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DRAFT

Major Component Analysis by ASTM D1945 / D1946

Component	Detection Limit	101258-001	101258-002	101258-003	101258-004
		Raw Gas 01 4/12/10 1000 Scholl Canyon Landfill Mol %	Raw Gas 02 4/12/10 1003 Scholl Canyon Landfill Mol %	Raw Gas 03 4/12/10 1007 Scholl Canyon Landfill Mol %	Processed Gas 01 4/12/10 1022 Scholl Canyon Landfill Mol %
Helium	0.1%	BDL	BDL	BDL	BDL
Hydrogen	0.1%	0.1%	0.1%	0.1%	0.1%
Carbon Dioxide	0.03%	32.0%	32.1%	32.1%	31.2%
Oxygen/Argon	0.03%	4.34%	4.28%	4.30%	4.31%
Nitrogen	0.03%	25.3%	25.1%	25.2%	25.5%
Carbon Monoxide	0.03%	BDL	BDL	BDL	BDL
Methane	0.002%	38.3%	38.4%	38.3%	38.9%
Ethane	0.002%	BDL	BDL	BDL	BDL
Ethene	0.002%	BDL	BDL	BDL	BDL
Ethyne	0.002%	BDL	BDL	BDL	BDL
Propane	0.002%	0.002%	BDL	0.002%	0.002%
Propene	0.002%	BDL	BDL	BDL	BDL
Propadiene	0.002%	BDL	BDL	BDL	BDL
Propyne	0.002%	BDL	BDL	BDL	BDL
i-Butane	0.002%	BDL	BDL	BDL	BDL
n-Butane	0.002%	BDL	BDL	BDL	BDL
1-Butene	0.002%	BDL	BDL	BDL	BDL
i-Butene	0.002%	BDL	BDL	BDL	BDL
trans-2-Butene	0.002%	BDL	BDL	BDL	BDL
cis-2-Butene	0.002%	BDL	BDL	BDL	BDL
1,3-Butadiene	0.002%	BDL	BDL	BDL	BDL
i-Pentane	0.002%	BDL	BDL	BDL	BDL
n-Pentane	0.002%	BDL	BDL	BDL	BDL
neo-Pentane	0.002%	BDL	BDL	BDL	BDL
Pentenes	0.002%	BDL	BDL	BDL	BDL
Hexane Plus	0.0001%	0.0086%	0.0096%	0.0090%	0.0105%
Ammonia	0.001%	BDL	BDL	BDL	BDL
Total					
Calculated Real Gas Properties per ASTM D3588-98(03), 60°F, 14.73 psia					
Compressibility Factor [z] (Dry)		0.99781	0.99780	0.99781	0.99784
Compressibility Factor [z] (Sat.)		0.99749	0.99748	0.99748	0.99752
Relative Density (Specific Gravity) (Dry)		0.9934	0.9939	0.9941	0.9871
Gross HV (Dry) (Btu/ft ³)		389.4	390.4	389.7	395.5
Gross HV (Sat.) (Btu/ft ³)		382.8	383.8	383.1	388.7
Wobbe Index		390.7	391.7	390.9	398.0
Net HV (Dry) (Btu/ft ³)		350.6	351.6	350.9	356.1
Net HV (Sat.) (Btu/ft ³)		344.6	345.6	344.9	350.0
Real Gas Density (lbs/ft ³)		0.0760	0.0761	0.0761	0.0755

BDL = Below Detection Limit

The results within this report relate only to the items tested.

DRAFT

Major Component Analysis by ASTM D1945 / D1946

Component	Detection Limit	101258-005	101258-006
		Processed Gas 02 4/12/10 1024 Scholl Canyon Landfill Mol %	Processed Gas 03 4/12/10 1026 Scholl Canyon Landfill Mol %
Helium	0.1%	BDL	BDL
Hydrogen	0.1%	0.1%	0.1%
Carbon Dioxide	0.03%	32.3%	32.0%
Oxygen/Argon	0.03%	4.11%	4.26%
Nitrogen	0.03%	25.0%	25.5%
Carbon Monoxide	0.03%	BDL	BDL
Methane	0.002%	38.5%	38.2%
Ethane	0.002%	BDL	BDL
Ethene	0.002%	BDL	BDL
Ethyne	0.002%	BDL	BDL
Propane	0.002%	0.002%	0.002%
Propene	0.002%	BDL	BDL
Propadiene	0.002%	BDL	BDL
Propyne	0.002%	BDL	BDL
i-Butane	0.002%	BDL	BDL
n-Butane	0.002%	BDL	BDL
1-Butene	0.002%	BDL	BDL
i-Butene	0.002%	BDL	BDL
trans-2-Butene	0.002%	BDL	BDL
cis-2-Butene	0.002%	BDL	BDL
1,3-Butadiene	0.002%	BDL	BDL
i-Pentane	0.002%	BDL	BDL
n-Pentane	0.002%	BDL	BDL
neo-Pentane	0.002%	BDL	BDL
Pentenes	0.002%	BDL	BDL
Hexane Plus	0.0001%	0.0088%	0.0112%
Ammonia	0.001%	BDL	BDL

Total

Calculated Real Gas Properties	per ASTM D3588-98(03), 60°F, 14.73 psia	
Compressibility Factor [z] (Dry)	0.99779	0.99782
Compressibility Factor [z] (Sat.)	0.99747	0.99749
Relative Density (Specific Gravity) (Dry)	0.9943	0.9938
Gross HV (Dry) (Btu/ft ³)	391.4	388.7
Gross HV (Sat.) (Btu/ft ³)	384.7	382.0
Wobbe Index	392.5	389.9
Net HV (Dry) (Btu/ft ³)	352.4	350.0
Net HV (Sat.) (Btu/ft ³)	346.4	344.0
Real Gas Density (lbs/ft ³)	0.0761	0.0760

BDL = Below Detection Limit

The results within this report relate only to the items tested.



Extended Hydrocarbon Analysis by GC/FID

Component Name	101258-001	101258-002	101258-003	101258-004
	Raw Gas 01	Raw Gas 02	Raw Gas 03	Processed Gas 01
	4/12/10 1000	4/12/10 1003	4/12/10 1007	4/12/10 1022
	Scholl Canyon Landfill Mol %	Scholl Canyon Landfill Mol %	Scholl Canyon Landfill Mol %	Scholl Canyon Landfill Mol %
Cycloalkanes				
Cyclopentane	0.0001%	0.0001%	0.0001%	0.0001%
Methylcyclopentane	BDL	BDL	BDL	BDL
Cyclohexane	0.0001%	0.0001%	BDL	0.0001%
Methylcyclohexane	0.0001%	0.0001%	0.0001%	0.0001%
Aromatics				
Benzene	0.0001%	0.0001%	0.0001%	0.0001%
Toluene	0.0006%	0.0006%	0.0006%	0.0006%
Ethylbenzene	0.0002%	0.0002%	0.0002%	0.0002%
m,p-Xylene	0.0002%	0.0003%	0.0002%	0.0003%
Styrene	BDL	BDL	BDL	BDL
o-Xylene	0.0001%	0.0001%	0.0001%	0.0001%
C3 Benzenes	0.0003%	0.0003%	0.0003%	0.0004%
Naphthalene	BDL	BDL	BDL	BDL
C1 Naphthalenes	BDL	BDL	BDL	BDL
C2 Naphthalenes	BDL	BDL	BDL	BDL
Paraffins				
Hexanes	0.0015%	0.0016%	0.0015%	0.0013%
Heptanes	0.0009%	0.0009%	0.0010%	0.0009%
2,2,4-Trimethylpentane	BDL	BDL	BDL	BDL
Octanes	0.0007%	0.0007%	0.0008%	0.0008%
Nonanes	0.0007%	0.0008%	0.0007%	0.0009%
Decanes	0.0020%	0.0023%	0.0021%	0.0028%
Undecanes	0.0010%	0.0013%	0.0011%	0.0017%
Dodecanes	BDL	0.0001%	0.0001%	0.0001%
Tridecanes	BDL	BDL	BDL	BDL
Tetradecanes	BDL	BDL	BDL	BDL
Pentadecanes	BDL	BDL	BDL	BDL
Hexadecanes	BDL	BDL	BDL	BDL
Heptadecanes	BDL	BDL	BDL	BDL
Octadecanes	BDL	BDL	BDL	BDL
Nonadecanes	BDL	BDL	BDL	BDL
Eicosanes +	BDL	BDL	BDL	BDL
Total from Cyclopentane to Eicosanes +	0.0086%	0.0096%	0.0090%	0.0105%

Detection Limit = 0.0001 mol% (1 ppmv)

BDL = Below Detection Limit

The results within this report relate only to the items tested.



Extended Hydrocarbon Analysis by GC/FID

Component Name	101258-005	101258-006
	Processed Gas 02	Processed Gas 03
	4/12/10 1024	4/12/10 1026
	Scholl Canyon	Scholl Canyon
	Landfill	Landfill
	Mol %	Mol %
Cycloalkanes		
Cyclopentane	0.0001%	0.0001%
Methylcyclopentane	BDL	BDL
Cyclohexane	0.0001%	0.0001%
Methylcyclohexane	0.0001%	0.0001%
Aromatics		
Benzene	0.0001%	0.0001%
Toluene	0.0005%	0.0007%
Ethylbenzene	0.0002%	0.0002%
m,p-Xylene	0.0002%	0.0003%
Styrene	BDL	BDL
o-Xylene	0.0001%	0.0001%
C3 Benzenes	0.0003%	0.0004%
Naphthalene	BDL	BDL
C1 Naphthalenes	BDL	BDL
C2 Naphthalenes	BDL	BDL
Paraffins		
Hexanes	0.0013%	0.0015%
Heptanes	0.0009%	0.0010%
2,2,4-Trimethylpentane	BDL	BDL
Octanes	0.0007%	0.0009%
Nonanes	0.0007%	0.0009%
Decanes	0.0021%	0.0030%
Undecanes	0.0013%	0.0017%
Dodecanes	0.0001%	0.0001%
Tridecanes	BDL	BDL
Tetradecanes	BDL	BDL
Pentadecanes	BDL	BDL
Hexadecanes	BDL	BDL
Heptadecanes	BDL	BDL
Octadecanes	BDL	BDL
Nonadecanes	BDL	BDL
Eicosanes +	BDL	BDL
Total from Cyclopentane to Eicosanes +	0.0088%	0.0112%

Detection Limit = 0.0001 mol% (1 ppr)

BDL = Below Detection Limit

The results within this report relate only to the items tested.

DRAFT

Trace Sulfur Analysis by ASTM D6228

Component Name	101258-001	101258-002	101258-003	101258-004
	Raw Gas 01 4/12/10 1000 Scholl Canyon Landfill ppmv	Raw Gas 02 4/12/10 1003 Scholl Canyon Landfill ppmv	Raw Gas 03 4/12/10 1007 Scholl Canyon Landfill ppmv	Processed Gas 01 4/12/10 1022 Scholl Canyon Landfill ppmv
Hydrogen Sulfide	28.4	28.6	29.2	11.8
Sulfur Dioxide	BDL	BDL	BDL	BDL
Carbonyl Sulfide	0.17	0.15	0.17	0.15
Carbon Disulfide	BDL	BDL	BDL	0.03
Methyl Mercaptan	0.85	1.02	0.91	0.88
Ethyl Mercaptan	BDL	BDL	BDL	BDL
i-Propyl Mercaptan	BDL	BDL	BDL	BDL
n-Propyl Mercaptan	BDL	BDL	BDL	BDL
t-Butyl Mercaptan	BDL	BDL	BDL	BDL
Dimethyl Sulfide	1.58	1.72	1.49	1.55
Methyl Ethyl Sulfide	BDL	BDL	BDL	BDL
Diethyl Sulfide	BDL	BDL	BDL	BDL
Di-t-Butyl Sulfide	BDL	BDL	BDL	BDL
Dimethyl Disulfide	BDL	BDL	BDL	BDL
Methyl Ethyl Disulfide	BDL	BDL	BDL	BDL
Methyl i-Propyl Disulfide	BDL	BDL	BDL	BDL
Diethyl Disulfide	BDL	BDL	BDL	BDL
Methyl n-Propyl Disulfide	BDL	BDL	BDL	BDL
Methyl t-Butyl Disulfide	BDL	BDL	BDL	BDL
Ethyl i-Propyl Disulfide	BDL	BDL	BDL	BDL
Ethyl n-Propyl Disulfide	BDL	BDL	BDL	BDL
Ethyl t-Butyl Disulfide	BDL	BDL	BDL	BDL
Di-i-Propyl Disulfide	BDL	BDL	BDL	BDL
i-Propyl n-Propyl Disulfide	BDL	BDL	BDL	BDL
Di-n-Propyl Disulfide	BDL	BDL	BDL	BDL
i-Propyl t-Butyl Disulfide	BDL	BDL	BDL	BDL
n-Propyl t-Butyl Disulfide	BDL	BDL	BDL	BDL
Di-t-Butyl Disulfide	BDL	BDL	BDL	BDL
Dimethyl Trisulfide	BDL	BDL	BDL	BDL
Diethyl Trisulfide	BDL	BDL	BDL	BDL
Di-t-Butyl Trisulfide	BDL	BDL	BDL	BDL
Thiophene	BDL	0.05	BDL	BDL
C1-Thiophenes	BDL	BDL	BDL	BDL
C2-Thiophenes	BDL	BDL	BDL	BDL
C3-Thiophenes	BDL	BDL	BDL	BDL
Benzothiophene	BDL	BDL	BDL	BDL
C1-Benzothiophenes	BDL	BDL	BDL	BDL
C2-Benzothiophenes	BDL	BDL	BDL	BDL
Thiophane	BDL	BDL	BDL	BDL
Thiophenol	BDL	BDL	BDL	BDL

Unidentified Sulfur Compound

Calculated Sulfur Content

Total Sulfur				
As molar PPM S	31.0	31.5	31.8	14.4
As Grains/100 SCF @ 14.73 psia,	1.84	1.87	1.88	0.86

Detection Limit = 0.05 ppmv S

BDL = Below Detection Limit

The results within this report relate only to the items tested.



Trace Sulfur Analysis by ASTM D6228

Component Name	101258-005	101258-006
	Processed Gas 02	Processed Gas 03
	4/12/10 1024	4/12/10 1026
	Scholl Canyon	Scholl Canyon
	Landfill	Landfill
	ppmv	ppmv
Hydrogen Sulfide	12.1	11.4
Sulfur Dioxide	BDL	BDL
Carbonyl Sulfide	0.15	0.15
Carbon Disulfide	0.03	0.03
Methyl Mercaptan	0.87	0.87
Ethyl Mercaptan	BDL	BDL
i-Propyl Mercaptan	BDL	BDL
n-Propyl Mercaptan	BDL	BDL
t-Butyl Mercaptan	BDL	BDL
Dimethyl Sulfide	1.58	1.54
Methyl Ethyl Sulfide	BDL	BDL
Diethyl Sulfide	BDL	BDL
Di-t-Butyl Sulfide	BDL	BDL
Dimethyl Disulfide	BDL	BDL
Methyl Ethyl Disulfide	BDL	BDL
Methyl i-Propyl Disulfide	BDL	BDL
Diethyl Disulfide	BDL	BDL
Methyl n-Propyl Disulfide	BDL	BDL
Methyl t-Butyl Disulfide	BDL	BDL
Ethyl i-Propyl Disulfide	BDL	BDL
Ethyl n-Propyl Disulfide	BDL	BDL
Ethyl t-Butyl Disulfide	BDL	BDL
Di-i-Propyl Disulfide	BDL	BDL
i-Propyl n-Propyl Disulfide	BDL	BDL
Di-n-Propyl Disulfide	BDL	BDL
i-Propyl t-Butyl Disulfide	BDL	BDL
n-Propyl t-Butyl Disulfide	BDL	BDL
Di-t-Butyl Disulfide	BDL	BDL
Dimethyl Trisulfide	BDL	BDL
Diethyl Trisulfide	BDL	BDL
Di-t-Butyl Trisulfide	BDL	BDL
Thiophene	BDL	BDL
C1-Thiophenes	BDL	BDL
C2-Thiophenes	BDL	BDL
C3-Thiophenes	BDL	BDL
Benzothiophene	BDL	BDL
C1-Benzothiophenes	BDL	BDL
C2-Benzothiophenes	BDL	BDL
Thiophane	BDL	BDL
Thiophenol	BDL	BDL

Unidentified Sulfur Compound

Calculated Sulfur Content

Total Sulfur		
As molar PPM S	14.8	14.0
As Grains/100 SCF @ 14.73 psia,	0.87	0.83

Detection Limit = 0.05 ppmv S

BDL = Below Detection Limit

The results within this report relate only to the items tested.



TO-14 Halocarbon Analysis

Component Name	Detection Limit	101258-001	101258-002	101258-003	101258-004
		Raw Gas 01 4/12/10 1000 Scholl Canyon Landfill ppmv	Raw Gas 02 4/12/10 1003 Scholl Canyon Landfill ppmv	Raw Gas 03 4/12/10 1007 Scholl Canyon Landfill ppmv	Processed Gas 01 4/12/10 1022 Scholl Canyon Landfill ppmv
Dichlorodifluoromethane (CFC-12)	0.10	1.15	1.14	1.18	1.95
1,2-Dichlorotetrafluoroethane (CFC-114)	0.10	BDL	BDL	BDL	BDL
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC-113)	0.10	BDL	BDL	BDL	BDL
Trichlorofluoromethane (CFC-11)	0.10	BDL	BDL	BDL	0.10
Chloromethane	0.10	BDL	BDL	BDL	BDL
Dichloromethane (Methylene Chloride)	0.10	0.14	0.15	0.16	0.16
Chloroform	0.10	BDL	BDL	BDL	BDL
Carbon Tetrachloride	0.10	BDL	BDL	BDL	BDL
Chloroethane	0.10	0.47	0.45	0.47	0.47
1,1-Dichloroethane	0.10	BDL	BDL	BDL	BDL
1,2-Dichloroethane	0.10	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.10	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.10	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.10	BDL	BDL	BDL	BDL
Chloroethene (Vinyl Chloride)	0.10	0.18	0.17	0.19	0.22
1,1-Dichloroethene	0.10	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	0.10	0.38	0.39	0.40	0.40
Trichloroethene	0.10	0.11	0.11	0.12	0.13
Tetrachloroethene	0.10	0.15	0.18	0.16	0.19
1,2-Dichloropropane	0.10	BDL	BDL	BDL	BDL
3-Chloropropene	0.10	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	0.10	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	0.10	BDL	BDL	BDL	BDL
Bromomethane	0.10	BDL	BDL	BDL	BDL
1,2-Dibromoethane	0.10	BDL	BDL	BDL	BDL
Chlorobenzene	0.10	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.10	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.10	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.10	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	0.10	BDL	BDL	BDL	BDL
Hexachloro-1,3-butadiene	0.10	BDL	BDL	BDL	BDL
Total TO-14 Halocarbon Components:		2.58	2.59	2.68	3.62

BDL = Below Detection Limit

The results within this report relate only to the items tested.



TO-14 Halocarbon Analysis

Component Name	Detection Limit	101258-005	101258-006
		Processed Gas 02 4/12/10 1024 Scholl Canyon Landfill ppmv	Processed Gas 03 4/12/10 1026 Scholl Canyon Landfill ppmv
Dichlorodifluoromethane (CFC-12)	0.10	1.95	1.71
1,2-Dichlorotetrafluoroethane (CFC-114)	0.10	BDL	BDL
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC-113)	0.10	BDL	BDL
Trichlorofluoromethane (CFC-11)	0.10	0.10	0.10
Chloromethane	0.10	BDL	BDL
Dichloromethane (Methylene Chloride)	0.10	0.18	0.20
Chloroform	0.10	BDL	BDL
Carbon Tetrachloride	0.10	BDL	BDL
Chloroethane	0.10	0.49	0.47
1,1-Dichloroethane	0.10	BDL	BDL
1,2-Dichloroethane	0.10	BDL	BDL
1,1,1-Trichloroethane	0.10	BDL	BDL
1,1,2-Trichloroethane	0.10	BDL	BDL
1,1,2,2-Tetrachloroethane	0.10	BDL	BDL
Chloroethene (Vinyl Chloride)	0.10	0.24	0.23
1,1-Dichloroethene	0.10	BDL	BDL
cis-1,2-Dichloroethene	0.10	0.44	0.45
Trichloroethene	0.10	0.13	0.14
Tetrachloroethene	0.10	0.20	0.20
1,2-Dichloropropane	0.10	BDL	BDL
3-Chloropropene	0.10	BDL	BDL
cis-1,3-Dichloropropene	0.10	BDL	BDL
trans-1,3-Dichloropropene	0.10	BDL	BDL
Bromomethane	0.10	BDL	BDL
1,2-Dibromoethane	0.10	BDL	BDL
Chlorobenzene	0.10	BDL	BDL
1,2-Dichlorobenzene	0.10	BDL	BDL
1,3-Dichlorobenzene	0.10	BDL	BDL
1,4-Dichlorobenzene	0.10	BDL	BDL
1,2,4-Trichlorobenzene	0.10	BDL	BDL
Hexachloro-1,3-butadiene	0.10	BDL	BDL
Total TO-14 Halocarbon Components:		3.73	3.50

BDL = Below Detection Limit

The results within this report relate only to the items tested.



Total Organic Silicon, including Siloxanes

	Detection Limit mg/M ³	101258-001	101258-002	101258-003
		Raw Gas 01	Raw Gas 02	Raw Gas 03
		4/12/10 1000	4/12/10 1003	4/12/10 1007
		Scholl Canyon	Scholl Canyon	Scholl Canyon
		Landfill mg/M ³	Landfill mg/M ³	Landfill mg/M ³
1,1,3,3-Tetramethyldisiloxane	0.3	1.2	1.5	1.2
Pentamethyldisiloxane	0.3	BDL	BDL	BDL
Hexamethyldisilane	0.3	0.7	0.7	0.7
Hexamethyldisiloxane (L2, MM)	0.4	BDL	BDL	BDL
Octamethyltrisiloxane (L3, MDM)	0.4	0.4	BDL	BDL
Octamethylcyclotetrasiloxane (D4)	0.3	3.3	6.0	5.0
Decamethyltetrasiloxane (L4, MD2M)	0.4	BDL	BDL	BDL
Decamethylcyclopentasiloxane (D5)	0.3	BDL	BDL	BDL
Dodecamethylpentasiloxane (L5, MD3M)	0.3	BDL	BDL	BDL

BDL = Below Detection Limit

	Detection Limit mg/M ³	101258-004	101258-005	101258-006
		Processed Gas 01	Processed Gas 02	Processed Gas 03
		4/12/10 1022	4/12/10 1024	4/12/10 1026
		Scholl Canyon	Scholl Canyon	Scholl Canyon
		Landfill mg/M ³	Landfill mg/M ³	Landfill mg/M ³
1,1,3,3-Tetramethyldisiloxane	0.3	1.2	1.2	1.2
Pentamethyldisiloxane	0.3	BDL	BDL	BDL
Hexamethyldisilane	0.3	0.7	0.7	0.7
Hexamethyldisiloxane (L2, MM)	0.4	BDL	BDL	BDL
Octamethyltrisiloxane (L3, MDM)	0.4	BDL	BDL	BDL
Octamethylcyclotetrasiloxane (D4)	0.3	3.6	5.6	5.0
Decamethyltetrasiloxane (L4, MD2M)	0.4	BDL	BDL	BDL
Decamethylcyclopentasiloxane (D5)	0.3	BDL	BDL	BDL
Dodecamethylpentasiloxane (L5, MD3M)	0.3	BDL	BDL	BDL

BDL = Below Detection Limit



Volatile Metals Analysis

Component	Detection Limit, $\mu\text{g}/\text{M}^3$	101285-001	101285-002	101285-003	101285-004	101285-005
		Raw Gas 01	Raw Gas 02	Raw Gas 03	Processed Gas 01	Processed Gas 02
		04/12/10 1413-1424	04/12/10 1425-1439	04/12/10 1440-1456	04/12/10 1417-1508	04/12/10 1510-1555
		Scholl Canyon	Scholl Canyon	Scholl Canyon	Scholl Canyon	Scholl Canyon
		Landfill $\mu\text{g}/\text{M}^3$	Landfill $\mu\text{g}/\text{M}^3$	Landfill $\mu\text{g}/\text{M}^3$	Landfill $\mu\text{g}/\text{M}^3$	Landfill $\mu\text{g}/\text{M}^3$
Mercury	0.02	0.16	0.35	0.08	0.21	0.21

Component	Detection Limit, $\mu\text{g}/\text{M}^3$	101258-007	101258-008	101258-012	101258-009	101258-010
		Raw Gas 01	Raw Gas 02	Raw Gas 03	Processed Gas 01	Processed Gas 02
		04/12/10 0905-1305	04/12/10 1325-1630	04/13/10 0826-1134	04/12/10 0932-1327	04/12/10 1343-1648
		Scholl Canyon	Scholl Canyon	Scholl Canyon	Scholl Canyon	Scholl Canyon
		Landfill $\mu\text{g}/\text{M}^3$	Landfill $\mu\text{g}/\text{M}^3$	Landfill $\mu\text{g}/\text{M}^3$	Landfill $\mu\text{g}/\text{M}^3$	Landfill $\mu\text{g}/\text{M}^3$
Arsenic	30	30	19	14	13	10
Barium	30	BDL	BDL	BDL	BDL	BDL
Beryllium	30	BDL	BDL	BDL	BDL	BDL
Cadmium	30	BDL	BDL	BDL	BDL	BDL
Cobalt	30	BDL	BDL	BDL	BDL	BDL
Chromium	30	BDL	BDL	BDL	BDL	BDL
Copper *	30	378	150	BDL	156	24
Molybdenum	30	BDL	BDL	BDL	BDL	27
Nickel	30	BDL	BDL	BDL	BDL	BDL
Lead	30	BDL	BDL	BDL	BDL	BDL
Antimony	30	38	25	24	25	12
Selenium	30	BDL	BDL	BDL	BDL	BDL
Strontium	30	BDL	BDL	BDL	BDL	BDL
Thallium	30	BDL	BDL	BDL	BDL	BDL
Zinc *	30	231	38	BDL	75	2540

sample appears contaminated

Zinc and copper found in field blanks.

Some metals data reported at levels below the DL due to larger volumes sampled, or for informational purposes.



Volatile Metals Analysis

101285-006

Processed Gas 03

04/13/10 0845-0915

Scholl Canyon

Component	Detection Limit, $\mu\text{g}/\text{M}^3$	Landfill $\mu\text{g}/\text{M}^3$
Mercury	0.02	0.30

101258-013

Processed Gas 03

04/13/10 0836-1156

Scholl Canyon

Component	Detection Limit, $\mu\text{g}/\text{M}^3$	Landfill $\mu\text{g}/\text{M}^3$
Arsenic	30	11
Barium	30	BDL
Beryllium	30	BDL
Cadmium	30	BDL
Cobalt	30	BDL
Chromium	30	BDL
Copper *	30	BDL
Molybdenum	30	BDL
Nickel	30	BDL
Lead	30	BDL
Antimony	30	24
Selenium	30	BDL
Strontium	30	BDL
Thallium	30	BDL
Zinc *	30	BDL

Zinc and copper found in field blanks.

Some metals data reported at levels below the DL due to larger volumes sampled,



qPCR Biological Analysis

	101258-015 Raw Gas 01 4/12/10 0915-0946 Scholl Canyon Landfill # per 100 scf	101258-016 Raw Gas 02 4/12/10 1017-1052 Scholl Canyon Landfill # per 100 scf	101258-017 Raw Gas 03 4/12/10 1053-1128 Scholl Canyon Landfill # per 100 scf	101258-018 Processed Gas 01 4/12/10 0925-1001 Scholl Canyon Landfill # per 100 scf	101258-019 Processed Gas 02 4/12/10 1109-1143 Scholl Canyon Landfill # per 100 scf
qPCR Biological Analysis					
Total Bacteria	2.11E+05	ND	1.42E+05	9.83E+04	1.91E+05
Total acid-producing bacteria (APB)	5.52E+04	ND	2.34E+04	ND	6.86E+04
Total iron-oxidizing bacteria (IOB)	1.90E+04	ND	3.02E+04	ND	ND
Total sulfate-reducing bacteria (SRB)	8.07E+03	ND	6.38E+03	ND	6.14E+03
Live Bacteria					
Anaerobic	<163	<156	<163	<153	<116
Aerobic	<163	<156	<163	<153	<116
Total	<326	<312	<326	<306	<232
Spores					
Anaerobic	ND	ND	271	255	ND
Aerobic	ND	260	ND	255	ND
Total	ND	260	271	510	ND

ND=Not Detected



qPCR Biological Analysis

101258-020
 Processed Gas 03
 4/12/10 1153-1219
 Scholl Canyon
 Landfill
 # per 100 scf

qPCR Biological Analysis	
Total Bacteria	9.84E+04
Total acid-producing bacteria (APB)	ND
Total iron-oxidizing bacteria (IOB)	1.29E+04
Total sulfate-reducing bacteria (SRB)	ND
Live Bacteria	
Anaerobic	<131
Aerobic	<131
Total	<262
Spores	
Anaerobic	ND
Aerobic	ND
Total	ND

ND=Not Detected

DRAFT

Volatiles and Semi-Volatiles by EPA 3540 (performed by Meta Environmental)

Analyte	XA100412-01A/B		XA100412-02A/B		XA100413-03A/B		XA100412-01A/B	
	04/12/10 0831-1228		04/12/10 1244-1615		04/13/10 0800-1205		04/12/10 0845-1248	
	Raw Gas 01		Raw Gas 02		Raw Gas 03		Processed Gas 01	
	Scholl Canyon Landfill		Scholl Canyon Landfill		Scholl Canyon Landfill		Scholl Canyon Landfill	
	ppbv	EDL	ppbv	EDL	ppbv	EDL	ppbv	EDL
2,2-Dichloropropane		U		U		U		U
Chloroform	10.77	B	12.59	B	7.11	B	10.10	B
1,1,1-Trichloroethane		U		U		U		U
1,2-Dichloroethane		U		U		U		U
1,1-Dichloropropene		U		U		U		U
Benzene		U		U		U	0.62	J
Carbon Tetrachloride		U		U		U		U
1,2-Dichloropropane		U		U		U		U
Dibromomethane		U		U		U		U
Bromodichloromethane		U		U		U		U
Pyridine		U		U		U		U
cis-1,3-Dichloropropene		U		U		U		U
N-nitrosodimethylamine		U		U		U		U
Toluene	16.29		7.90		20.18		32.09	
trans-1,3-Dichloropropene		U		U		U		U
1,1,2-Trichloroethane		U		U		U	0.781	
1,3-Dichloropropane		U		U		U		U
Dibromochloromethane		U		U		U		U
1,2-Dibromoethane		U		U		U		U
Tetrachloroethene	0.94		0.49	J	0.99		1.50	
Chlorobenzene	1.75		1.52		1.75		2.59	
1,1,1,2-Tetrachloroethane		U		U		U		U
Ethylbenzene	37.35		33.97		36.08		50.64	
m/p-Xylenes	45.79		44.31		41.36		56.34	
Bromoform		U		U		U		U
Styrene	4.30		4.47		3.81		5.16	
o-Xylene	35.03		33.97		31.86		43.25	
1,1,2,2-Tetrachloroethane		U		U		U		U
1,2,3-Trichloropropane		U		U		U		U
Isopropylbenzene	10.64		11.83		9.67		13.42	
Bromobenzene		U		U		U		U
2-Chlorotoluene	3.33		3.73		2.85		3.70	
n-Propylbenzene	12.56		13.49		10.53		14.15	
4-Chlorotoluene		U		U		U		U
1,3,5-Trimethylbenzene	36.16		38.95		30.38		39.70	
tert-Butylbenzene	14.40		15.99		12.27		15.72	
1,2,4-Trimethylbenzene	105.5		115.0		87.79		114.4	
sec-Butylbenzene		U		U		U		U
Phenol		U		U		U		U
bis(2-Chloroethyl)ether		U		U		U		U
Aniline		U		U		U		U
2-Chlorophenol		U		U		U		U
1,3-Dichlorobenzene		U		U		U		U
1,4-Dichlorobenzene	73.91		76.35		58.98		83.05	
p-Isopropyltoluene	469.0	D	435.6	D	353.8	D	459.0	D
Benzyl Alcohol		U		U		U		U
2-Methylphenol (m-cresol)		U		U		U		U
1,2-Dichlorobenzene		U		U		U		U
3,4-Methylphenol (o,p-cresol)		U		U		U		U
bis(2-chloroisopropyl)ether		U		U		U		U
n-Butylbenzene	10.48			U	8.06		11.37	

The results within this report relate only to the items tested.



Volatiles and Semi-Volatiles by EPA 3540 (performed by Meta Environmental)

Analyte	XA100412-01A/B		XA100412-02A/B		XA100413-03A/B		XA100412-01A/B	
	04/12/10 0831-1228		04/12/10 1244-1615		04/13/10 0800-1205		04/12/10 0845-1248	
	Raw Gas 01		Raw Gas 02		Raw Gas 03		Processed Gas 01	
	Scholl Canyon Landfill		Scholl Canyon Landfill		Scholl Canyon Landfill		Scholl Canyon Landfill	
	ppbv	EDL	ppbv	EDL	ppbv	EDL	ppbv	EDL
N-nitroso-di-n-propylamine		U		U		U		U
Hexachloroethane		U		U		U		U
1,2-Dibromo-3-Chloropropane		U		U		U		U
Nitrobenzene		U		U		U		U
Isophorone		U		U		U		U
2-Nitrophenol		U		U		U		U
2,4-Dimethylphenol		U		U		U		U
bis(2-Chloroethoxy)methane		U		U		U		U
1,2,4-Trichlorobenzene	1.47		1.46		1.36		1.33	
Naphthalene	86.69		85.64		81.80		94.38	
2,4-Dichlorophenol		U		U		U		U
4-Chloroaniline		U		U		U		U
Hexachlorobutadiene		U		U		U		U
1,2,3-Trichlorobenzene	0.454	J	0.532	J	0.505	J	0.411	J
4-Chloro-3-methylphenol		U		U		U		U
2-Methylnaphthalene	12.49		13.06		12.71		10.81	
1-Methylnaphthalene	7.88		8.29		7.66		5.01	
Hexachlorocyclopentadiene		U		U		U		U
2,4,6-Trichlorophenol		U		U		U		U
2,4,5-Trichlorophenol		U		U		U		U
Diphenylamine		U		U		U		U
Azobenzene		U		U		U		U
2-Chloronaphthalene	0.512	J		U		U		U
2-Nitroaniline		U		U		U		U
1,4-Dinitrobenzene		U		U		U		U
Dimethylphthalate		U		U		U		U
1,3-Dinitrobenzene		U		U		U		U
Acenaphthylene		U		U		U		U
2,6-dinitrotoluene		U		U		U		U
1,2-Dinitrobenzene		U		U		U		U
3-Nitroaniline		U		U		U		U
Acenaphthene	2.41		2.32		2.12		0.56	J
2,4-Dinitrophenol		U		U		U		U
4-Nitrophenol		U		U		U		U
Dibenzofuran	0.90		1.00		0.84			U
2,4-dinitrotoluene		U		U		U		U
2,3,4,6-Tetrachlorophenol		U		U		U		U
2,3,5,6-Tetrachlorophenol		U		U		U		U
Diethylphthalate		U		U		U		U
4-Chlorophenyl-phenylether		U		U		U		U
Fluorene	0.60		0.66		0.54	J		U
4-Nitroaniline		U		U		U		U
4,6-Dinitro-2-methylphenol		U		U		U		U
n-Nitrosodiphenylamine		U		U		U		U
4-Bromophenyl phenyl ether		U		U		U		U
Hexachlorobenzene		U		U		U		U
Pentachlorophenol		U		U		U		U
Phenanthrene		U	0.31	J		U		U
Anthracene		U		U		U		U
Carbazole		U		U		U		U
Di-n-butylphthalate		U		U		U		U

The results within this report relate only to the items tested.



Volatiles and Semi-Volatiles by EPA 3540 (performed by Meta Environmental)

Analyte	XA100412-01A/B		XA100412-02A/B		XA100413-03A/B		XA100412-01A/B	
	04/12/10 0831-1228		04/12/10 1244-1615		04/13/10 0800-1205		04/12/10 0845-1248	
	Raw Gas 01		Raw Gas 02		Raw Gas 03		Processed Gas 01	
	Scholl Canyon Landfill		Scholl Canyon Landfill		Scholl Canyon Landfill		Scholl Canyon Landfill	
	ppbv	EDL	ppbv	EDL	ppbv	EDL	ppbv	EDL
Bis(2-ethylhexyl) adipate		U		U		U		U
Fluoranthene		U		U		U		U
Pyrene		U		U		U		U
Butylbenzylphthalate		BU		BU		BU		BU
Benz[a]anthracene		U		U		U		U
Chrysene		U		U		U		U
bis(2-Ethylhexyl)phthalate	0.20	JB		BU	0.21	JB	0.20	JB
Di-n-octylphthalate		U		U		U		U
Benzo[b]fluoranthene		U		U		U		U
Benzo[k]fluoranthene		U		U		U		U
Benzo[a]pyrene		U		U		U		U
Indeno[1,2,3-cd]pyrene		U		U		U		U
Dibenz[a,h]anthracene		U		U		U		U
Benzo[g,h,i]perylene		U		U		U		U

NA - Not applicable.

B - Analyte detected in the Blank.

J - Estimated value; detected between the RL and DL.

U - Analyte not detected above DL. Detection limits vary based on gas sample volume.

D - Analyte reported from a diluted extract.

E - Estimate, result detected above calibration range.

I - Concentration/Peak ID uncertain due to potential interference.

EDL - Estimated detection limit is 50% of RL.



Volatiles and Semi-Volatiles by EPA 3540 (performed by Meta Environmental)

Analyte	XA100412-02A/B		XA100413-03A/B	
	04/12/10 1300-1625		04/13/10 0820-1215	
	Processed Gas 02		Processed Gas 03	
	Scholl Canyon Landfill		Scholl Canyon Landfill	
	ppbv	EDL	ppbv	EDL
2,2-Dichloropropane		U		U
Chloroform	10.98	B	6.79	B
1,1,1-Trichloroethane		U		U
1,2-Dichloroethane		U		U
1,1-Dichloropropene		U		U
Benzene		U		U
Carbon Tetrachloride		U		U
1,2-Dichloropropane		U		U
Dibromomethane		U		U
Bromodichloromethane		U		U
Pyridine		U		U
cis-1,3-Dichloropropene		U		U
N-nitrosodimethylamine		U		U
Toluene	37.44		31.61	
trans-1,3-Dichloropropene		U		U
1,1,2-Trichloroethane		U		U
1,3-Dichloropropane		U		U
Dibromochloromethane		U		U
1,2-Dibromoethane		U		U
Tetrachloroethene	1.69		1.30	
Chlorobenzene	3.20		2.29	
1,1,1,2-Tetrachloroethane		U		U
Ethylbenzene	64.14		47.69	
m/p-Xylenes	72.37		51.69	
Bromoform		U		U
Styrene	6.75		4.80	
o-Xylene	55.49		39.88	
1,1,2,2-Tetrachloroethane		U	0.314	J
1,2,3-Trichloropropane		U		U
Isopropylbenzene	17.48		12.30	
Bromobenzene		U		U
2-Chlorotoluene	4.69		3.29	
n-Propylbenzene	19.57		12.82	
4-Chlorotoluene		U		U
1,3,5-Trimethylbenzene	52.19		34.48	
tert-Butylbenzene	20.70		13.69	
1,2,4-Trimethylbenzene	151.9		99.90	
sec-Butylbenzene		U		U
Phenol		U		U
bis(2-Chloroethyl)ether		U		U
Aniline		U		U
2-Chlorophenol		U		U
1,3-Dichlorobenzene		U		U
1,4-Dichlorobenzene	109.6		71.78	
p-Isopropyltoluene	565.8	D	405.6	D
Benzyl Alcohol		U		U
2-Methylphenol (m-cresol)		U		U
1,2-Dichlorobenzene		U		U
3,4-Methylphenol (o,p-cresol)		U		U
bis(2-chloroisopropyl)ether		U		U
n-Butylbenzene	14.09		9.85	

The results within this report relate only to the items tested.



Volatiles and Semi-Volatiles by EPA 3540 (performed by Meta Environmental)

Analyte	XA100412-02A/B		XA100413-03A/B	
	04/12/10 1300-1625		04/13/10 0820-1215	
	Processed Gas 02		Processed Gas 03	
	Scholl Canyon Landfill		Scholl Canyon Landfill	
	ppbv	EDL	ppbv	EDL
N-nitroso-di-n-propylamine		U		U
Hexachloroethane		U		U
1,2-Dibromo-3-Chloropropane		U		U
Nitrobenzene		U		U
Isophorone	3.01			U
2-Nitrophenol		U		U
2,4-Dimethylphenol		U		U
bis(2-Chloroethoxy)methane		U		U
1,2,4-Trichlorobenzene	1.59		1.40	
Naphthalene	114.1		95.78	
2,4-Dichlorophenol		U		U
4-Chloroaniline		U		U
Hexachlorobutadiene		U		U
1,2,3-Trichlorobenzene	0.48	J	0.42	J
4-Chloro-3-methylphenol		U		U
2-Methylnaphthalene	14.30		10.70	
1-Methylnaphthalene	6.81		5.66	
Hexachlorocyclopentadiene		U		U
2,4,6-Trichlorophenol		U		U
2,4,5-Trichlorophenol		U		U
Diphenylamine		U		U
Azobenzene		U		U
2-Chloronaphthalene		U		U
2-Nitroaniline		U		U
1,4-Dinitrobenzene		U		U
Dimethylphthalate		U		U
1,3-Dinitrobenzene		U		U
Acenaphthylene		U		U
2,6-dinitrotoluene		U		U
1,2-Dinitrobenzene		U		U
3-Nitroaniline		U		U
Acenaphthene	0.73	J	0.57	J
2,4-Dinitrophenol		U		U
4-Nitrophenol		U		U
Dibenzofuran		U		U
2,4-dinitrotoluene		U		U
2,3,4,6-Tetrachlorophenol		U		U
2,3,5,6-Tetrachlorophenol		U		U
Diethylphthalate		U		U
4-Chlorophenyl-phenylether		U		U
Fluorene		U		U
4-Nitroaniline		U		U
4,6-Dinitro-2-methylphenol		U		U
n-Nitrosodiphenylamine		U		U
4-Bromophenyl phenyl ether		U		U
Hexachlorobenzene		U		U
Pentachlorophenol		U		U
Phenanthrene		U		U
Anthracene		U		U
Carbazole		U		U
Di-n-butylphthalate		U		U

The results within this report relate only to the items tested.



Volatiles and Semi-Volatiles by EPA 3540 (performed by Meta Environmental)

Analyte	XA100412-02A/B 04/12/10 1300-1625 Processed Gas 02 Scholl Canyon Landfill		XA100413-03A/B 04/13/10 0820-1215 Processed Gas 03 Scholl Canyon Landfill	
	ppbv	EDL	ppbv	EDL
Bis(2-ethylhexyl) adipate	U		U	
Fluoranthene	U		U	
Pyrene	U		U	
Butylbenzylphthalate	BU		BU	
Benz[a]anthracene	U		U	
Chrysene	U		U	
bis(2-Ethylhexyl)phthalate	0.24	JB	0.19	JB
Di-n-octylphthalate	U		U	
Benzo[b]fluoranthene	U		U	
Benzo[k]fluoranthene	U		U	
Benzo[a]pyrene	U		U	
Indeno[1,2,3-cd]pyrene	U		U	
Dibenz[a,h]anthracene	U		U	
Benzo[g,h,i]perylene	U		U	

NA - Not applicable.

B - Analyte detected in the Blank.

J - Estimated value; detected between the RL and DL.

U - Analyte not detected above DL. Detection limits vary based on gas sample volume.

D - Analyte reported from a diluted extract.

E - Estimate, result detected above calibration range.

I - Concentration/Peak ID uncertain due to potential interference.

EDL - Estimated detection limit is 50% of RL.



PCB Cogeners by EPA 3540 (performed by Meta Environmental)

Analyte	XA100412-01A/B 04/12/10 0831-1228 Raw Gas 01 Scholl Canyon Landfill		XA100412-02A/B 04/12/10 1244-1615 Raw Gas 02 Scholl Canyon Landfill		XA100413-03A/B 04/13/10 0800-1205 Raw Gas 03 Scholl Canyon Landfill		XA100412-01A/B 04/12/10 0845-1248 Processed Gas 01 Scholl Canyon Landfill	
	ppbv	EDL	ppbv	EDL	ppbv	EDL	ppbv	EDL
	PCB 1	U	0.003	U	0.003	U	0.003	U
PCB 2	U	0.003	U	0.003	U	0.003	U	0.003
PCB 3	U	0.003	U	0.003	U	0.003	U	0.003
PCB 4/10	U	0.003	U	0.003	U	0.003	U	0.003
PCB 7/9	U	0.003	U	0.003	U	0.003	U	0.003
PCB 6	U	0.003	U	0.003	U	0.003	U	0.003
PCB 8	U	0.003	U	0.003	U	0.003	U	0.003
PCB 5	U	0.003	U	0.003	U	0.003	U	0.003
PCB 19	U	0.003	U	0.003	U	0.003	U	0.003
PCB 12/13	U	0.003	U	0.003	U	0.003	U	0.003
PCB 18	U	0.003	U	0.003	U	0.003	U	0.003
PCB 17	U	0.003	U	0.003	U	0.003	U	0.003
PCB 15	U	0.003	U	0.003	U	0.003	U	0.003
PCB 24/27	U	0.003	U	0.003	U	0.003	U	0.003
PCB 16/32	U	0.003	U	0.003	U	0.003	U	0.003
PCB 34	U	0.003	U	0.003	U	0.003	U	0.003
PCB 29	U	0.003	U	0.003	U	0.003	U	0.003
PCB 54	U	0.003	U	0.003	U	0.003	U	0.003
PCB 26	U	0.003	U	0.003	U	0.003	U	0.003
PCB 25	U	0.003	U	0.003	U	0.003	U	0.003
PCB 31	U	0.003	U	0.003	U	0.003	U	0.003
PCB 50	U	0.003	U	0.003	U	0.003	U	0.003
PCB 28	U	0.003	U	0.003	U	0.003	U	0.003
PCB 20/33	U	0.003	U	0.003	U	0.003	U	0.003
PCB 53	U	0.003	U	0.003	U	0.003	U	0.003
PCB 51	U	0.003	U	0.003	U	0.003	U	0.003
PCB 22	U	0.003	U	0.003	U	0.003	U	0.003
PCB 45	U	0.003	U	0.003	U	0.003	U	0.003
PCB 46	U	0.003	U	0.003	U	0.003	U	0.003
PCB 69	U	0.003	U	0.003	U	0.003	U	0.003
PCB 52/73	U	0.003	U	0.003	U	0.003	U	0.003
PCB 49	U	0.003	U	0.003	U	0.003	U	0.003
PCB 47/48/75	U	0.003	U	0.003	U	0.003	U	0.003
PCB 104	U	0.003	U	0.003	U	0.003	U	0.003
PCB 35	U	0.003	U	0.003	U	0.003	U	0.003
PCB 44	U	0.003	U	0.003	U	0.003	U	0.003
PCB 59	U	0.003	U	0.003	U	0.003	U	0.003
PCB 37	U	0.003	U	0.003	U	0.003	U	0.003
PCB 42	U	0.003	U	0.003	U	0.003	U	0.003
PCB 71	U	0.003	U	0.003	U	0.003	U	0.003
PCB 41/64	U	0.003	U	0.003	U	0.003	U	0.003
PCB 40	U	0.003	U	0.003	U	0.003	U	0.003
PCB 103	U	0.003	U	0.003	U	0.003	U	0.003
PCB 67	U	0.003	U	0.003	U	0.003	U	0.003
PCB 100	U	0.003	U	0.003	U	0.003	U	0.003
PCB 63	U	0.003	U	0.003	U	0.003	U	0.003
PCB 74	U	0.003	U	0.003	U	0.003	U	0.003
PCB 70	U	0.003	U	0.003	U	0.003	U	0.003
PCB 66	U	0.003	U	0.003	U	0.003	U	0.003
PCB 93/95	U	0.003	U	0.003	U	0.003	U	0.003

The results within this report relate only to the items tested.



PCB Cogeners by EPA 3540 (performed by Meta Environmental)

Analyte	XA100412-01A/B 04/12/10 0831-1228 Raw Gas 01 Scholl Canyon Landfill		XA100412-02A/B 04/12/10 1244-1615 Raw Gas 02 Scholl Canyon Landfill		XA100413-03A/B 04/13/10 0800-1205 Raw Gas 03 Scholl Canyon Landfill		XA100412-01A/B 04/12/10 0845-1248 Processed Gas 01 Scholl Canyon Landfill	
	ppbv	EDL	ppbv	EDL	ppbv	EDL	ppbv	EDL
	PCB 91	U	0.003	U	0.003	U	0.003	U
PCB 56/60	U	0.003	U	0.003	U	0.003	U	0.003
PCB 92	U	0.003	U	0.003	U	0.003	U	0.003
PCB 84	U	0.003	U	0.003	U	0.003	U	0.003
PCB 90/101	U	0.003	U	0.003	U	0.003	U	0.003
PCB 99	U	0.003	U	0.003	U	0.003	U	0.003
PCB 119	U	0.003	U	0.003	U	0.003	U	0.003
PCB 83	U	0.003	U	0.003	U	0.003	U	0.003
PCB 97	U	0.003	U	0.003	U	0.003	U	0.003
PCB 117	U	0.003	U	0.003	U	0.003	U	0.003
PCB 81	U	0.003	U	0.003	U	0.003	U	0.003
PCB 87/115	U	0.003	U	0.003	U	0.003	U	0.003
PCB 85	U	0.003	U	0.003	U	0.003	U	0.003
PCB 136	U	0.003	U	0.003	U	0.003	U	0.003
PCB 77	U	0.003	U	0.003	U	0.003	U	0.003
PCB 110	U	0.003	U	0.003	U	0.003	U	0.003
PCB 154	U	0.003	U	0.003	U	0.003	U	0.003
PCB 82	U	0.003	U	0.003	U	0.003	U	0.003
PCB 151	U	0.003	U	0.003	U	0.003	U	0.003
PCB 135/144	U	0.003	U	0.003	U	0.003	U	0.003
PCB 124	U	0.003	U	0.003	U	0.003	U	0.003
PCB 147	U	0.003	U	0.003	U	0.003	U	0.003
PCB 107	U	0.003	U	0.003	U	0.003	U	0.003
PCB 123	U	0.003	U	0.003	U	0.003	U	0.003
PCB 149	U	0.003	U	0.003	U	0.003	U	0.003
PCB 118	U	0.003	U	0.003	U	0.003	U	0.003
PCB 134	U	0.003	U	0.003	U	0.003	U	0.003
PCB 114	U	0.003	U	0.003	U	0.003	U	0.003
PCB 131	U	0.003	U	0.003	U	0.003	U	0.003
PCB 122	U	0.003	U	0.003	U	0.003	U	0.003
PCB 165	U	0.003	U	0.003	U	0.003	U	0.003
PCB 146	U	0.003	U	0.003	U	0.003	U	0.003
PCB 188	U	0.003	U	0.003	U	0.003	U	0.003
PCB 153	U	0.003	U	0.003	U	0.003	U	0.003
PCB 132	U	0.003	U	0.003	U	0.003	U	0.003
PCB 105	U	0.003	U	0.003	U	0.003	U	0.003
PCB 141	U	0.003	U	0.003	U	0.003	U	0.003
PCB 179	U	0.003	U	0.003	U	0.003	U	0.003
PCB 137	U	0.003	U	0.003	U	0.003	U	0.003
PCB 176	U	0.003	U	0.003	U	0.003	U	0.003
PCB 130	U	0.003	U	0.003	U	0.003	U	0.003
PCB 138/163/164	U	0.003	U	0.003	U	0.003	U	0.003
PCB 158	U	0.003	U	0.003	U	0.003	U	0.003
PCB 129	U	0.003	U	0.003	U	0.003	U	0.003
PCB 178	U	0.003	U	0.003	U	0.003	U	0.003
PCB 175	U	0.003	U	0.003	U	0.003	U	0.003
PCB 187	U	0.003	U	0.003	U	0.003	U	0.003
PCB 183	U	0.003	U	0.003	U	0.003	U	0.003
PCB 128	U	0.003	U	0.003	U	0.003	U	0.003
PCB 167	U	0.003	U	0.003	U	0.003	U	0.003

The results within this report relate only to the items tested.



PCB Cogeners by EPA 3540 (performed by Meta Environmental)

Analyte	XA100412-01A/B 04/12/10 0831-1228 Raw Gas 01 Scholl Canyon Landfill		XA100412-02A/B 04/12/10 1244-1615 Raw Gas 02 Scholl Canyon Landfill		XA100413-03A/B 04/13/10 0800-1205 Raw Gas 03 Scholl Canyon Landfill		XA100412-01A/B 04/12/10 0845-1248 Processed Gas 01 Scholl Canyon Landfill	
	ppbv	EDL	ppbv	EDL	ppbv	EDL	ppbv	EDL
	PCB 185	U	0.003	U	0.003	U	0.003	U
PCB 174	U	0.003	U	0.003	U	0.003	U	0.003
PCB 177	U	0.003	U	0.003	U	0.003	U	0.003
PCB 202	U	0.003	U	0.003	U	0.003	U	0.003
PCB 171	U	0.003	U	0.003	U	0.003	U	0.003
PCB 156	U	0.003	U	0.003	U	0.003	U	0.003
PCB 173	U	0.003	U	0.003	U	0.003	U	0.003
PCB 157	U	0.003	U	0.003	U	0.003	U	0.003
PCB 201	U	0.003	U	0.003	U	0.003	U	0.003
PCB 172	U	0.003	U	0.003	U	0.003	U	0.003
PCB 197	U	0.003	U	0.003	U	0.003	U	0.003
PCB 180	U	0.003	U	0.003	U	0.003	U	0.003
PCB 193	U	0.003	U	0.003	U	0.003	U	0.003
PCB 191	U	0.003	U	0.003	U	0.003	U	0.003
PCB 200	U	0.003	U	0.003	U	0.003	U	0.003
PCB 170	U	0.003	U	0.003	U	0.003	U	0.003
PCB 190	U	0.003	U	0.003	U	0.003	U	0.003
PCB 199	U	0.003	U	0.003	U	0.003	U	0.003
PCB 196/203	U	0.003	U	0.003	U	0.003	U	0.003
PCB 189	U	0.003	U	0.003	U	0.003	U	0.003
PCB 208	U	0.003	U	0.003	U	0.003	U	0.003
PCB 195	U	0.003	U	0.003	U	0.003	U	0.003
PCB 207	U	0.003	U	0.003	U	0.003	U	0.003
PCB 194	U	0.003	U	0.003	U	0.003	U	0.003
PCB 205	U	0.003	U	0.003	U	0.003	U	0.003
PCB 206	U	0.003	U	0.003	U	0.003	U	0.003
PCB 209	U	0.003	U	0.003	U	0.003	U	0.003

- NA - Not applicable.
- B - Analyte detected in the Blank.
- J - Estimated value; detected between the RL and DL.
- U - Analyte not detected above DL. Detection limits vary based on gas sample volume.
- D - Analyte reported from a diluted extract.
- E - Estimate, result detected above calibration range.
- I - Concentration/Peak ID uncertain due to potential interference.
- EDL - Estimated detection limit is 50% of RL.

The results within this report relate only to the items tested.



PCB Cogeners by EPA 3540 (performed by Meta Environmental)

Analyte	XA100412-02A/B 04/12/10 1300-1625 Processed Gas 02 Scholl Canyon Landfill		XA100413-03A/B 04/13/10 0820-1215 Processed Gas 03 Scholl Canyon Landfill	
	ppbv	EDL	ppbv	EDL
PCB 1	U	0.003	U	0.003
PCB 2	U	0.003	U	0.003
PCB 3	U	0.003	U	0.003
PCB 4/10	U	0.003	U	0.003
PCB 7/9	U	0.003	U	0.003
PCB 6	U	0.003	U	0.003
PCB 8	U	0.003	U	0.003
PCB 5	U	0.003	U	0.003
PCB 19	U	0.003	U	0.003
PCB 12/13	U	0.003	U	0.003
PCB 18	U	0.003	U	0.003
PCB 17	U	0.003	U	0.003
PCB 15	U	0.003	U	0.003
PCB 24/27	U	0.003	U	0.003
PCB 16/32	U	0.003	U	0.003
PCB 34	U	0.003	U	0.003
PCB 29	U	0.003	U	0.003
PCB 54	U	0.003	U	0.003
PCB 26	U	0.003	U	0.003
PCB 25	U	0.003	U	0.003
PCB 31	U	0.003	U	0.003
PCB 50	U	0.003	U	0.003
PCB 28	U	0.003	U	0.003
PCB 20/33	U	0.003	U	0.003
PCB 53	U	0.003	U	0.003
PCB 51	U	0.003	U	0.003
PCB 22	U	0.003	U	0.003
PCB 45	U	0.003	U	0.003
PCB 46	U	0.003	U	0.003
PCB 69	U	0.003	U	0.003
PCB 52/73	U	0.003	U	0.003
PCB 49	U	0.003	U	0.003
PCB 47/48/75	U	0.003	U	0.003
PCB 104	U	0.003	U	0.003
PCB 35	U	0.003	U	0.003
PCB 44	U	0.003	U	0.003
PCB 59	U	0.003	U	0.003
PCB 37	U	0.003	U	0.003
PCB 42	U	0.003	U	0.003
PCB 71	U	0.003	U	0.003
PCB 41/64	U	0.003	U	0.003
PCB 40	U	0.003	U	0.003
PCB 103	U	0.003	U	0.003
PCB 67	U	0.003	U	0.003
PCB 100	U	0.003	U	0.003
PCB 63	U	0.003	U	0.003
PCB 74	U	0.003	U	0.003
PCB 70	U	0.003	U	0.003
PCB 66	U	0.003	U	0.003
PCB 93/95	U	0.003	U	0.003

The results within this report relate only to the items tested.

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PCB Cogeners by EPA 3540 (performed by Meta Environmental)

Analyte	XA100412-02A/B 04/12/10 1300-1625 Processed Gas 02 Scholl Canyon Landfill		XA100413-03A/B 04/13/10 0820-1215 Processed Gas 03 Scholl Canyon Landfill	
	ppbv	EDL	ppbv	EDL
PCB 91	U	0.003	U	0.003
PCB 56/60	U	0.003	U	0.003
PCB 92	U	0.003	U	0.003
PCB 84	U	0.003	U	0.003
PCB 90/101	U	0.003	U	0.003
PCB 99	U	0.003	U	0.003
PCB 119	U	0.003	U	0.003
PCB 83	U	0.003	U	0.003
PCB 97	U	0.003	U	0.003
PCB 117	U	0.003	U	0.003
PCB 81	U	0.003	U	0.003
PCB 87/115	U	0.003	U	0.003
PCB 85	U	0.003	U	0.003
PCB 136	U	0.003	U	0.003
PCB 77	U	0.003	U	0.003
PCB 110	U	0.003	U	0.003
PCB 154	U	0.003	U	0.003
PCB 82	U	0.003	U	0.003
PCB 151	U	0.003	U	0.003
PCB 135/144	U	0.003	U	0.003
PCB 124	U	0.003	U	0.003
PCB 147	U	0.003	U	0.003
PCB 107	U	0.003	U	0.003
PCB 123	U	0.003	U	0.003
PCB 149	U	0.003	U	0.003
PCB 118	U	0.003	U	0.003
PCB 134	U	0.003	U	0.003
PCB 114	U	0.003	U	0.003
PCB 131	U	0.003	U	0.003
PCB 122	U	0.003	U	0.003
PCB 165	U	0.003	U	0.003
PCB 146	U	0.003	U	0.003
PCB 188	U	0.003	U	0.003
PCB 153	U	0.003	U	0.003
PCB 132	U	0.003	U	0.003
PCB 105	U	0.003	U	0.003
PCB 141	U	0.003	U	0.003
PCB 179	U	0.003	U	0.003
PCB 137	U	0.003	U	0.003
PCB 176	U	0.003	U	0.003
PCB 130	U	0.003	U	0.003
PCB 138/163/164	U	0.003	U	0.003
PCB 158	U	0.003	U	0.003
PCB 129	U	0.003	U	0.003
PCB 178	U	0.003	U	0.003
PCB 175	U	0.003	U	0.003
PCB 187	U	0.003	U	0.003
PCB 183	U	0.003	U	0.003
PCB 128	U	0.003	U	0.003
PCB 167	U	0.003	U	0.003

The results within this report relate only to the items tested.

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PCB Cogeners by EPA 3540 (performed by Meta Environmental)

Analyte	XA100412-02A/B 04/12/10 1300-1625 Processed Gas 02 Scholl Canyon Landfill		XA100413-03A/B 04/13/10 0820-1215 Processed Gas 03 Scholl Canyon Landfill	
	ppbv	EDL	ppbv	EDL
PCB 185	U	0.003	U	0.003
PCB 174	U	0.003	U	0.003
PCB 177	U	0.003	U	0.003
PCB 202	U	0.003	U	0.003
PCB 171	U	0.003	U	0.003
PCB 156	U	0.003	U	0.003
PCB 173	U	0.003	U	0.003
PCB 157	U	0.003	U	0.003
PCB 201	U	0.003	U	0.003
PCB 172	U	0.003	U	0.003
PCB 197	U	0.003	U	0.003
PCB 180	U	0.003	U	0.003
PCB 193	U	0.003	U	0.003
PCB 191	U	0.003	U	0.003
PCB 200	U	0.003	U	0.003
PCB 170	U	0.003	U	0.003
PCB 190	U	0.003	U	0.003
PCB 199	U	0.003	U	0.003
PCB 196/203	U	0.003	U	0.003
PCB 189	U	0.003	U	0.003
PCB 208	U	0.003	U	0.003
PCB 195	U	0.003	U	0.003
PCB 207	U	0.003	U	0.003
PCB 194	U	0.003	U	0.003
PCB 205	U	0.003	U	0.003
PCB 206	U	0.003	U	0.003
PCB 209	U	0.003	U	0.003

NA - Not applicable.

B - Analyte detected in the Blank.

J - Estimated value; detected between the RL and DL.

U - Analyte not detected above DL. Detection limits vary based on gas sample volume.

D - Analyte reported from a diluted extract.

E - Estimate, result detected above calibration range.

I - Concentration/Peak ID uncertain due to potential interference.

EDL - Estimated detection limit is 50% of RL.

The results within this report relate only to the items tested.

DRAFT

Organochlorine Pesticides by EPA 3540 (performed by Meta Environmental)

Analyte	XA100412-01A/B 04/12/10 0831-1228 Raw Gas 01 Scholl Canyon Landfill		XA100412-02A/B 04/12/10 1244-1615 Raw Gas 02 Scholl Canyon Landfill		XA100413-03A/B 04/13/10 0800-1205 Raw Gas 03 Scholl Canyon Landfill		XA100412-01A/B 04/12/10 0845-1248 Processed Gas 01 Scholl Canyon Landfill	
	ppbv	EDL	ppbv	EDL	ppbv	EDL	ppbv	EDL
	a-BHC	U	0.0003	U	0.0003	U	0.0003	U
b-BHC	U	0.0003	U	0.0003	U	0.0003	U	0.0003
g-BHC	U	0.0003	U	0.0003	U	0.0003	U	0.0003
d-BHC	U	0.0003	U	0.0003	U	0.0003	U	0.0003
Heptachlor	U	0.0003	U	0.0003	U	0.0003	U	0.0003
Aldrin	U	0.0003	U	0.0003	U	0.0003	U	0.0003
Heptachlor epoxide	U	0.0003	U	0.0003	U	0.0003	U	0.0003
g-Chlordane	U	0.0003	U	0.0003	U	0.0003	U	0.0003
Endosulfan I	U	0.0003	U	0.0003	U	0.0003	U	0.0003
a-Chlordane	U	0.0003	U	0.0003	U	0.0003	U	0.0003
Dieldrin	U	0.0003	U	0.0003	U	0.0003	U	0.0003
4,4'-DDE	U	0.0003	U	0.0003	U	0.0003	U	0.0003
Endrin	U	0.0003	U	0.0003	U	0.0003	U	0.0003
Endosulfan II	U	0.0003	U	0.0003	U	0.0003	U	0.0003
4,4'-DDD	U	0.0003	U	0.0003	U	0.0003	U	0.0003
Endrin aldehyde	U	0.0003	U	0.0003	U	0.0003	U	0.0003
Endosulfan sulfate	U	0.0003	U	0.0003	U	0.0003	U	0.0003
4,4'-DDT	U	0.0003	U	0.0003	U	0.0003	U	0.0003
Endrin ketone	U	0.0003	U	0.0003	U	0.0003	U	0.0003
Methoxychlor	U	0.0003	U	0.0003	U	0.0003	U	0.0003
Toxaphene	U	0.0003	U	0.0003	U	0.0003	U	0.0003
Technical Chlordane	U	0.0003	U	0.0003	U	0.0003	U	0.0003

NA - Not applicable.

B - Analyte detected in the Blank.

J - Estimated value; detected between the RL and DL.

U - Analyte not detected above DL. Detection limits vary based on gas sample volume.

D - Analyte reported from a diluted extract.

E - Estimate, result detected above calibration range.

I - Concentration/Peak ID uncertain due to potential interference.

EDL - Estimated detection limit is 50% of RL.

The results within this report relate only to the items tested.

DRAFT

Organochlorine Pesticides by EPA 3540 (performed by Meta Environmental)

Analyte	XA100412-02A/B 04/12/10 1300-1625 Processed Gas 02 Scholl Canyon Landfill		XA100413-03A/B 04/13/10 0820-1215 Processed Gas 03 Scholl Canyon Landfill	
	ppbv	EDL	ppbv	EDL
a-BHC	U	0.0003	U	0.0003
b-BHC	U	0.0003	U	0.0003
g-BHC	U	0.0003	U	0.0003
d-BHC	U	0.0003	U	0.0003
Heptachlor	U	0.0003	U	0.0003
Aldrin	U	0.0003	U	0.0003
Heptachlor epoxide	U	0.0003	U	0.0003
g-Chlordane	U	0.0003	U	0.0003
Endosulfan I	U	0.0003	U	0.0003
a-Chlordane	U	0.0003	U	0.0003
Dieldrin	U	0.0003	U	0.0003
4,4'-DDE	U	0.0003	U	0.0003
Endrin	U	0.0003	U	0.0003
Endosulfan II	U	0.0003	U	0.0003
4,4'-DDD	U	0.0003	U	0.0003
Endrin aldehyde	U	0.0003	U	0.0003
Endosulfan sulfate	U	0.0003	U	0.0003
4,4'-DDT	U	0.0003	U	0.0003
Endrin ketone	U	0.0003	U	0.0003
Methoxychlor	U	0.0003	U	0.0003
Toxaphene	U	0.0003	U	0.0003
Technical Chlordane	U	0.0003	U	0.0003

NA - Not applicable.

B - Analyte detected in the Blank.

J - Estimated value; detected between the RL and DL.

U - Analyte not detected above DL. Detection limits vary based on gas sample volume.

D - Analyte reported from a diluted extract.

E - Estimate, result detected above calibration range.

I - Concentration/Peak ID uncertain due to potential interference.

EDL - Estimated detection limit is 50% of RL.

The results within this report relate only to the items tested.

DRAFT

Aldehyde and Ketone Compounds by EPA 3540 (performed by Meta Environmental)

Analyte	DN100412-01A/B 04/12/10 0831-1228 Raw Gas 01 Scholl Canyon Landfill			DN100412-02A/B 04/12/10 1244-1615 Raw Gas 02 Scholl Canyon Landfill			DN100413-03A/B 04/13/10 0800-1205 Raw Gas 03 Scholl Canyon Landfill		
	ppbv		EDL	ppbv		EDL	ppbv		EDL
	Formaldehyde	0.508	B	0.113	0.589	B	0.133	1.28	B
Acetaldehyde	56.4	DB	0.106	57.9	DB	0.125	62.0	DB	0.103
Acetone	40.9	DB	0.100	52.1	DB	0.118	19.9	B	0.097
Acrolein	30.8		0.101	16.9		0.119	27.9		0.098
Propionaldehyde	6.94		0.100	8.2		0.118	7.9		0.097
Crotonaldehyde		U	0.095		U	0.112		U	0.092
2-Butanone	63.7		0.094	43.5	D	0.111		U	0.091
Methacrolein		U	0.095		U	0.112	21.2		0.092
Butanal	11.5		0.094		U	0.111		U	0.091
Benzaldehyde		U	0.0830		U	0.098		U	0.081
Pentanal		U	0.0892		U	0.105		U	0.087
p-Tolualdehyde	2.54		0.0791	4.06		0.093	3.06		0.0768
Hexanal		U	0.0847		U	0.100		U	0.082

Analyte	DN100412-01A/B 04/12/10 0845-1248 Processed Gas 01 Scholl Canyon Landfill			DN100412-02A/B 04/12/10 1300-1625 Processed Gas 02 Scholl Canyon Landfill			DN100413-03A/B 04/13/10 0820-1215 Processed Gas 03 Scholl Canyon Landfill		
	ppbv		EDL	ppbv		EDL	ppbv		EDL
	Formaldehyde	1.13	B	0.111	3.79	B	0.223	1.48	B
Acetaldehyde	41.7	B	0.104	86.35	DB	0.209	34.7	B	0.086
Acetone	44.7	DB	0.098	110	DB	0.196	52.1	DB	0.081
Acrolein	13.9		0.099	33.53		0.198	14.7		0.082
Propionaldehyde	7.63		0.098	16.4		0.196	7.09		0.081
Crotonaldehyde		U	0.093		U	0.187		U	0.078
2-Butanone		U	0.092		U	0.186		U	0.077
Methacrolein	35.2		0.093	75.7	D	0.187	39.9	D	0.078
Butanal		U	0.092		U	0.186	19.5		0.077
Benzaldehyde		U	0.081		U	0.164		U	0.0678
Pentanal	53.1		0.088		U	0.176		U	0.0729
p-Tolualdehyde	3.06		0.0776	5.26		0.156	3.11		0.0646
Hexanal		U	0.083		U	0.167	5.03		0.0692

NA - Not applicable.

B - Analyte detected in the Blank.

J - Estimated value; detected between the RL and DL.

U - Analyte not detected above DL. Detection limits vary based on gas sample volume.

D - Analyte reported from a diluted extract.

E - Estimate, result detected above calibration range.

I - Concentration/Peak ID uncertain due to potential interference.

EDL - Estimated detection limit is 50% of RL.

The results within this report relate only to the items tested.