

SITE: CHILLUM PERC  
CASE No.: R31840  
LABORATORY: DATACHEM  
METHOD: EPA TO-15 MODIFIED

TABLE 2  
SUMMARY OF VOC DETECTED IN AIR SAMPLES  
COLLECTED IN APRIL 2004

SAMPLE ID: LABORATORY ID: SAMPLE LOCATION:  COLLECTION DATE: COLLECTION TIME: DILUTION FACTOR: RESULTS IN (UNITS):	002-AS-300 C2013 Basement		002-AS-310 C2015 Basement Collocated with C2013		002-AS-301 C2014 First Floor		014-AS-300 C2009 Basement		014-AS-301 C2010 First Floor		
	4/13/2004 17:35 1		4/13/2004 17:30 1		4/13/2004 17:32 1		4/13/2004 13:37 1		4/13/2004 13:40 1		
	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	
	COMPOUND	CRQL									
tetrachloroethene	1.0	1.2	8.3	3.4	23	2.8	19	0.27 J	1.9 J	0.24 J	1.7 J
dichlorodifluoromethane	1.0	0.60 J	3.0 J	0.61 J	3.1 J	0.49 J	2.5 J	0.61 J	3.1 J	0.61 J	3.1 J
chloromethane	1.0	0.51 J	1.1 J	0.67 J	1.4 J	0.79 J	1.7 J	0.54 J	1.1 J	0.51 J	1.1 J
1,2-dichloro-1,1,2,2-tetrafluoroethane	1.0	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U
vinyl chloride	1.0	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U
bromomethane	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
chloroethane	1.0	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U
trichlorofluoromethane	1.0	2.4	14	1.6	9.1	1.3	7.4	0.41 J	2.3 J	0.34 J	1.9 J
cis-1,2-dichloroethene	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
carbon disulfide	1.0	0.38 J	1.2 J	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U
1,1,2-trichloro-1,2,2-trifluoroethane	1.0	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U
acetone	1.0	12 J	29 J	17 J	41 J	27 J	65 J	6.6 J	16 J	10 J	24 J
methylene chloride	1.0	0.31 J	1.1 J	0.21 J	0.7 J	0.46 J	1.6 J	0.57 J	2.0 J	0.38 J	1.3 J
trans-1,2-dichloroethene	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
1,1-dichloroethane	1.0	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
vinyl acetate	1.0	1.0 U	3.6 U	1.1	4.0	1.3	4.7	1.0 U	3.6 U	1.0 U	3.6 U
1,1-dichloroethene	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
2-butanone	1.0	0.52 J	1.6 J	1.1	3.3	2.5	7.5	1.4	4.2	1.1	3.3
chloroform	1.0	0.36 J	1.8 J	0.92 J	4.6 J	0.78 J	3.9 J	0.28 J	1.4 J	0.45 J	2.3 J
1,1,1-trichloroethane	1.0	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	0.29 J	1.6 J
carbon tetrachloride	1.0	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U
benzene	1.0	0.58 J	1.9 J	0.55 J	1.8 J	0.77 J	2.5 J	0.46 J	1.5 J	0.65 J	2.1 J
1,2-dichloroethane	1.0	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
trichloroethene	1.0	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U
1,2-dichloropropane	1.0	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
bromodichloromethane	1.0	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U
cis-1,3-dichloropropene	1.0	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
4-methyl-2-pentanone	1.0	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
toluene	1.0	8.7	33	9.4	36	8.1	31	2.4	9.1	4.4	17
trans-1,3-dichloropropene	1.0	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
1,1,2-trichloroethane	1.0	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
2-hexanone	1.0	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
dlbromochloromethane	1.0	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U
1,2-dibromoethane	1.0	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U
chlorobenzene	1.0	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
ethylbenzene	1.0	1.0 U	4.4 U	0.26 J	1.1 J	0.49 J	2.2 J	0.25 J	1.1 J	0.26 J	1.1 J
m,p-xylene	2.0	0.57 J	2.5 J	0.80 J	3.5 J	1.2 J	5.3 J	0.66 J	2.9 J	0.70 J	3.1 J
o-xylene	1.0	1.0 U	4.4 U	0.25 J	1.1 J	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
styrene	1.0	0.20 J	0.9 J	0.25 J	1.1 J	0.44 J	1.9 J	0.29 J	1.2 J	0.27 J	1.2 J
bromoform	1.0	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
1,1,2,2-tetrachloroethane	1.0	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U
benzyl chloride	1.0	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U
4-ethyltoluene	1.0	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
1,3,5-trimethylbenzene	1.0	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U
1,2,4-trimethylbenzene	1.0	0.29 J	1.5 J	0.31 J	1.6 J	0.27 J	1.4 J	0.26 J	1.3 J	1.0 U	5.0 U
1,3-dichlorobenzene	1.0	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,4-dichlorobenzene	1.0	0.36 J	2.2 J	0.36 J	2.2 J	0.33 J	2.0 J	0.21 J	1.3 J	0.21 J	1.3 J
1,2-dichlorobenzene	1.0	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,2,4-trichlorobenzene	1.0	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U
hexachlorobutadiene	1.0	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
methyl tert-butyl ether (MTBE)	1.0	0.57 J	2.1 J	0.65 J	2.3 J	1.1	4.0	1.2 J	4.3 J	0.98 J	3.5 J

CRQL = Contract Required Quantitation Limit

ppbv = Parts per billion per unit volume

ug/m³ = Micrograms per cubic meter

U = Indicates the compound was analyzed for but not detected; the sample quantitation limit is provided.

J = Indicates the compound was analyzed for and detected; due to uncertainties identified during the data quality review, the value is estimated

**TABLE 2**  
**SUMMARY OF VOC DETECTED IN AIR SAMPLES**  
**COLLECTED IN APRIL 2004**

**SITE:** CHILLUM PERC  
**CASE No.:** R31841  
**LABORATORY:** DATACHEM  
**METHOD:** EPA TO-15 MODIFIED

COMPOUND	CRQL	004-AS-300 C2041 Basement		061-AS-300 C2062 Basement		061-AS-390 C2064 Basement Collocated with C2062		061-AS-301 C2063 First Floor		077-AS-300 C2043 Basement	
		4/15/2004 15:52 1		4/16/2004 08:15 1		4/16/2004 08:16 1		4/16/2004 08:11 1		4/15/2004 14:45 1	
		ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3
tetrachloroethene	1	1.0 U	6.9 U	1.0 U	6.9 U	1.0 U	6.9 U	1 U	6.9 U	0.40 J	2.8 J
dichlorodifluoromethane	1	0.50 J	2.5 J	0.50 J	2.5 J	0.60 J	3.0 J	0.60 J	3.0 J	1.1	5.5
chloromethane	1	1.1	2.3	0.50 J	1.1 J	0.60 J	1.3 J	0.60 J	1.3 J	0.60 J	1.3 J
1,2-dichloro-1,1,2,2-tetrafluoroethane	1	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1 U	7.1 U	1.0 U	7.1 U
vinyl chloride	1	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1 U	2.6 U	1.0 U	2.6 U
bromomethane	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1 U	4.0 U	1.0 U	4.0 U
chloroethane	1	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1 U	2.7 U	1.0 U	2.7 U
trichlorofluoromethane	1	0.30 J	1.7 J	0.20 J	1.1 J	0.30 J	1.7 J	0.20 J	1.1 J	0.80 J	4.6 J
cis-1,2-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1 U	4.0 U	1.0 U	4.0 U
carbon disulfide	1	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1 U	3.2 U	1.0 U	3.2 U
1,1,2-trichloro-1,2,2-trifluoroethane	1	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1 U	7.7 U	1.0 U	7.7 U
acetone	1	1.0 U	2.4 U	2.9	7.0	5.6	13	5.0	12	9.3	22
methylene chloride	1	1.0 U	3.5 U	1.0 U	3.5 U	1.0 U	3.5 U	1 U	3.5 U	0.80	2.8
trans-1,2-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1 U	4.0 U	1.0 U	4.0 U
1,1-dichloroethane	1	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1 U	4.1 U	1.0 U	4.1 U
vinyl acetate	1	1.0 U	3.6 U	1.0 U	3.6 U	1.0 U	3.6 U	1 U	3.6 U	0.90 J	3.2 J
1,1-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1 U	4.0 U	1.0 U	4.0 U
2-butanone	1	0.40 J	1.2 J	1.5	4.5	1.0 U	3.0 U	0.30 J	0.9 J	0.80 J	2.4 J
chloroform	1	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1 U	5.0 U	0.40 J	2.0 J
1,1,1-trichloroethane	1	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1 U	5.6 U	1.5	8.4
carbon tetrachloride	1	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1 U	6.4 U	1.0 U	6.4 U
benzene	1	0.80 J	2.6 J	1.0 J	3.3 J	1.0 J	3.3 J	0.80 J	2.6 J	1.3	4.3
1,2-dichloroethane	1	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1 U	4.1 U	1.0 U	4.1 U
trichloroethene	1	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1 U	5.5 U	1.0 U	5.5 U
1,2-dichloropropane	1	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1 U	4.7 U	1.0 U	4.7 U
bromodichloromethane	1	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1 U	6.8 U	1.0 U	6.8 U
cis-1,3-dichloropropene	1	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1 U	4.6 U	1.0 U	4.6 U
4-methyl-2-pentanone	1	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1 U	4.2 U	1.0 U	4.2 U
toluene	1	3.3	13	1.2	4.6	1.3	4.9	1.3	4.9	1.6	6.1
trans-1,3-dichloropropene	1	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1 U	4.6 U	1.0 U	4.6 U
1,1,2-trichloroethane	1	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1 U	5.6 U	1.0 U	5.6 U
2-hexanone	1	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1 U	4.2 U	1.0 U	4.2 U
dibromochloromethane	1	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1 U	8.7 U	1.0 U	8.7 U
1,2-dibromoethane	1	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1 U	7.8 U	1.0 U	7.8 U
chlorobenzene	1	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1 U	4.7 U	1.0 U	4.7 U
ethylbenzene	1	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1 U	4.4 U	1.0 U	4.4 U
m,p-xylene	2	0.60 J	2.6 J	0.40 J	1.8 J	0.40 J	1.8 J	0.40 J	1.8 J	0.70 J	3.1 J
o-xylene	1	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1 U	4.4 U	1.0 U	4.4 U
styrene	1	1.0 U	4.3 U	1.0 U	4.3 U	1.0 U	4.3 U	1 U	4.3 U	1.0 U	4.3 U
bromoform	1	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1 U	11 U	1.0 U	11 U
1,1,2,2-tetrachloroethane	1	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1 U	7.0 U	1.0 U	7.0 U
benzyl chloride	1	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1 U	5.3 U	1.0 U	5.3 U
4-ethyltoluene	1	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1 U	4.4 U	1.0 U	4.4 U
1,3,5-trimethylbenzene	1	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1 U	5.0 U	1.0 U	5.0 U
1,2,4-trimethylbenzene	1	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1 U	5.0 U	0.40 J	2.0 J
1,3-dichlorobenzene	1	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1 U	6.1 U	1.0 U	6.1 U
1,4-dichlorobenzene	1	1.0 U	6.1 U	0.50 J	3.1 J	0.30 J	1.8 J	0.30 J	1.8 J	21 J	130 J
1,2-dichlorobenzene	1	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1 U	6.1 U	1.0 U	6.1 U
1,2,4-trichlorobenzene	1	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1 U	7.5 U	1.0 U	7.5 U
hexachlorobutadiene	1	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1 U	11 U	1.0 U	11 U
methyl tert-butyl ether (MTBE)	1	0.50 J	1.8 J	0.60 J	2.2 J	0.70 J	2.5 J	0.70 J	2.5 J	0.60 J	2.2 J

CRQL = Contract Required Quantitation Limit

ppbv = Parts per billion per unit volume

ug/m<sup>3</sup> = Micrograms per cubic meter

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**CASE No.:** R31841  
**LABORATORY:** DATACHEM  
**METHOD:** EPA TO-15 MODIFIED

COMPOUND	CRQL	077-AS-301 C2044 First Floor		077-AS-309 C2045 Outdoor Ambient		128-AS-300 C2023 Basement		128-AS-301 C2024 First Floor		141-AS-300 C2065 Basement	
		4/15/2004 14:41 1	ppbv      µg/m3	4/15/2004 14:11 1	ppbv      µg/m3	4/14/2004 18:50 1	ppbv      µg/m3	4/14/2004 18:47 1	ppbv      µg/m3	4/16/2004 11:33 1	ppbv      µg/m3
tetrachloroethene	1	0.80 J	5.5 J	1.0 U	6.9 U	0.30 J	2.1 J	0.20 J	1.4 J	0.40 J	2.8 J
dichlorodifluoromethane	1	1.6	8.0	0.60 J	3.0 J	0.60 J	3.0 J	0.60 J	3.0 J	0.50 J	2.5 J
chloromethane	1	0.70 J	1.5 J	0.60 J	1.3 J	0.70 J	1.5 J	0.70 J	1.5 J	0.60 J	1.3 J
1,2-dichloro-1,1,2,2-tetrafluoroethane	1	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U
vinyl chloride	1	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U
bromomethane	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
chloroethane	1	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U
trichlorofluoromethane	1	1.1	6.3	0.20 J	1.1 J	0.50 J	2.9 J	0.60 J	3.4 J	0.20 J	1.1 J
cis-1,2-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
carbon disulfide	1	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U
1,1,2-trichloro-1,2,2-trifluoroethane	1	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U
acetone	1	16	38	2.5	6.0	16	38	14	34	13	31
methylene chloride	1	1.3	4.6	1.0 U	3.5 U	1.5	5.3	0.90 J	3.2 J	1.0 U	3.5 U
trans-1,2-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
1,1-dichloroethane	1	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
vinyl acetate	1	1.5 J	5.4 J	1.0 U	3.6 U	1.4	5.0	0.90 J	3.2 J	1.0 U	3.6 U
1,1-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
2-butanone	1	1.2 J	3.6 J	0.60 J	1.8 J	1.5	4.5	0.80 J	2.4 J	0.30 J	0.90 J
chloroform	1	1.2 J	6.0 J	1.0 U	5.0 U	0.90 J	4.5 J	1.3	6.5	1.0 U	5.0 U
1,1,1-trichloroethane	1	3.1	17	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
carbon tetrachloride	1	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U
benzene	1	1.5	5.0	1.3	4.3	0.40 J	1.3 J	0.40 J	1.3 J	0.40 J	1.3 J
1,2-dichloroethane	1	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
trichloroethene	1	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U
1,2-dichloropropane	1	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
bromodichloromethane	1	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U
cis-1,3-dichloropropene	1	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
4-methyl-2-pentanone	1	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
toluene	1	3.0	11	0.70 J	2.7 J	1.8	6.8	1.1	4.2	1.6	6.1
trans-1,3-dichloropropene	1	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
1,1,2-trichloroethane	1	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
2-hexanone	1	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
dibromochloromethane	1	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U
1,2-dibromoethane	1	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U
chlorobenzene	1	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
ethylbenzene	1	0.30 J	1.3 J	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
m,p-xylene	2	1.2 J	5.3 J	0.30 J	1.3 J	0.60 J	2.6 J	0.30 J	1.3 J	0.50 J	2.2 J
o-xylene	1	0.40 J	1.8 J	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
styrene	1	1.0 U	4.3 U	1.0 U	4.3 U	1.0 U	4.3 U	1.0 U	4.3 U	1.0 U	4.3 U
bromoform	1	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
1,1,2,2-tetrachloroethane	1	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U
benzyl chloride	1	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U
4-ethyltoluene	1	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
1,3,5-trimethylbenzene	1	0.20 J	1.0 J	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U
1,2,4-trimethylbenzene	1	0.70 J	3.5 J	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U
1,3-dichlorobenzene	1	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,4-dichlorobenzene	1	38 J	230 J	1.0 U	6.1 U	6.8	41	5.3	32	0.60 J	3.7 J
1,2-dichlorobenzene	1	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,2,4-trichlorobenzene	1	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U
hexachlorobutadiene	1	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
methyl tert-butyl ether (MTBE)	1	0.70 J	2.5 J	0.60 J	2.2 J	0.60 J	2.2 J	0.30 J	1.1 J	0.60 J	2.2 J

CRQL = Contract Required Quantitation Limit

ppbv = Parts per billion per unit volume

ug/m<sup>3</sup> = Micrograms per cubic meter

U = Indicates the compound was analyzed for but not detected; the sample quantitation limit is provided.

J = Indicates the compound was analyzed for and detected; due to uncertainties identified during the data quality review, the value is estimated

**TABLE 2**  
**SUMMARY OF VOC DETECTED IN AIR SAMPLES**  
**COLLECTED IN APRIL 2004**

**SITE:** CHILLUM PERC  
**CASE No.:** R31841  
**LABORATORY:** DATACHEM  
**METHOD:** EPA TO-15 MODIFIED

COMPOUND	CRQL	141-AS-390 C2067 Basement Collocated with C2065 4/16/2004 11:33 1		141-AS-301 C2066 First Floor 4/16/2004 11:29 1		151-AS-300 C2025 Basement 4/14/2004 18:37 1		151-AS-301 C2026 First Floor 4/14/2004 18:33 1		178-AS-300 C2046 Basement 4/15/2004 11:07 1	
		ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3
tetrachloroethene	1	0.40 J	2.8 J	0.30 J	2.1 J	1.5	10	2.6	18	1.0 U	6.9 U
dichlorodifluoromethane	1	0.50 J	2.5 J	0.60 J	3.0 J	0.50 J	2.5 J	0.50 J	2.5 J	0.60 J	3.0 J
chloromethane	1	0.60 J	1.3 J	0.80 J	1.7 J	0.50 J	1.1 J	0.80 J	1.7 J	0.90 J	1.9 J
1,2-dichloro-1,1,2,2-tetrafluoroethane	1	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U
vinyl chloride	1	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U
bromomethane	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
chloroethane	1	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U
trichlorofluoromethane	1	0.20 J	1.1 J	0.30 J	1.7 J	0.20 J	1.1 J	0.30 J	1.7 J	0.30 J	1.7 J
cis-1,2-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
carbon disulfide	1	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U
1,1,2-trichloro-1,2,2-trifluoroethane	1	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U
acetone	1	8.1	19	20	48	39 J	94 J	33 J	79 J	13	31
methylene chloride	1	1.0 U	3.5 U	1.0 U	3.5 U	2.5	8.8	4.2	15	1.0 U	3.5 U
trans-1,2-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
1,1-dichloroethane	1	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
vinyl acetate	1	1.0 U	3.6 U	1.0 U	3.6 U	0.90 J	3.2 J	1.0 U	3.6 U	1.0 U	3.6 U
1,1-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
2-butanone	1	1.0 U	3.0 U	0.30 J	0.90 J	1.0	3.0	1.0	3.0	1.0	3.0
chloroform	1	1.0 U	5.0 U	0.50 J	2.5 J	1.0	5.0	2.1	11	0.70 J	3.5 J
1,1,1-trichloroethane	1	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
carbon tetrachloride	1	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U
benzene	1	0.40 J	1.3 J	0.60 J	2.0 J	0.40 J	1.3 J	0.50 J	1.7 J	0.70 J	2.3 J
1,2-dichloroethane	1	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
trichloroethene	1	1.0 U	5.5 U	1.0 U	5.5 U	0.20 J	1.1 J	1.0 U	5.5 U	1.0 U	5.5 U
1,2-dichloropropane	1	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
bromodichloromethane	1	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U
cis-1,3-dichloropropene	1	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
4-methyl-2-pentanone	1	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
toluene	1	1.5	5.7	5.9	22	3.2	12	4.4	17	2.7	10
trans-1,3-dichloropropene	1	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
1,1,2-trichloroethane	1	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
2-hexanone	1	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
dibromochloromethane	1	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U
1,2-dibromoethane	1	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U
chlorobenzene	1	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
ethylbenzene	1	1.0 U	4.4 U	1.0 U	4.4 U	0.20 J	0.88 J	0.20 J	0.88 J	0.60 J	2.6 J
m,p-xylene	2	0.30 J	1.3 J	0.60 J	2.6 J	0.60 J	2.6 J	0.60 J	2.6 J	1.7 J	7.5 J
o-xylene	1	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	0.40 J	1.8 J
styrene	1	1.0 U	4.3 U	1.0 U	4.3 U	0.40 J	1.7 J	0.20 J	0.86 J	1.0 U	4.3 U
bromoform	1	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
1,1,2,2-tetrachloroethane	1	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U
benzyl chloride	1	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U
4-ethyltoluene	1	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
1,3,5-trimethylbenzene	1	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U
1,2,4-trimethylbenzene	1	1.0 U	5.0 U	0.30 J	1.5 J	1.0 U	5.0 U	0.20 J	1.0 J	0.30 J	1.5 J
1,3-dichlorobenzene	1	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,4-dichlorobenzene	1	0.60 J	3.7 J	0.40 J	2.4 J	0.90 J	5.5 J	0.80 J	4.9 J	0.50 J	3.1 J
1,2-dichlorobenzene	1	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,2,4-trichlorobenzene	1	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U
hexachlorobutadiene	1	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
methyl tert-butyl ether (MTBE)	1	0.60 J	2.2 J	0.60 J	2.2 J	0.20 J	0.72 J	0.20 J	0.72 J	1.0	3.6

CRQL = Contract Required Quantitation Limit

ppbv = Parts per billion per unit volume

ug/m<sup>3</sup> = Micrograms per cubic meter

U = Indicates the compound was analyzed for but not detected; the sample quantitation limit is provided.

J = Indicates the compound was analyzed for and detected; due to uncertainties identified during the data quality review, the value is estimated

**TABLE 2**  
**SUMMARY OF VOC DETECTED IN AIR SAMPLES**  
**COLLECTED IN APRIL 2004**

**SITE:** CHILLUM PERC  
**CASE No.:** R31841  
**LABORATORY:** DATACHEM  
**METHOD:** EPA TO-15 MODIFIED

SAMPLE ID: LABORATORY ID: SAMPLE LOCATION:		178-AS-301 C2047 First Floor		212-AS-300 C2048 Basement		212-AS-301 C2049 First Floor		310-AS-309 C2073 Outdoor Ambient 4/16/2004 10:43		360-AS-300 C2050 Basement	
COLLECTION DATE: COLLECTION TIME: DILUTION FACTOR:		4/15/2004 11:04 1		4/15/2004 13:58 1		4/15/2004 13:55 1		4/15/2004 10:43 1		4/15/2004 10:12 1	
RESULTS IN (UNITS):		ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3
COMPOUND	CRQL										
tetrachloroethene	1	1.0 U	6.9 U	1.0 U	6.9 U	1.0 U	6.9 U	1.0 U	6.9 U	0.40 J	2.8 J
dichlorodifluoromethane	1	0.80 J	4.0 J	13	65	18 J	90 J	0.60 J	3.0 J	0.60 J	3.0 J
chloromethane	1	1.2 J	2.5 J	0.90 J	1.9 J	1.0 J	2.1 J	0.60 J	1.3 J	0.80 J	1.7 J
1,2-dichloro-1,1,2,2-tetrafluoroethane	1	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U
vinyl chloride	1	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U
bromomethane	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
chloroethane	1	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U
trichlorofluoromethane	1	0.40 J	2.3 J	4.1	23	6.3	36	0.20 J	1.1 J	0.30 J	1.7 J
cis-1,2-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
carbon disulfide	1	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U
1,1,2-trichloro-1,2,2-trifluoroethane	1	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U
acetone	1	19	46	18	43	28 J	67 J	2.4	5.8	13 J	31 J
methylene chloride	1	1.0 U	3.5 U	1.0 U	3.5 U	1.0 U	3.5 U	1.0 U	3.5 U	0.60 J	2.1 J
trans-1,2-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
1,1-dichloroethane	1	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
vinyl acetate	1	2.2	7.9	1.0 U	3.6 U	1.5 J	5.4 J	1.0 U	3.6 U	2.0	7.2
1,1-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
2-butanone	1	2.1	6.3	0.60 J	1.8 J	0.90 J	2.7 J	1.0 U	3.0 U	0.80 J	2.4 J
chloroform	1	1.3	6.5	0.40 J	2.0 J	0.60 J	3.0 J	1.0 U	5.0 U	0.30 J	1.5 J
1,1,1-trichloroethane	1	1.0 U	5.6 U	0.30 J	1.7 J	0.30 J	1.7 J	1.0 U	5.6 U	1.0 U	5.6 U
carbon tetrachloride	1	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U
benzene	1	0.80 J	2.6 J	1.0	3.3	1.9	6.3	0.40 J	1.3 J	0.60 J	2.0 J
1,2-dichloroethane	1	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
trichloroethene	1	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U
1,2-dichloropropane	1	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
bromodichloromethane	1	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U
cis-1,3-dichloropropene	1	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
4-methyl-2-pentanone	1	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
toluene	1	4.5	17	1.9	7.2	2.7	10	0.80 J	3.0 J	3.2	12
trans-1,3-dichloropropene	1	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
1,1,2-trichloroethane	1	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
2-hexanone	1	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
dlbromochloromethane	1	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U
1,2-dibromoethane	1	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U
chlorobenzene	1	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
ethylbenzene	1	1.3	5.7	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	0.30 J	1.3 J
m,p-xylene	2	3.8	17	0.60 J	2.6 J	0.60 J	2.6 J	0.30 J	1.3 J	1.1 J	4.8 J
o-xylene	1	1.0 J	4.4 J	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	0.40 J	1.8 J
styrene	1	0.30 J	1.3 J	1.0 U	4.3 U	1.0 U	4.3 U	1.0 U	4.3 U	0.30 J	1.3 J
bromoform	1	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
1,1,2,2-tetrachloroethane	1	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U
benzyl chloride	1	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U
4-ethyltoluene	1	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
1,3,5-trimethylbenzene	1	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U
1,2,4-trimethylbenzene	1	0.40 J	2.0 J	0.30 J	1.5 J	0.20 J	1.0 J	1.0 U	5.0 U	0.40 J	2.0 J
1,3-dichlorobenzene	1	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,4-dichlorobenzene	1	0.40 J	2.4 J	1.2	7.3	1.2	7.3	1.0 U	6.1 U	0.30 J	1.8 J
1,2-dichlorobenzene	1	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,2,4-trichlorobenzene	1	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U
hexachlorobutadiene	1	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
methyl tert-butyl ether (MTBE)	1	0.80 J	2.9 J	0.80 J	2.9 J	0.90 J	3.2 J	1.0 U	3.6 U	1.5	5.4

CRQL = Contract Required Quantitation Limit

ppbv = Parts per billion per unit volume

ug/m<sup>3</sup> = Micrograms per cubic meter

U = Indicates the compound was analyzed for but not detected; the sample quantitation limit is provided.

J = Indicates the compound was analyzed for and detected; due to uncertainties identified during the data quality review, the value is estimated

**TABLE 2**  
**SUMMARY OF VOC DETECTED IN AIR SAMPLES**  
**COLLECTED IN APRIL 2004**

**SITE:** CHILLUM PERC  
**CASE No.:** R31841  
**LABORATORY:** DATACHEM  
**METHOD:** EPA TO-15 MODIFIED

COMPOUND	CRQL	360-AS-301 C2051 First Floor		384-AS-300 C2052 Basement		384-AS-301 C2053 First Floor		384-AS-309 C2054 Outdoor Ambient		401-AS-300 C2055 Basement	
		4/15/2004 10:09 1		4/15/2004 16:36 1		4/15/2004 16:34 1		4/15/2004 16:18 1		4/15/2004 08:45 1	
		ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3
tetrachloroethene	1	0.50 J	3.5 J	0.30 J	2.1 J	0.40 J	2.8 J	1.0 U	6.9 U	1.0 U	6.9 U
dichlorodifluoromethane	1	0.60 J	3.0 J	0.60 J	3.0 J	0.50 J	2.5 J	0.50 J	2.5 J	1.3 J	6.5
chloromethane	1	0.80 J	1.7 J	0.70 J	1.5 J	0.90 J	1.9 J	0.60 J	1.3 J	0.50 J	1.1 J
1,2-dichloro-1,1,2,2-tetrafluoroethane	1	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U
vinyl chloride	1	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U
bromomethane	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
chloroethane	1	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U
trichlorofluoromethane	1	0.30 J	1.7 J	0.30 J	1.7 J	0.30 J	1.7 J	0.20 J	1.1 J	0.70 J	4.0 J
cis-1,2-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
carbon disulfide	1	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U
1,1,2-trichloro-1,2,2-trifluoroethane	1	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U
acetone	1	14 J	34 J	11	26	17	41	3.6	8.6	7.3 J	18 J
methylene chloride	1	0.50 J	1.8 J	1.0 U	3.5 U	0.30 J	1.1 J	1.0 U	3.5 U	1.0 U	3.5 U
trans-1,2-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
1,1-dichloroethane	1	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
vinyl acetate	1	1.0 U	3.6 U	1.2	4.3	1.0 U	3.6 U	1.0 U	3.6 U	0.80 J	2.9 J
1,1-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
2-butanone	1	0.90 J	2.7 J	0.90 J	2.7 J	0.70 J	2.1 J	0.50 J	1.5 J	0.70 J	2.1 J
chloroform	1	0.40 J	2.0 J	1.5	7.5	1.6	8.0	1.0 U	5.0 U	0.60 J	3.0 J
1,1,1-trichloroethane	1	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
carbon tetrachloride	1	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U
benzene	1	0.50 J	1.7 J	0.80 J	2.6 J	1.5	5.0	1.1	3.6	0.30 J	0.99 J
1,2-dichloroethane	1	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
trichloroethene	1	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U
1,2-dichloropropane	1	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
bromodichloromethane	1	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U
cis-1,3-dichloropropene	1	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
4-methyl-2-pentanone	1	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
toluene	1	3.5	13	1.8	6.8	6.2	24	0.60 J	2.3 J	0.90 J	3.4 J
trans-1,3-dichloropropene	1	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
1,1,2-trichloroethane	1	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
2-hexanone	1	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
dibromochloromethane	1	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U
1,2-dibromoethane	1	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U
chlorobenzene	1	1.0 U	4.7 U	1.0 U	4.7 U	0.20 J	0.94 J	1.0 U	4.7 U	1.0 U	4.7 U
ethylbenzene	1	0.20 J	0.88 J	1.0 U	4.4 U	0.50 J	2.2 J	1.0 U	4.4 U	1.0 U	4.4 U
m,p-xylene	2	0.70 J	3.1 J	0.70 J	3.1 J	1.6 J	7.0 J	1.0 U	4.4 U	0.60 J	2.6 J
o-xylene	1	0.30 J	1.3 J	0.30 J	1.3 J	0.60 J	2.6 J	1.0 U	4.4 U	1.0 U	4.4 U
styrene	1	0.30 J	1.3 J	1.0 U	4.3 U	0.50 J	2.2 J	1.0 U	4.3 U	1.0 U	4.3 U
bromoform	1	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
1,1,2,2-tetrachloroethane	1	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U
benzyl chloride	1	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U
4-ethyltoluene	1	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
1,3,5-trimethylbenzene	1	1.0 U	5.0 U	1.0 U	5.0 U	0.30 J	1.5 J	1.0 U	5.0 U	1.0 U	5.0 U
1,2,4-trimethylbenzene	1	0.30 J	1.5 J	0.40 J	2.0 J	0.70 J	3.5 J	1.0 U	5.0 U	1.0 U	5.0 U
1,3-dichlorobenzene	1	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,4-dichlorobenzene	1	0.20 J	1.2 J	3.6	22	2.0	12	1.0 U	6.1 U	1.0 U	6.1 U
1,2-dichlorobenzene	1	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,2,4-trichlorobenzene	1	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U
hexachlorobutadiene	1	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
methyl tert-butyl ether (MTBE)	1	1.3	4.7	0.50 J	1.8 J	1.5	5.4	0.40 J	1.4 J	0.50 J	1.8 J

CRQL = Contract Required Quantitation Limit

ppbv = Parts per billion per unit volume

ug/m<sup>3</sup> = Micrograms per cubic meter

U = Indicates the compound was analyzed for but not detected; the sample quantitation limit is provided.

J = Indicates the compound was analyzed for and detected; due to uncertainties identified during the data quality review, the value is estimated

**TABLE 2**  
**SUMMARY OF VOC DETECTED IN AIR SAMPLES**  
**COLLECTED IN APRIL 2004**

**SITE:** CHILLUM PERC  
**CASE No.:** R31841  
**LABORATORY:** DATACHEM  
**METHOD:** EPA TO-15 MODIFIED

COMPOUND	CRQL	401-AS-301 C2056 First Floor		417-AS-300 C2057 Basement		417-AS-301 C2058 First Floor		447-AS-300 C2059 Basement		447-AS-301 C2060 First Floor	
		4/15/2004 08:42 1		4/15/2004 12:32 1		4/15/2004 12:30 1		4/15/2004 11:40 1		4/15/2004 11:35 1	
		ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3
tetrachloroethene	1	1.0 U	6.9 U	0.40 J	2.8 J	0.50 J	3.5 J	1.0 U	6.9 U	1.0 U	6.9 U
dichlorodifluoromethane	1	1.2	6.0	0.80 J	4.0 J	0.70 J	3.5 J	0.50 J	2.5 J	0.50 J	2.5 J
chloromethane	1	0.50 J	1.1 J	1.2	2.5	1.2	2.5	1.2	2.5	1.4	2.9
1,2-dichloro-1,1,2,2-tetrafluoroethane	1	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U
vinyl chloride	1	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U
bromomethane	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
chloroethane	1	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U
trichlorofluoromethane	1	0.50 J	2.9 J	0.50 J	2.9 J	0.50 J	2.9 J	0.20 J	1.1 J	0.20 J	1.1 J
cis-1,2-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
carbon disulfide	1	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U
1,1,2-trichloro-1,2,2-trifluoroethane	1	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U
acetone	1	6.1 J	15 J	15	36	11	26	17	41	10	24
methylene chloride	1	0.30 J	1.1 J	0.70 J	2.5 J	0.60 J	2.1 J	0.20 J	0.70 J	1.0 U	3.5 U
trans-1,2-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
1,1-dichloroethane	1	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
vinyl acetate	1	1.0 U	3.6 U	1.1	4.0	0.90 J	3.2 J	1.8	6.5	1.3	4.7
1,1-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
2-butanone	1	0.50 J	1.5 J	1.0 J	3.0 J	0.80 J	2.4 J	1.7	5.1	1.3	3.9
chloroform	1	0.70 J	3.5 J	0.40 J	2.0 J	0.30 J	1.5 J	0.70 J	3.5 J	1.3	6.5
1,1,1-trichloroethane	1	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
carbon tetrachloride	1	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U
benzene	1	0.40 J	1.3 J	2.2	7.3	2.2	7.3	1.2	4.0	1.2	4.0
1,2-dichloroethane	1	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
trichloroethene	1	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U
1,2-dichloropropane	1	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
bromodichloromethane	1	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U
cis-1,3-dichloropropene	1	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
4-methyl-2-pentanone	1	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
toluene	1	1.7	6.5	2.0	7.6	1.8	6.8	3.3	13	2.9	11
trans-1,3-dichloropropene	1	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
1,1,2-trichloroethane	1	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
2-hexanone	1	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
dibromochloromethane	1	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U
1,2-dibromoethane	1	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U
chlorobenzene	1	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
ethylbenzene	1	0.20 J	0.88 J	1.0 U	4.4 U	1.0 U	4.4 U	0.50 J	2.2 J	0.40 J	1.8 J
m,p-xylene	2	0.70 J	3.1 J	0.40 J	1.8 J	0.40 J	1.8 J	1.6 J	7.0 J	1.2 J	5.3 J
o-xylene	1	0.20 J	0.88 J	1.0 U	4.4 U	1.0 U	4.4 U	0.60 J	2.6 J	0.40 J	1.8 J
styrene	1	1.0 U	4.3 U	0.20 J	0.86 J	1.0 U	4.3 U	0.70 J	3.0 J	1.3	5.6
bromoform	1	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
1,1,2,2-tetrachloroethane	1	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U
benzyl chloride	1	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U
4-ethyltoluene	1	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	0.20 J	0.88 J	1.0 U	4.4 U
1,3,5-trimethylbenzene	1	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	0.20 J	1.0 J	1.0 U	5.0 U
1,2,4-trimethylbenzene	1	0.30 J	1.5 J	1.0 U	5.0 U	1.0 U	5.0 U	0.70 J	3.5 J	0.60 J	3.0 J
1,3-dichlorobenzene	1	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,4-dichlorobenzene	1	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.1	6.7	0.80 J	4.9 J
1,2-dichlorobenzene	1	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,2,4-trichlorobenzene	1	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U
hexachlorobutadiene	1	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
methyl tert-butyl ether (MTBE)	1	0.70 J	2.5 J	0.40 J	1.4 J	0.40 J	1.4 J	3.3	12	2.2	7.9

CRQL = Contract Required Quantitation Limit

ppbv = Parts per billion per unit volume

ug/m<sup>3</sup> = Micrograms per cubic meter

U = Indicates the compound was analyzed for but not detected; the sample quantitation limit is provided.

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**TABLE 2**  
**SUMMARY OF VOC DETECTED IN AIR SAMPLES**  
**COLLECTED IN APRIL 2004**

**SITE:** CHILLUM PERC  
**CASE No.:** R31841  
**LABORATORY:** DATACHEM  
**METHOD:** EPA TO-15 MODIFIED

SAMPLE ID: LABORATORY ID: SAMPLE LOCATION:		546-AS-300 C2070 Basement		546-AS-301 C2071 First Floor		593-AS-300 C2036 Basement		593-AS-301 C2037 First Floor		991-AS-300 C2061 Trip Blank	
COLLECTION DATE: COLLECTION TIME: DILUTION FACTOR:		4/16/2004 08:46 1		4/16/2004 08:42 1		4/14/2004 19:14 1		4/14/2004 19:11 1		4/16/2004 09:00 1	
RESULTS IN (UNITS):		ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3
COMPOUND	CRQL										
tetrachloroethene	1	0.20 J	1.4 J	1.0 U	6.9 U	1.1	7.6	0.40 J	2.8 J	1.0 U	6.9 U
dichlorodifluoromethane	1	0.60 J	3.0 J	0.60 J	3.0 J	0.50 J	2.5 J	0.60 J	3.0 J	1.0 U	5.0 U
chloromethane	1	0.70 J	1.5 J	0.90 J	1.9 J	0.60 J	1.3 J	0.80 J	1.7 J	1.0 U	2.1 U
1,2-dichloro-1,1,2,2-tetrafluoroethane	1	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U
vinyl chloride	1	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U
bromomethane	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
chloroethane	1	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U
trichlorofluoromethane	1	0.40 J	2.3 J	0.20 J	1.1 J	0.30 J	1.7 J	0.60 J	3.4 J	1.0 U	5.7 U
cis-1,2-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
carbon disulfide	1	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U
1,1,2-trichloro-1,2,2-trifluoroethane	1	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U
acetone	1	12 U	29 U	14 U	34 U	10	24	15	36	1.0 U	2.4 U
methylene chloride	1	0.30 J	1.1 J	0.30 J	1.1 J	1.0 U	3.5 U	1.0 U	3.5 U	1.0 U	3.5 U
trans-1,2-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
1,1-dichloroethane	1	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
vinyl acetate	1	1.0 U	3.6 U	1.0 U	3.6 U	0.60 J	2.2 J	0.70 J	2.5 J	1.0 U	3.6 U
1,1-dichloroethene	1	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
2-butanone	1	0.60 J	1.8 J	0.60 J	1.8 J	0.70 J	2.1 J	0.60 J	1.8 J	1.0 U	3.0 U
chloroform	1	1.0 U	5.0 U	0.40 J	2.0 J	0.30 J	1.5 J	1.1	5.5	1.0 U	5.0 U
1,1,1-trichloroethane	1	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
carbon tetrachloride	1	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U
benzene	1	1.0 J	3.3 J	1.3	4.3	0.40 J	1.3 J	0.40 J	1.3 J	1.0 U	3.3 U
1,2-dichloroethane	1	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
trichloroethene	1	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U
1,2-dichloropropane	1	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
bromodichloromethane	1	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U
cis-1,3-dichloropropene	1	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
4-methyl-2-pentanone	1	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
toluene	1	4.5	17	6.0	23	1.3	4.9	1.2	4.6	1.0 U	3.8 U
trans-1,3-dichloropropene	1	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
1,1,2-trichloroethane	1	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
2-hexanone	1	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
dlbromochloromethane	1	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U
1,2-dibromoethane	1	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U
chlorobenzene	1	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
ethylbenzene	1	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
m,p-xylene	2	0.60 J	2.6 J	0.70 J	3.1 J	0.50 J	2.2 J	0.40 J	1.8 J	1.0 U	4.4 U
o-xylene	1	0.20 J	0.88 J	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
styrene	1	1.0 U	4.3 U	1.0 U	4.3 U	1.0 U	4.3 U	1.0 U	4.3 U	1.0 U	4.3 U
bromoform	1	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
1,1,2,2-tetrachloroethane	1	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U
benzyl chloride	1	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U
4-ethyltoluene	1	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
1,3,5-trimethylbenzene	1	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U
1,2,4-trimethylbenzene	1	0.20 J	1.0 J	0.40 J	2.0 J	0.40 J	2.0 J	0.20 J	1.0 J	1.0 U	5.0 U
1,3-dichlorobenzene	1	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,4-dichlorobenzene	1	0.20 J	1.2 J	1.0 U	6.1 U	2.3	14	8.6	52	1.0 U	6.1 U
1,2-dichlorobenzene	1	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,2,4-trichlorobenzene	1	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U
hexachlorobutadiene	1	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
methyl tert-butyl ether (MTBE)	1	0.90 J	3.2 J	0.80 J	2.9 J	0.40 J	1.4 J	0.30 J	1.1 J	1.0 U	3.6 U

CRQL = Contract Required Quantitation Limit

ppbv = Parts per billion per unit volume

ug/m<sup>3</sup> = Micrograms per cubic meter

U = Indicates the compound was analyzed for but not detected; the sample quantitation limit is provided.

J = Indicates the compound was analyzed for and detected; due to uncertainties identified during the data quality review, the value is estimated

**TABLE 2**  
**SUMMARY OF VOC DETECTED IN AIR SAMPLES**  
**COLLECTED IN APRIL 2004**

**SITE:** CHILLUM PERC  
**CASE No.:** R31841  
**LABORATORY:** DATACHEM  
**METHOD:** EPA TO-15 MODIFIED

**SAMPLE ID:** 991-AS-340  
**LABORATORY ID:** C2072  
**SAMPLE LOCATION:** Trip Blank  
  
**COLLECTION DATE:** 4/17/2004  
**COLLECTION TIME:** 08:00  
**DILUTION FACTOR:** 1  
**RESULTS IN (UNITS):** ppbv      µg/m3

COMPOUND	CRQL		
tetrachloroethene	1	1.0 U	6.9 U
dichlorodifluoromethane	1	1.0 U	5.0 U
chloromethane	1	1.0 U	2.1 U
1,2-dichloro-1,1,2,2-tetrafluoroethane	1	1.0 U	7.1 U
vinyl chloride	1	1.0 U	2.6 U
bromomethane	1	1.0 U	4.0 U
chloroethane	1	1.0 U	2.7 U
trichlorofluoromethane	1	1.0 U	5.7 U
cis-1,2-dichloroethene	1	1.0 U	4.0 U
carbon disulfide	1	1.0 U	3.2 U
1,1,2-trichloro-1,2,2-trifluoroethane	1	1.0 U	7.7 U
acetone	1	1.0 U	2.4 U
methylene chloride	1	1.0 U	3.5 U
trans-1,2-dichloroethene	1	1.0 U	4.0 U
1,1-dichloroethane	1	1.0 U	4.1 U
vinyl acetate	1	1.0 U	3.6 U
1,1-dichloroethene	1	1.0 U	4.0 U
2-butanone	1	1.0 U	3.0 U
chloroform	1	1.0 U	5.0 U
1,1,1-trichloroethane	1	1.0 U	5.6 U
carbon tetrachloride	1	1.0 U	6.4 U
benzene	1	1.0 U	3.3 U
1,2-dichloroethane	1	1.0 U	4.1 U
trichloroethene	1	1.0 U	5.5 U
1,2-dichloropropane	1	1.0 U	4.7 U
bromodichloromethane	1	1.0 U	6.8 U
cis-1,3-dichloropropene	1	1.0 U	4.6 U
4-methyl-2-pentanone	1	1.0 U	4.2 U
toluene	1	1.0 U	3.8 U
trans-1,3-dichloropropene	1	1.0 U	4.6 U
1,1,2-trichloroethane	1	1.0 U	5.6 U
2-hexanone	1	1.0 U	4.2 U
dibromochloromethane	1	1.0 U	8.7 U
1,2-dibromoethane	1	1.0 U	7.8 U
chlorobenzene	1	1.0 U	4.7 U
ethylbenzene	1	1.0 U	4.4 U
m,p-xylene	2	1.0 U	4.4 U
o-xylene	1	1.0 U	4.4 U
styrene	1	1.0 U	4.3 U
bromoform	1	1.0 U	11 U
1,1,2,2-tetrachloroethane	1	1.0 U	7.0 U
benzyl chloride	1	1.0 U	5.3 U
4-ethyltoluene	1	1.0 U	4.4 U
1,3,5-trimethylbenzene	1	1.0 U	5.0 U
1,2,4-trimethylbenzene	1	1.0 U	5.0 U
1,3-dichlorobenzene	1	1.0 U	6.1 U
1,4-dichlorobenzene	1	1.0 U	6.1 U
1,2-dichlorobenzene	1	1.0 U	6.1 U
1,2,4-trichlorobenzene	1	1.0 U	7.5 U
hexachlorobutadiene	1	1.0 U	11 U
methyl tert-butyl ether (MTBE)	1	1.0 U	3.6 U

CRQL = Contract Required Quantitation Limit

ppbv = Parts per billion per unit volume

ug/m³ = Micrograms per cubic meter

U = Indicates the compound was analyzed for but not detected; the sample quantitation limit is provided.

J = Indicates the compound was analyzed for and detected; due to uncertainties identified during the data quality review, the value is estimated

SITE: CHILLUM PERC  
CASE No.: R31840  
LABORATORY: DATACHEM  
METHOD: EPA TO-15 MODIFIED

TABLE 2  
SUMMARY OF VOC DETECTED IN AIR SAMPLES  
COLLECTED IN APRIL 2004

COMPOUND	042-AS-300		042-AS-301		042-AS-309		122-AS-300		122-AS-301	
	C2019		C2020		C2040		C2021		C2022	
	Basement		First Floor		Outdoor Ambient		Basement		First Floor	
	4/14/2004 12:42 1		4/14/2004 12:45 1		4/14/2004 12:39 1		4/14/2004 15:45 1		4/14/2004 15:43 1	
RESULTS IN (UNITS):	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3
tetrachloroethene	1.0	1.0 U	1.0	6.9 U	1.0	6.9 U	0.30	J	0.47	J
dichlorodifluoromethane	1.0	0.60 J	1.0	3.0 J	0.60	J	0.54	J	0.52	J
chloromethane	1.0	0.61 J	1.0	1.3 J	0.66	J	0.66	J	0.62	J
1,2-dichloro-1,1,2,2-tetrafluoroethane	1.0	1.0 U	1.0	7.1 U	1.0	7.1 U	1.0	U	1.0	U
vinyl chloride	1.0	1.0 U	1.0	2.6 U	1.0	2.6 U	1.0	U	1.0	U
bromomethane	1.0	1.0 U	1.0	4.0 U	1.0	4.0 U	1.0	U	1.0	U
chloroethane	1.0	1.0 U	1.0	2.7 U	1.0	2.7 U	1.0	U	1.0	U
trichlorofluoromethane	1.0	0.36 J	1.0	2.1 J	0.51	J	0.29	J	0.31	J
cis-1,2-dichloroethene	1.0	1.0 U	1.0	4.0 U	1.0	4.0 U	1.0	U	1.0	U
carbon disulfide	1.0	1.0 U	1.0	3.2 U	1.0	3.2 U	1.0	U	1.0	U
1,1,2-trichloro-1,2,2-trifluoroethane	1.0	1.0 U	1.0	7.7 U	1.0	7.7 U	1.0	U	1.0	U
acetone	1.0	14	1.0	34	1.0	22	1.0	17	1.0	22
methylene chloride	1.0	1.0 U	1.0	3.5 U	0.20	J	0.21	J	1.0	U
trans-1,2-dichloroethene	1.0	1.0 U	1.0	4.0 U	1.0	4.0 U	1.0	U	1.0	U
1,1-dichloroethane	1.0	1.0 U	1.0	4.1 U	1.0	4.1 U	1.0	U	1.0	U
vinyl acetate	1.0	0.81 B	1.0	2.9 B	0.71	B	1.2	B	1.2	B
1,1-dichloroethene	1.0	1.0 U	1.0	4.0 U	1.0	4.0 U	1.0	U	1.0	U
2-butanone	1.0	13	1.0	39	1.0	75	1.0	3.0	1.0	3.0
chloroform	1.0	0.31 J	1.0	1.6 J	0.61	J	0.39	J	1.0	5.0
1,1,1-trichloroethane	1.0	0.35 J	1.0	2.0 J	1.0	5.6 U	1.0	5.6 U	1.0	5.6 U
carbon tetrachloride	1.0	1.0 U	1.0	6.4 U	1.0	6.4 U	1.0	6.4 U	1.0	6.4 U
benzene	1.0	0.37 J	1.0	1.2 J	0.57	J	0.46	J	0.34	J
1,2-dichloroethane	1.0	1.0 U	1.0	4.1 U	1.0	4.1 U	1.0	4.1 U	1.0	4.1 U
trichloroethene	1.0	1.0 U	1.0	5.5 U	1.0	5.5 U	1.0	5.5 U	1.0	5.5 U
1,2-dichloropropane	1.0	1.0 U	1.0	4.7 U	1.0	4.7 U	1.0	4.7 U	1.0	4.7 U
bromodichloromethane	1.0	1.0 U	1.0	6.8 U	1.0	6.8 U	1.0	6.8 U	1.0	6.8 U
cis-1,3-dichloropropene	1.0	1.0 U	1.0	4.6 U	1.0	4.6 U	1.0	4.6 U	1.0	4.6 U
4-methyl-2-pentanone	1.0	1.0 U	1.0	4.2 U	1.0	4.2 U	1.0	4.2 U	1.0	4.2 U
toluene	1.0	1.1	1.0	4.2	1.0	5.7	1.7	6.5	1.9	7.2
trans-1,3-dichloropropene	1.0	1.0 U	1.0	4.6 U	1.0	4.6 U	1.0	4.6 U	1.0	4.6 U
1,1,2-trichloroethane	1.0	1.0 U	1.0	5.6 U	1.0	5.6 U	1.0	5.6 U	1.0	5.6 U
2-hexanone	1.0	1.0 U	1.0	4.2 U	1.0	4.2 U	1.0	4.2 U	1.0	4.2 U
dibromochloromethane	1.0	1.0 U	1.0	8.7 U	1.0	8.7 U	1.0	8.7 U	1.0	8.7 U
1,2-dibromoethane	1.0	1.0 U	1.0	7.8 U	1.0	7.8 U	1.0	7.8 U	1.0	7.8 U
chlorobenzene	1.0	1.0 U	1.0	4.7 U	1.0	4.7 U	1.0	4.7 U	1.0	4.7 U
ethylbenzene	1.0	1.0 U	1.0	4.4 U	1.0	4.4 U	1.0	4.4 U	0.26	J
m,p-xylene	2.0	0.43 J	1.0	1.9 J	0.49	J	0.83	J	0.84	J
o-xylene	1.0	1.0 U	1.0	4.4 U	1.0	4.4 U	1.0	4.4 U	1.0	4.4 U
styrene	1.0	1.0 U	1.0	4.3 U	1.0	4.3 U	0.21	J	0.9	J
bromoform	1.0	1.0 U	1.0	11 U	1.0	11 U	1.0	11 U	1.0	11 U
1,1,2,2-tetrachloroethane	1.0	1.0 U	1.0	7.0 U	1.0	7.0 U	1.0	7.0 U	1.0	7.0 U
benzyl chloride	1.0	1.0 U	1.0	5.3 U	1.0	5.3 U	1.0	5.3 U	1.0	5.3 U
4-ethyltoluene	1.0	1.0 U	1.0	4.4 U	1.0	4.4 U	1.0	4.4 U	1.0	4.4 U
1,3,5-trimethylbenzene	1.0	0.20 J	1.0	1.0 J	0.41	J	1.0	5.0 U	1.0	5.0 U
1,2,4-trimethylbenzene	1.0	0.82 J	1.0	4.1 J	1.5	7.5	0.33	J	0.27	J
1,3-dichlorobenzene	1.0	1.0 U	1.0	6.1 U	1.0	6.1 U	1.0	6.1 U	1.0	6.1 U
1,4-dichlorobenzene	1.0	1.0 U	1.0	6.1 U	1.0	6.1 U	1.2	7.3	1.3	7.9
1,2-dichlorobenzene	1.0	1.0 U	1.0	6.1 U	1.0	6.1 U	1.0	6.1 U	1.0	6.1 U
1,2,4-trichlorobenzene	1.0	1.0 U	1.0	7.5 U	1.0	7.5 U	1.0	7.5 U	1.0	7.5 U
hexachlorobutadiene	1.0	1.0 U	1.0	11 U	1.0	11 U	1.0	11 U	1.0	11 U
methyl tert-butyl ether (MTBE)	1.0	0.30 J	1.0	1.1 J	0.27	J	1.2	4.3	1.0	3.6

CRQL = Contract Required Quantitation Limit

ppbv = Parts per billion per unit volume

µg/m³ = Micrograms per cubic meter

U = Indicates the compound was analyzed for but not detected; the sample quantitation limit is provided.

J = Indicates the compound was analyzed for and detected; due to uncertainties identified during the data quality review, the value is estimated

SITE: CHILLUM PERC  
CASE No.: R31840  
LABORATORY: DATACHEM  
METHOD: EPA TO-15 MODIFIED

TABLE 2  
SUMMARY OF VOC DETECTED IN AIR SAMPLES  
COLLECTED IN APRIL 2004

SAMPLE ID: LABORATORY ID: SAMPLE LOCATION:		193-AS-300 C2027 Basement		193-AS-390 C2031 Basement Collocated with C2027		193-AS-310 C2029 Basement		193-AS-301 C2028 First Floor		193-AS-311 C2030 First Floor	
COLLECTION DATE: COLLECTION TIME: DILUTION FACTOR:		4/14/2004 15:16 1		4/14/2004 15:14 1		4/14/2004 15:18 1		4/14/2004 14:49 1		4/14/2004 14:51 1	
RESULTS IN (UNITS):		ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3
COMPOUND	CRQL										
tetrachloroethene	1.0	1.0 U	6.9 U	1.0 U	6.9 U	1.0 U	6.9 U	1.0 U	6.9 U	1.0 U	6.9 U
dichlorodifluoromethane	1.0	0.55 J	2.8 J	0.53 J	2.7 J	0.51 J	2.6 J	0.59 J	3.0 J	0.57 J	2.9 J
chloromethane	1.0	0.58 J	1.2 J	0.57 J	1.2 J	0.57 J	1.2 J	0.63 J	1.3 J	0.49 J	1.0 J
1,2-dichloro-1,1,2,2-tetrafluoroethane	1.0	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U
vinyl chloride	1.0	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U
bromomethane	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
chloroethane	1.0	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U
trichlorofluoromethane	1.0	0.23 J	1.3 J	0.23 J	1.3 J	1.0 U	5.7 U	0.22 J	1.3 J	0.21 J	1.2 J
cis-1,2-dichloroethene	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
carbon disulfide	1.0	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U
1,1,2-trichloro-1,2,2-trifluoroethane	1.0	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U
acetone	1.0	5.9	14	5.1	12	6.4	15	6.4	15	9.1	22
methylene chloride	1.0	1.0 U	3.5 U	1.0 U	3.5 U	1.0 U	3.5 U	1.0 U	3.5 U	1.0 U	3.5 U
trans-1,2-dichloroethene	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
1,1-dichloroethane	1.0	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
vinyl acetate	1.0	0.72 B	2.6 B	0.69 B	2.5 B	0.95 B	3.4 B	0.85 B	3.1 B	1.0 B	3.6 B
1,1-dichloroethene	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
2-butanone	1.0	0.60 J	1.8 J	0.57 J	1.7 J	0.63 J	1.9 J	1.0 U	3.0 U	0.73 J	2.2 J
chloroform	1.0	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U
1,1,1-trichloroethane	1.0	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
carbon tetrachloride	1.0	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U
benzene	1.0	0.65 J	2.1 J	0.62 J	2.0 J	0.59 J	1.9 J	0.69 J	2.3 J	0.72 J	2.4 J
1,2-dichloroethane	1.0	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
trichloroethene	1.0	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U
1,2-dichloropropane	1.0	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
bromodichloromethane	1.0	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U
cis-1,3-dichloropropene	1.0	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
4-methyl-2-pentanone	1.0	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
toluene	1.0	0.72 J	2.7 J	0.76 J	2.9 J	0.94 J	3.6 J	0.76 J	2.9 J	1.2	4.6
trans-1,3-dichloropropene	1.0	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
1,1,2-trichloroethane	1.0	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
2-hexanone	1.0	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
dlbromochloromethane	1.0	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U
1,2-dibromoethane	1.0	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U
chlorobenzene	1.0	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
ethylbenzene	1.0	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
m,p-xylene	2.0	0.44 J	1.9 J	0.38 J	1.7 J	0.50 J	2.2 J	0.32 J	1.4 J	0.56 J	2.5 J
o-xylene	1.0	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
styrene	1.0	1.0 U	4.3 U	1.0 U	4.3 U	1.0 U	4.3 U	1.0 U	4.3 U	1.0 U	4.3 U
bromoform	1.0	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
1,1,2,2-tetrachloroethane	1.0	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U
benzyl chloride	1.0	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U
4-ethyltoluene	1.0	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
1,3,5-trimethylbenzene	1.0	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U
1,2,4-trimethylbenzene	1.0	0.30 J	1.5 J	0.27 J	1.4 J	0.35 J	1.8 J	1.0 U	5.0 U	1.0 U	5.0 U
1,3-dichlorobenzene	1.0	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,4-dichlorobenzene	1.0	25 J	153 J	22 J	130 J	23 J	140 J	5.3	32	6.0	37
1,2-dichlorobenzene	1.0	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,2,4-trichlorobenzene	1.0	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U
hexachlorobutadiene	1.0	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
methyl tert-butyl ether (MTBE)	1.0	0.33 J	1.2 J	0.37 J	1.3 J	0.38 J	1.4 J	0.43 J	1.5 J	0.52 J	1.9 J

CRQL = Contract Required Quantitation Limit

ppbv = Parts per billion per unit volume

µg/m³ = Micrograms per cubic meter

U = Indicates the compound was analyzed for but not detected; the sample quantitation limit is provided.

J = Indicates the compound was analyzed for and detected; due to uncertainties identified during the data quality review, the value is estimated

SITE: CHILLUM PERC  
CASE No.: R31840  
LABORATORY: DATACHEM  
METHOD: EPA TO-15 MODIFIED

TABLE 2  
SUMMARY OF VOC DETECTED IN AIR SAMPLES  
COLLECTED IN APRIL 2004

SAMPLE ID: LABORATORY ID: SAMPLE LOCATION:		295-AS-300 C2007 Basement		295-AS-301 C2008 First Floor		302-AS-300 C2032 Basement		302-AS-301 C2039 First Floor		337-AS-300 C2016 Basement	
COLLECTION DATE: COLLECTION TIME: DILUTION FACTOR:		4/13/2004 10:04 1		4/13/2004 10:00 1		4/14/2004 8:51 1		4/14/2004 8:46 1		4/13/2004 17:52 1	
RESULTS IN (UNITS):		ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3
COMPOUND	CRQL										
tetrachloroethene	1.0	0.52 J	3.6 J	0.58 J	4.0 J	0.68 J	4.7 J	0.91 J	6.3 J	0.57 J	3.9 J
dichlorodifluoromethane	1.0	0.59 J	3.0 J	0.59 J	3.0 J	0.48 J	2.4 J	0.50 J	2.5 J	0.59 J	3.0 J
chloromethane	1.0	0.50 J	1.1 J	0.66 J	1.4 J	0.57 J	1.2 J	0.46 J	1.0 J	0.59 J	1.2 J
1,2-dichloro-1,1,2,2-tetrafluoroethane	1.0	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U
vinyl chloride	1.0	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U
bromomethane	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
chloroethane	1.0	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U
trichlorofluoromethane	1.0	0.25 J	1.4 J	0.27 J	1.5 J	0.32 J	1.8 J	0.35 J	2.0 J	0.48 J	2.7 J
cis-1,2-dichloroethene	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
carbon disulfide	1.0	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U
1,1,2-trichloro-1,2,2-trifluoroethane	1.0	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U
acetone	1.0	13 J	31 J	17 J	41 J	14	34	12 J	29 J	7.9 J	19 J
methylene chloride	1.0	0.23 J	0.8 J	1.0 U	3.5 U	0.67 J	2.3 J	0.6 J	2.1 J	0.22 J	0.8 J
trans-1,2-dichloroethene	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
1,1-dichloroethane	1.0	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
vinyl acetate	1.0	3.3	12	2.8	10	1.2 B	4.3 B	1.0 U	3.6 U	1.1	4.0
1,1-dichloroethene	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
2-butanone	1.0	1.1	3.3	1.4	4.2	0.95 J	2.9 J	0.29 J	0.9 J	1.0 U	3.0 U
chloroform	1.0	0.93 J	4.7 J	1.1	5.5	0.27 J	1.4 J	0.32 J	1.6 J	0.59 J	3.0 J
1,1,1-trichloroethane	1.0	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
carbon tetrachloride	1.0	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U
benzene	1.0	1.7	5.6	1.5	5.0	0.33 J	1.1 J	0.39 J	1.3 J	0.53 J	1.7 J
1,2-dichloroethane	1.0	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
trichloroethene	1.0	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U
1,2-dichloropropane	1.0	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
bromodichloromethane	1.0	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U
cis-1,3-dichloropropene	1.0	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
4-methyl-2-pentanone	1.0	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
toluene	1.0	2.5	9.5	2.6	9.9	2.3	8.7	2.7	10	2.2	8.4
trans-1,3-dichloropropene	1.0	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
1,1,2-trichloroethane	1.0	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
2-hexanone	1.0	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
dlbromochloromethane	1.0	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U
1,2-dibromoethane	1.0	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U
chlorobenzene	1.0	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
ethylbenzene	1.0	0.20 J	0.9 J	1.0 U	4.4 U	0.40 J	1.8 J	0.56 J	2.5 J	1.0 U	4.4 U
m,p-xylene	2.0	0.62 J	2.7 J	0.52 J	2.3 J	1.8 J	7.9 J	1.8 J	7.9 J	0.51 J	2.2 J
o-xylene	1.0	1.0 U	4.4 U	1.0 U	4.4 U	0.22 J	1.0 J	0.31 J	1.4 J	1.0 U	4.4 U
styrene	1.0	0.20 J	0.9 J	1.0 U	4.3 U	0.59 J	2.5 J	0.66 J	2.8 J	1.0 U	4.3 U
bromoform	1.0	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
1,1,2,2-tetrachloroethane	1.0	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U
benzyl chloride	1.0	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U
4-ethyltoluene	1.0	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
1,3,5-trimethylbenzene	1.0	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U
1,2,4-trimethylbenzene	1.0	0.25 J	1.3 J	0.26 J	1.3 J	0.28 J	1.4 J	0.31 J	1.6 J	0.30 J	1.5 J
1,3-dichlorobenzene	1.0	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,4-dichlorobenzene	1.0	0.95 J	5.8 J	0.73 J	4.5 J	0.39 J	2.4 J	0.44 J	2.7 J	0.30 J	1.8 J
1,2-dichlorobenzene	1.0	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,2,4-trichlorobenzene	1.0	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U
hexachlorobutadiene	1.0	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
methyl tert-butyl ether (MTBE)	1.0	0.54 J	1.9 J	0.55 J	2.0 J	0.26 J	0.9 J	0.30 J	1.1 J	1.1	4.0

CRQL = Contract Required Quantitation Limit

ppbv = Parts per billion per unit volume

ug/m³ = Micrograms per cubic meter

U = Indicates the compound was analyzed for but not detected; the sample quantitation limit is provided.

J = Indicates the compound was analyzed for and detected; due to uncertainties identified during the data quality review, the value is estimated

SITE: CHILLUM PERC  
CASE No.: R31840  
LABORATORY: DATACHEM  
METHOD: EPA TO-15 MODIFIED

TABLE 2  
SUMMARY OF VOC DETECTED IN AIR SAMPLES  
COLLECTED IN APRIL 2004

SAMPLE ID: LABORATORY ID: SAMPLE LOCATION:		337-AS-301 C2017 First Floor		339-AS-300 C2000 Basement		339-AS-301 C2001 First Floor		362-AS-300 C2033 Basement		362-AS-301 C2034 First Floor	
COLLECTION DATE: COLLECTION TIME: DILUTION FACTOR:		4/13/2004 17:49 1		4/13/2004 9:05 1		4/13/2004 9:00 1		4/14/2004 10:55 1		4/14/2004 10:46 1	
RESULTS IN (UNITS):		ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3
COMPOUND	CRQL										
tetrachloroethene	1.0	0.39 J	2.7 J	1.0 U	6.9 U	0.23 J	1.6 J	1.2	8.3	1.4	9.7
dichlorodifluoromethane	1.0	0.56 J	2.8 J	0.60 J	3.0 J	0.67 J	3.4 J	0.50 J	2.5 J	0.51 J	2.6 J
chloromethane	1.0	0.65 J	1.4 J	0.46 J	1.0 J	0.49 J	1.0 J	0.53 J	1.1 J	0.53 J	1.1 J
1,2-dichloro-1,1,2,2-tetrafluoroethane	1.0	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U
vinyl chloride	1.0	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U
bromomethane	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
chloroethane	1.0	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U
trichlorofluoromethane	1.0	0.40 J	2.3 J	0.30 J	1.7 J	0.33 J	1.9 J	0.23 J	1.3 J	0.23 J	1.3 J
cis-1,2-dichloroethene	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
carbon disulfide	1.0	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U
1,1,2-trichloro-1,2,2-trifluoroethane	1.0	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U
acetone	1.0	8.8 J	21 J	8.0 J	19 J	8.9 J	21 J	34 J	82 J	32 J	77 J
methylene chloride	1.0	0.37 J	1.3 J	1.0 U	3.5 U	1.0 U	3.5 U	0.27 J	0.9 J	0.25 J	0.9 J
trans-1,2-dichloroethene	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
1,1-dichloroethane	1.0	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
vinyl acetate	1.0	1.1	4.0	1.2	4.3	1.2	4.3	0.74 B	2.7 B	0.80 B	2.9 B
1,1-dichloroethene	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
2-butanone	1.0	0.48 J	1.4 J	0.67 J	2.0 J	0.95 J	2.9 J	0.88 J	2.6 J	0.62 J	1.9 J
chloroform	1.0	0.89 J	4.5 J	0.28 J	1.4 J	0.47 J	2.4 J	0.34 J	1.7 J	0.42 J	2.1 J
1,1,1-trichloroethane	1.0	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
carbon tetrachloride	1.0	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U
benzene	1.0	0.49 J	1.6 J	0.66 J	2.2 J	0.75 J	2.5 J	0.41 J	1.4 J	0.42 J	1.4 J
1,2-dichloroethane	1.0	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
trichloroethene	1.0	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U
1,2-dichloropropane	1.0	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
bromodichloromethane	1.0	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U
cis-1,3-dichloropropene	1.0	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
4-methyl-2-pentanone	1.0	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
toluene	1.0	1.8	6.8	1.9	7.2	2.9	11	2.3	8.7	2.7	10
trans-1,3-dichloropropene	1.0	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
1,1,2-trichloroethane	1.0	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
2-hexanone	1.0	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
dibromochloromethane	1.0	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U
1,2-dibromoethane	1.0	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U
chlorobenzene	1.0	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
ethylbenzene	1.0	1.0 U	4.4 U	0.36 J	1.6 J	0.50 J	2.2 J	0.34 J	1.5 J	0.29 J	1.3 J
m,p-xylene	2.0	0.45 J	2.0 J	1.3 J	5.7 J	1.7 J	7.5 J	1.3 J	5.7 J	1.2 J	5.3 J
o-xylene	1.0	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
styrene	1.0	1.0 U	4.3 U	0.43 J	1.8 J	0.55 J	2.4 J	0.44 J	1.9 J	0.39 J	1.7 J
bromoform	1.0	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
1,1,2,2-tetrachloroethane	1.0	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U
benzyl chloride	1.0	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U
4-ethyltoluene	1.0	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U	1.0 U	4.4 U
1,3,5-trimethylbenzene	1.0	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U	1.0 U	5.0 U
1,2,4-trimethylbenzene	1.0	0.28 J	1.4 J	0.49 J	2.5 J	0.55 J	2.8 J	0.56 J	2.8 J	0.68 J	3.4 J
1,3-dichlorobenzene	1.0	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,4-dichlorobenzene	1.0	0.21 J	1.3 J	1.3	7.9	1.8	11	39 J	240 J	45 J	280 J
1,2-dichlorobenzene	1.0	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,2,4-trichlorobenzene	1.0	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U
hexachlorobutadiene	1.0	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
methyl tert-butyl ether (MTBE)	1.0	0.82 J	3.0 J	1.1	4.0	1.1	4.0	0.26 J	0.9 J	0.23 J	0.8 J

CRQL = Contract Required Quantitation Limit

ppbv = Parts per billion per unit volume

ug/m<sup>3</sup> = Micrograms per cubic meter

U = Indicates the compound was analyzed for but not detected; the sample quantitation limit is provided.

J = Indicates the compound was analyzed for and detected; due to uncertainties identified during the data quality review, the value is estimated

SITE: CHILLUM PERC  
CASE No.: R31840  
LABORATORY: DATACHEM  
METHOD: EPA TO-15 MODIFIED

TABLE 2  
SUMMARY OF VOC DETECTED IN AIR SAMPLES  
COLLECTED IN APRIL 2004

SAMPLE ID: LABORATORY ID: SAMPLE LOCATION:		390-AS-300 C2003 Basement		390-AS-301 C2004 First Floor		413-AS-300 C2011 Basement		413-AS-301 C2012 First Floor		991-AS-310 C2018 Trip Blank	
COLLECTION DATE: COLLECTION TIME: DILUTION FACTOR:		4/13/2004 11:14 1		4/13/2004 11:10 1		4/13/2004 15:19 1		4/13/2004 15:16 1		4/14/2004 11:20 1	
RESULTS IN (UNITS):		ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3	ppbv	µg/m3
COMPOUND	CRQL										
tetrachloroethene	1.0	1.0 U	6.9 U	1.0 U	6.9 U	0.33 J	2.3 J	0.34 J	2.3 J	1.0 U	6.9 U
dichlorodifluoromethane	1.0	0.58 J	2.9 J	0.65 J	3.3 J	0.65 J	3.3 J	0.65 J	3.3 J	1.0 U	5.0 U
chloromethane	1.0	0.53 J	1.1 J	0.55 J	1.2 J	1.3	2.7	1.2	2.5	1.0 U	2.1 U
1,2-dichloro-1,1,2,2-tetrafluoroethane	1.0	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U	1.0 U	7.1 U
vinyl chloride	1.0	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U	1.0 U	2.6 U
bromomethane	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
chloroethane	1.0	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U	1.0 U	2.7 U
trichlorofluoromethane	1.0	0.51 J	2.9 J	0.70 J	4.0 J	0.30 J	1.7 J	0.35 J	2.0 J	1.0 U	5.7 U
cis-1,2-dichloroethene	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
carbon disulfide	1.0	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U	1.0 U	3.2 U
1,1,2-trichloro-1,2,2-trifluoroethane	1.0	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U	1.0 U	7.7 U
acetone	1.0	9.7 J	23 J	9.2 J	22 J	12 J	29 J	15 J	36 J	1.0 U	2.4 U
methylene chloride	1.0	0.23 J	0.8 J	1.0 U	3.5 U	0.87 J	3.0 J	0.70 J	2.5 J	1.0 U	3.5 U
trans-1,2-dichloroethene	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
1,1-dichloroethane	1.0	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
vinyl acetate	1.0	1.0	3.6	1.2	4.3	1.0 U	3.6 U	1.7	6.1	1.0 U	3.6 U
1,1-dichloroethene	1.0	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U	1.0 U	4.0 U
2-butanone	1.0	1.1	3.3	0.73 J	2.2 J	1.2	3.6	1.3	3.9	1.0 U	3.0 U
chloroform	1.0	0.47 J	2.4 J	0.51 J	2.6 J	0.46 J	2.3 J	0.48 J	2.4 J	1.0 U	5.0 U
1,1,1-trichloroethane	1.0	1.0 U	5.6 U	1.0 U	5.6 U	0.46 J	2.6 J	0.34 J	1.9 J	1.0 U	5.6 U
carbon tetrachloride	1.0	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U	1.0 U	6.4 U
benzene	1.0	0.71 J	2.3 J	0.49 J	1.6 J	1.2	4.0	1.4	4.6	1.0 U	3.3 U
1,2-dichloroethane	1.0	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U	1.0 U	4.1 U
trichloroethene	1.0	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U	1.0 U	5.5 U
1,2-dichloropropane	1.0	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
bromodichloromethane	1.0	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U	1.0 U	6.8 U
cis-1,3-dichloropropene	1.0	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
4-methyl-2-pentanone	1.0	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
toluene	1.0	3.7	14	2.6	9.9	4.1	16	4.8	18	1.0 U	3.8 U
trans-1,3-dichloropropene	1.0	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U	1.0 U	4.6 U
1,1,2-trichloroethane	1.0	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U	1.0 U	5.6 U
2-hexanone	1.0	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U	1.0 U	4.2 U
dibromochloromethane	1.0	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U	1.0 U	8.7 U
1,2-dibromoethane	1.0	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U	1.0 U	7.8 U
chlorobenzene	1.0	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U	1.0 U	4.7 U
ethylbenzene	1.0	0.47 J	2.1 J	1.0 U	4.4 U	0.55 J	2.4 J	0.67 J	2.9 J	1.0 U	4.4 U
m,p-xylene	2.0	1.5 J	6.6 J	0.50 J	2.2 J	2.4	11	2.4	11	1.0 U	4.4 U
o-xylene	1.0	1.0 U	4.4 U	1.0 U	4.4 U	0.24 J	1.1 J	0.26 J	1.1 J	1.0 U	4.4 U
styrene	1.0	0.52 J	2.2 J	1.0 U	4.3 U	0.74 J	3.2 J	0.78 J	3.4 J	1.0 U	4.3 U
bromoform	1.0	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
1,1,2,2-tetrachloroethane	1.0	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U	1.0 U	7.0 U
benzyl chloride	1.0	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U	1.0 U	5.3 U
4-ethyltoluene	1.0	1.0 U	4.4 U	1.0 U	4.4 U	0.21 J	0.9 J	0.25 J	1.1 J	1.0 U	4.4 U
1,3,5-trimethylbenzene	1.0	1.0 U	5.0 U	1.0 U	5.0 U	0.21 J	1.1 J	0.22 J	1.1 J	1.0 U	5.0 U
1,2,4-trimethylbenzene	1.0	0.43 J	2.2 J	1.0 U	5.0 U	0.63 J	3.2 J	0.78 J	3.9 J	1.0 U	5.0 U
1,3-dichlorobenzene	1.0	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,4-dichlorobenzene	1.0	0.59 J	3.6 J	0.55 J	3.4 J	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,2-dichlorobenzene	1.0	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U	1.0 U	6.1 U
1,2,4-trichlorobenzene	1.0	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U	1.0 U	7.5 U
hexachlorobutadiene	1.0	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U	1.0 U	11 U
methyl tert-butyl ether (MTBE)	1.0	0.81 J	2.9 J	0.48 J	1.7 J	3.4	12	3.9	14	1.0 U	3.6 U

CRQL = Contract Required Quantitation Limit

ppbv = Parts per billion per unit volume

µg/m³ = Micrograms per cubic meter

U = Indicates the compound was analyzed for but not detected; the sample quantitation limit is provided.

J = Indicates the compound was analyzed for and detected; due to uncertainties identified during the data quality review, the value is estimated

SITE: CHILLUM PERC  
CASE No.: R31840  
LABORATORY: DATACHEM  
METHOD: EPA TO-15 MODIFIED

TABLE 2  
SUMMARY OF VOC DETECTED IN AIR SAMPLES  
COLLECTED IN APRIL 2004

SAMPLE ID: 991-AS-320  
LABORATORY ID: C2038  
SAMPLE LOCATION: Trip Blank  
COLLECTION DATE: 4/15/2004  
COLLECTION TIME: 10:00  
DILUTION FACTOR: 1  
RESULTS IN (UNITS): ppbv µg/m3

COMPOUND	CRQL		
tetrachloroethene	1.0	1.0 U	6.9 U
dichlorodifluoromethane	1.0	1.0 U	5.0 U
chloromethane	1.0	1.0 U	2.1 U
1,2-dichloro-1,1,2,2-tetrafluoroethane	1.0	1.0 U	7.1 U
vinyl chloride	1.0	1.0 U	2.6 U
bromomethane	1.0	1.0 U	4.0 U
chloroethane	1.0	1.0 U	2.7 U
trichlorofluoromethane	1.0	1.0 U	5.7 U
cis-1,2-dichloroethene	1.0	1.0 U	4.0 U
carbon disulfide	1.0	1.0 U	3.2 U
1,1,2-trichloro-1,2,2-trifluoroethane	1.0	1.0 U	7.7 U
acetone	1.0	0.29 J	0.7 J
methylene chloride	1.0	1.0 U	3.5 U
trans-1,2-dichloroethene	1.0	1.0 U	4.0 U
1,1-dichloroethane	1.0	1.0 U	4.1 U
vinyl acetate	1.0	0.30 J	1.1 J
1,1-dichloroethene	1.0	1.0 U	4.0 U
2-butanone	1.0	1.0 U	3.0 U
chloroform	1.0	1.0 U	5.0 U
1,1,1-trichloroethane	1.0	1.0 U	5.6 U
carbon tetrachloride	1.0	1.0 U	6.4 U
benzene	1.0	1.0 U	3.3 U
1,2-dichloroethane	1.0	1.0 U	4.1 U
trichloroethene	1.0	1.0 U	5.5 U
1,2-dichloropropane	1.0	1.0 U	4.7 U
bromodichloromethane	1.0	1.0 U	6.8 U
cis-1,3-dichloropropene	1.0	1.0 U	4.6 U
4-methyl-2-pentanone	1.0	1.0 U	4.2 U
toluene	1.0	1.0 U	3.8 U
trans-1,3-dichloropropene	1.0	1.0 U	4.6 U
1,1,2-trichloroethane	1.0	1.0 U	5.6 U
2-hexanone	1.0	1.0 U	4.2 U
dibromochloromethane	1.0	1.0 U	8.7 U
1,2-dibromoethane	1.0	1.0 U	7.8 U
chlorobenzene	1.0	1.0 U	4.7 U
ethylbenzene	1.0	1.0 U	4.4 U
m,p-xylene	2.0	1.0 U	4.4 U
o-xylene	1.0	1.0 U	4.4 U
styrene	1.0	1.0 U	4.3 U
bromoform	1.0	1.0 U	11 U
1,1,2,2-tetrachloroethane	1.0	1.0 U	7.0 U
benzyl chloride	1.0	1.0 U	5.3 U
4-ethyltoluene	1.0	1.0 U	4.4 U
1,3,5-trimethylbenzene	1.0	1.0 U	5.0 U
1,2,4-trimethylbenzene	1.0	1.0 U	5.0 U
1,3-dichlorobenzene	1.0	1.0 U	6.1 U
1,4-dichlorobenzene	1.0	1.0 U	6.1 U
1,2-dichlorobenzene	1.0	1.0 U	6.1 U
1,2,4-trichlorobenzene	1.0	1.0 U	7.5 U
hexachlorobutadiene	1.0	1.0 U	11 U
methyl tert-butyl ether (MTBE)	1.0	1.0 U	3.6 U

CRQL = Contract Required Quantitation Limit

ppbv = Parts per billion per unit volume

ug/m<sup>3</sup> = Micrograms per cubic meter

U = Indicates the compound was analyzed for but not detected; the sample quantitation limit is provided.

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