submitted at least 30 days prior to the sample collection event. Proposed alternate methods shall achieve the same practical quantitation limit/estimated quantitation limit (or lower) as the specified method.