

# HCV Report Of Analysis DRAFT

Client: MTA

HCV Project #: 1010622

Project: ESA-CH054

Sample ID: CH054-MH16-01062011A/B  
 Lab#: AC56665-001  
 Matrix: Soil

Collection Date: 1/6/2011  
 Receipt Date: 1/6/2011

**% Solids SM2540G**

**DRAFT**

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

**Mercury (Soil/Waste) 7471A**

**DRAFT**

Analyte	DF	Units	RL	Result
Mercury	167	mg/kg	0.097	ND

**Organochlorine Pesticides 8081**

**DRAFT**

Analyte	DF	Units	RL	Result
Aldrin	1	mg/kg	0.0058	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane	1	mg/kg	0.029	ND
delta-BHC	1	mg/kg	0.0058	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0058	ND
Endosulfan II	1	mg/kg	0.0058	ND
Endosulfan Sulfate	1	mg/kg	0.0058	ND
Endrin	1	mg/kg	0.0058	ND
Endrin Aldehyde	1	mg/kg	0.0058	ND
Endrin Ketone	1	mg/kg	0.0058	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0058	ND
Heptachlor Epoxide	1	mg/kg	0.0058	ND
Methoxychlor	1	mg/kg	0.0058	ND
p,p'-DDD	1	mg/kg	0.0029	ND
p,p'-DDE	1	mg/kg	0.0029	ND
p,p'-DDT	1	mg/kg	0.0029	ND
Toxaphene	1	mg/kg	0.029	ND

**PCB 8082**

**DRAFT**

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

**Semivolatiles Organics (no search) 8270**

**DRAFT**

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.078	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.078	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.078	ND
2,4,5-Trichlorophenol	1	mg/kg	0.078	ND
2,4,6-Trichlorophenol	1	mg/kg	0.078	ND
2,4-Dichlorophenol	1	mg/kg	0.078	ND
2,4-Dimethylphenol	1	mg/kg	0.019	ND
2,4-Dinitrophenol	1	mg/kg	0.39	ND
2,4-Dinitrotoluene	1	mg/kg	0.078	ND
2,6-Dinitrotoluene	1	mg/kg	0.078	ND
2-Chloronaphthalene	1	mg/kg	0.078	ND
2-Chlorophenol	1	mg/kg	0.078	ND
<b>2-Methylnaphthalene</b>	<b>1</b>	<b>mg/kg</b>	<b>0.078</b>	<b>0.55</b>

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2-Methylphenol	1	mg/kg	0.019	ND
2-Nitroaniline	1	mg/kg	0.078	ND
2-Nitrophenol	1	mg/kg	0.078	ND
3&4-Methylphenol	1	mg/kg	0.019	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.078	ND
3-Nitroaniline	1	mg/kg	0.078	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.39	ND
4-Bromophenyl-phenylether	1	mg/kg	0.078	ND
4-Chloro-3-methylphenol	1	mg/kg	0.078	ND
4-Chloroaniline	1	mg/kg	0.078	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.078	ND
4-Nitroaniline	1	mg/kg	0.078	ND
4-Nitrophenol	1	mg/kg	0.078	ND
Acenaphthene	1	mg/kg	0.078	ND
Acenaphthylene	1	mg/kg	0.078	ND
Acetophenone	1	mg/kg	0.078	ND
Anthracene	1	mg/kg	0.078	ND
Atrazine	1	mg/kg	0.078	ND
Benzaldehyde	1	mg/kg	0.078	ND
Benzo[a]anthracene	1	mg/kg	0.078	ND
Benzo[a]pyrene	1	mg/kg	0.078	ND
Benzo[b]fluoranthene	1	mg/kg	0.078	ND
Benzo[g,h,i]perylene	1	mg/kg	0.078	ND
Benzo[k]fluoranthene	1	mg/kg	0.078	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.078	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.078	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.078	ND
<b>bis(2-Ethylhexyl)phthalate</b>	<b>1</b>	<b>mg/kg</b>	<b>0.078</b>	<b>0.33</b>
Butylbenzylphthalate	1	mg/kg	0.078	ND
Caprolactam	1	mg/kg	0.078	ND
Carbazole	1	mg/kg	0.078	ND
Chrysene	1	mg/kg	0.078	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.078	ND
Dibenzofuran	1	mg/kg	0.019	ND
Diethylphthalate	1	mg/kg	0.078	ND
Dimethylphthalate	1	mg/kg	0.078	ND
Di-n-butylphthalate	1	mg/kg	0.078	ND
Di-n-octylphthalate	1	mg/kg	0.078	ND
<b>Fluoranthene</b>	<b>1</b>	<b>mg/kg</b>	<b>0.078</b>	<b>0.11</b>
Fluorene	1	mg/kg	0.078	ND
Hexachlorobenzene	1	mg/kg	0.078	ND
Hexachlorobutadiene	1	mg/kg	0.078	ND
Hexachlorocyclopentadiene	1	mg/kg	0.39	ND
Hexachloroethane	1	mg/kg	0.078	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.078	ND
Isophorone	1	mg/kg	0.078	ND
<b>Naphthalene</b>	<b>1</b>	<b>mg/kg</b>	<b>0.019</b>	<b>0.30</b>
Nitrobenzene	1	mg/kg	0.078	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.078	ND
N-Nitrosodiphenylamine	1	mg/kg	0.078	ND
Pentachlorophenol	1	mg/kg	0.39	ND
<b>Phenanthrene</b>	<b>1</b>	<b>mg/kg</b>	<b>0.078</b>	<b>0.12</b>
Phenol	1	mg/kg	0.078	ND
<b>Pyrene</b>	<b>1</b>	<b>mg/kg</b>	<b>0.078</b>	<b>0.11</b>

## TAL Metals 6010

DRAFT

Analyte	DF	Units	RL	Result
Aluminum	100	mg/kg	230	3100
Antimony	100	mg/kg	2.3	ND
Arsenic	100	mg/kg	2.3	ND
<b>Barium</b>	<b>100</b>	<b>mg/kg</b>	<b>12</b>	<b>27</b>
Beryllium	100	mg/kg	0.70	ND
Cadmium	100	mg/kg	0.70	ND
<b>Calcium</b>	<b>100</b>	<b>mg/kg</b>	<b>1200</b>	<b>1500</b>
<b>Chromium</b>	<b>100</b>	<b>mg/kg</b>	<b>5.8</b>	<b>7.8</b>
<b>Cobalt</b>	<b>100</b>	<b>mg/kg</b>	<b>2.9</b>	<b>3.6</b>
<b>Copper</b>	<b>100</b>	<b>mg/kg</b>	<b>5.8</b>	<b>14</b>
<b>Iron</b>	<b>100</b>	<b>mg/kg</b>	<b>230</b>	<b>6800</b>
<b>Lead</b>	<b>100</b>	<b>mg/kg</b>	<b>5.8</b>	<b>13</b>

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Matrix: Soil

Magnesium	100	mg/kg	580	1700
Manganese	100	mg/kg	12	170
Nickel	100	mg/kg	5.8	8.8
Potassium	100	mg/kg	580	ND
Selenium	100	mg/kg	2.1	ND
Silver	100	mg/kg	1.7	ND
Sodium	100	mg/kg	290	ND
Thallium	100	mg/kg	1.4	ND
Vanadium	100	mg/kg	12	ND
Zinc	100	mg/kg	12	22

## Volatile Organics (no search) 8260

DRAFT

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	181	mg/kg	0.21	ND
1,1,2,2-Tetrachloroethane	181	mg/kg	0.21	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	181	mg/kg	0.21	ND
1,1,2-Trichloroethane	181	mg/kg	0.21	ND
1,1-Dichloroethane	181	mg/kg	0.21	ND
1,1-Dichloroethene	181	mg/kg	0.21	ND
1,2,3-Trichlorobenzene	181	mg/kg	0.21	ND
1,2,4-Trichlorobenzene	181	mg/kg	0.21	ND
1,2-Dibromo-3-chloropropane	181	mg/kg	0.21	ND
1,2-Dibromoethane	181	mg/kg	0.21	ND
1,2-Dichlorobenzene	181	mg/kg	0.21	ND
1,2-Dichloroethane	181	mg/kg	0.11	ND
1,2-Dichloropropane	181	mg/kg	0.21	ND
1,3-Dichlorobenzene	181	mg/kg	0.21	ND
1,4-Dichlorobenzene	181	mg/kg	0.21	ND
1,4-Dioxane	181	mg/kg	11	ND
2-Butanone	181	mg/kg	0.21	ND
2-Hexanone	181	mg/kg	0.21	ND
4-Methyl-2-pentanone	181	mg/kg	0.21	ND
Acetone	181	mg/kg	1.1	ND
Benzene	181	mg/kg	0.11	ND
Bromochloromethane	181	mg/kg	0.21	ND
Bromodichloromethane	181	mg/kg	0.21	ND
Bromoform	181	mg/kg	0.21	ND
Bromomethane	181	mg/kg	0.21	ND
Carbon disulfide	181	mg/kg	0.21	ND
Carbon tetrachloride	181	mg/kg	0.21	ND
Chlorobenzene	181	mg/kg	0.21	ND
Chloroethane	181	mg/kg	0.21	ND
Chloroform	181	mg/kg	0.21	ND
Chloromethane	181	mg/kg	0.21	ND
cis-1,2-Dichloroethene	181	mg/kg	0.21	ND
cis-1,3-Dichloropropene	181	mg/kg	0.21	ND
Cyclohexane	181	mg/kg	0.21	ND
Dibromochloromethane	181	mg/kg	0.21	ND
Dichlorodifluoromethane	181	mg/kg	0.21	ND
<b>Ethylbenzene</b>	<b>181</b>	<b>mg/kg</b>	<b>0.21</b>	<b>3.7</b>
<b>Isopropylbenzene</b>	<b>181</b>	<b>mg/kg</b>	<b>0.21</b>	<b>1.6</b>
<b>m&amp;p-Xylenes</b>	<b>181</b>	<b>mg/kg</b>	<b>0.21</b>	<b>13</b>
Methyl Acetate	181	mg/kg	0.21	ND
Methylcyclohexane	181	mg/kg	0.21	ND
Methylene chloride	181	mg/kg	0.21	ND
Methyl-t-butyl ether	181	mg/kg	0.11	ND
<b>o-Xylene</b>	<b>181</b>	<b>mg/kg</b>	<b>0.21</b>	<b>1.9</b>
Styrene	181	mg/kg	0.21	ND
Tetrachloroethene	181	mg/kg	0.21	ND
<b>Toluene</b>	<b>181</b>	<b>mg/kg</b>	<b>0.21</b>	<b>0.42</b>
trans-1,2-Dichloroethene	181	mg/kg	0.21	ND
trans-1,3-Dichloropropene	181	mg/kg	0.21	ND
Trichloroethene	181	mg/kg	0.21	ND
Trichlorofluoromethane	181	mg/kg	0.21	ND
Vinyl chloride	181	mg/kg	0.21	ND
<b>Xylenes (Total)</b>	<b>181</b>	<b>mg/kg</b>	<b>0.21</b>	<b>14.9</b>

175 US Hwy 46 West, Fairfield, New Jersey 07004 & 1275 Bloomfield Avenue, Building 3, Unit 50A, Fairfield, New Jersey 07004  
 NELAC/NJ# 07071/07069 CT# PH-0671 MA# NJ366 NY/ELAP# 11408/11939 PA# 68-463/68-04409 WV# 353 KY# 90124

**1a) Customer:** ORS Customer Information  
 Address: 29-76 Northern Blvd, 5TH FLOOR, LONG ISLAND CITY, NY 11011  
 Email/Cell/Fax/Ph: 201-705-7488  
**1b) Send Invoice To:** Daisy Gupta  
**1c) Send Report To:** Tenzin Lhundup

**2a) Project:** ESA - CHOSY  
**2b) Project Manager:** Tenzin Lhundup  
**2c) Location (City/State):** Long Island City  
**2d) Quote# / PO# (if applicable):**

**3) Reporting Requirements (please circle)**  
 Turnaround Time: 24-Hour (100%)  
 48-Hour (75%)  
 72-Hour (50%)  
 4 Day (TPH)  
 1-Week (25%)  
 10 Days (10%)  
 Standard  
 Other:

**Report type:** Data Sum Waste Rec-NUN/V/PA CLP Full/Car-B Cat-A Other:  
**Electronic Deliv:** HazMat/Csv Equis Excal-NACC Excal-NYtagm Excal-PAacill PDF Other:

**7) Analysis Request**  
 Expedited TAT Not always available (Please check with lab!)

**FOR LAB USE ONLY** Check if Contingent ==> <== Check if Contingent

Batch#	Matrix Codes:	Sample Type	8) # Of Bottles					9) Methanol Bottle Numbers (if applicable)	Comments	
			MeOH	Encore	NaOH	HCl	H2SO4			HNO3
ACS6665	DW-Drinking Water GW-Ground Water WW-Waste Water	S-Soil SL-Sludge O-Oil								
Lab Sample#	4) Customer Sample ID	5) Matrix	6) Date	6) Time	Composite (C) Grab (G)					
-001	CHOSY-MHL6-0106201A		1/6/2011	11:00 AM	X					
Y	CHOSY MHL6 0106201B		1/6/2011	11:00 AM	X					
<del>End of Record</del>										

**10) Relinquished By:** Accepted By: Date: Time: Comments, Notes, Special Requirements, HAZARDS

Tenzin Lhundup Accepted By: Luis Davis Date: 01/06/11 Time: 1435

Luis Davis Date: 01/06/11 Time: 1645

**11) Sampler:** Tenzin Lhundup Date: 1/6/2011 Cooler Temp: 2.5

Please note NUMBERED items. If not completed your analytical work may be delayed.  
 A fee of \$8/sample will be assessed for storage should sample not be activated for any analysis