Sampling and Analysis Report

Lockport City Landfill
Site No. 932010

City of Lockport
Lockport, New York

November 2011

SAMPLING AND ANALYSIS REPORT

LOCKPORT CITY LANDFILL

SITE NO. 932010

LOCKPORT, NEW YORK

Prepared for

CITY OF LOCKPORT

Prepared by

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415 NORTH FRENCH ROAD, SUITE 100
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November 2011

PROJECT NO. 8612191

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SECTION 1 - INTRODUCTION

The Lockport City Landfill site is located on Oakhurst Street in the City of Lockport, Niagara County, New York. The landfill, assigned the Site Registry Number 9-32-010, is the subject of this report.

The Remedial Action Design as approved by the NYSDEC for the site; included a Long Term Monitoring Plan and Operation and Maintenance Plan. The purpose of the long term monitoring plan is to provide information to evaluate and monitor the long term effectiveness of the remedial work. The Operation and Maintenance Plan includes regular site inspections and analytical testing to identify any potential problems at the landfill that are not being adequately addressed by routine maintenance, and to document the current condition of the landfill. A site plan of the Lockport City Landfill is presented on Figure 1.

The Long Term Monitoring Program started in 1997; six (6) events were conducted in the first five (5) years (two events in 1997 and one event per year afterwards). This is the 5th monitoring event of the Long Term Monitoring contract between GHD Consulting Engineers, LLC and the City of Lockport. The purpose of this report is to present the findings of the 15th sampling event conducted at the Lockport City Landfill on October 18, 2011.

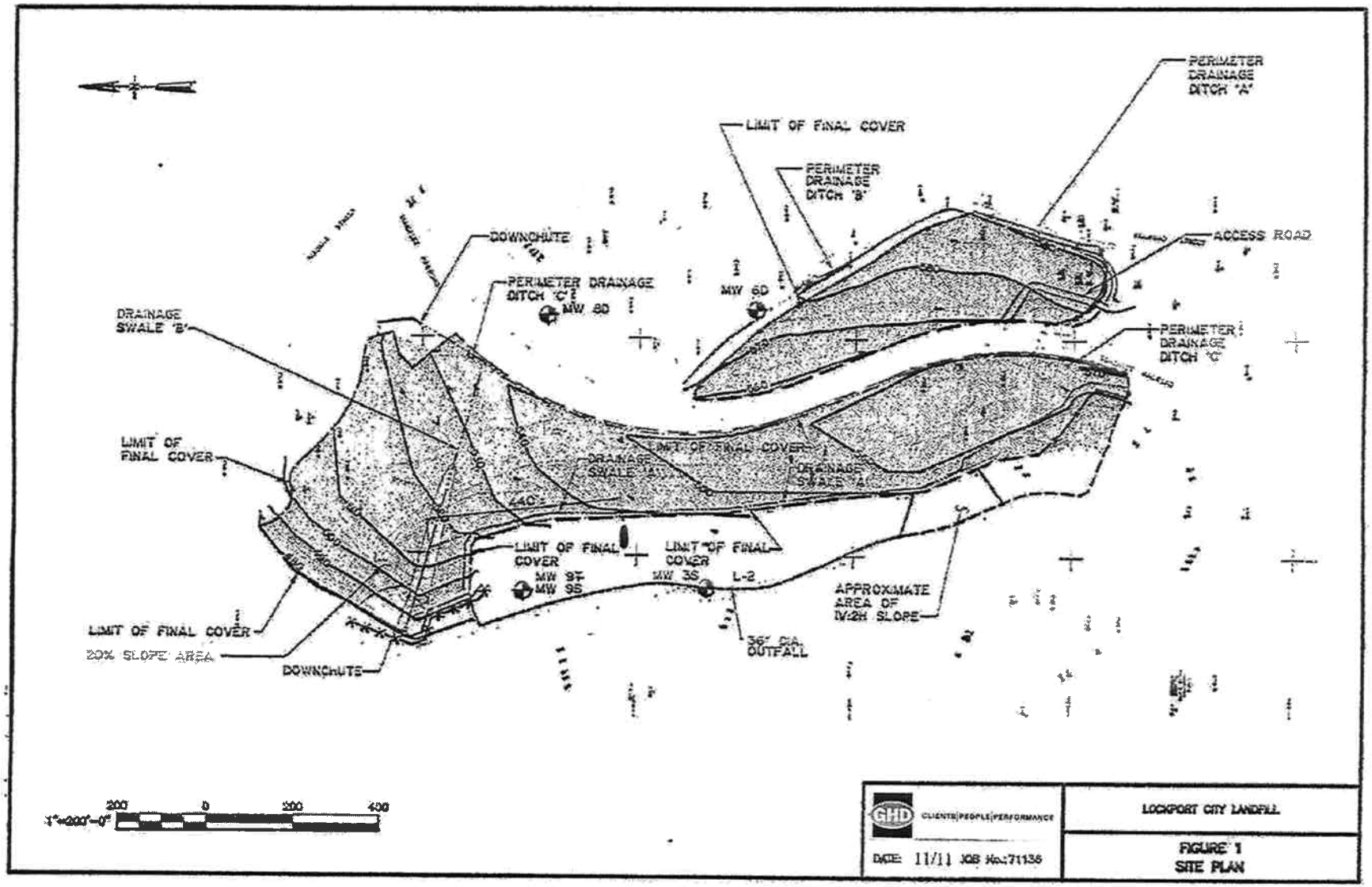
SECTION 2 - LONG TERM MONITORING

In accordance with the NYSDEC approved Long Term Monitoring Plan, and included in the Operation and Maintenance Plan, five (5) groundwater wells, and one (1) outfall were sampled by GHD Consulting Engineers, LLC on October 18, 2011. Of the six (6) sample monitoring points, a total of five (5) samples were collected. Monitoring Well MW-6D was not sampled, due to lack of available groundwater present at the time of sampling. The samples were delivered to Upstate Laboratories Inc. of Syracuse, New York, and analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) CLP Statement of Work (SOW) OLM04.2.

Analytical data sheets (i.e. laboratory report Form I VOA) are provided in Appendix A and Groundwater Field Sampling Records are presented in Appendix B. Table 1 summarizes analytical testing data from groundwater samples collected from monitoring wells and the outfall for past 15 years. Groundwater sampling and analytical testing is presented for the monitoring

years of 1997 through 2011. The established action levels for Monitoring Wells MW-8D and MW-9I, and Outfall L2 are noted on Table 1.

Analytical test results presented on Table 1 indicate that there were no exceedances detected above the reported action levels. Since exceedances did not occur, contingent sampling and analysis are not required. Therefore, the next sampling event will be scheduled for October 2012 representing year 16 of the Long Term Monitoring Program.


PERIMETER DRAINAGE DITCH "A"
LIMIT OF FINAL COVER
PERIMETER DRAINAGE DITCH "B"
ACCESS ROAD
DOWNCHUTE
PERIMETER DRAINAGE DITCH "C"
MW 6D
MW 8D
PERIMETER DRAINAGE DITCH "C"
DRAINAGE SWALE "B"
LIMIT OF FINAL COVER
DRAINAGE SWALE "A"
DRAINAGE SWALE "A"
LIMIT OF FINAL COVER
LIMIT OF FINAL COVER
MW 9S
MW 3S
L-2
APPROXIMATE AREA OF IV:2H SLOPE
LIMIT OF FINAL COVER
20% SLOPE AREA
DOWNCHUTE
36" DIA. OUTFALL
200 0 200 400
1"=200'-0"
GHD CLIENTS|PEOPLE|PERFORMANCE
DATE: 11/11 JOB No.: 71136
LOCKPORT CITY LANDFILL
FIGURE 1
SITE PLAN

TABLES

TABLE 1
MONITORING WELL 3S
GROUNDWATER ANALYTICAL TEST RESULTS
LOCKPORT CITY LANDFILL

Volatile Compounds	Units	Action Level	Jun-97	Nov-97	Sep-98	Sep-99	Sep-00	Sep-01	Oct-02	Dec-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11
Chloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Vinyl chloride	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Chloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Acetone	µg/L	NS	U	U	U	U	U	U	U	U	U	U	6 J	U	U	U	U	U
1,1-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Carbon disulfide	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Methylene chloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,2-Dichloroethene (total)	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	4 J	3J	2J	4J	3.2 J
trans-1, 2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	µg/L	NS	U	U	U	U	U	U	U	U	U	1 J	U	U	3J	2J	3J	2.8 J
2-Butanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
cis-1,2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1,1-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Carbon tetrachloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Benzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,2-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Trichloroethene	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Bromodichloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
4-Methyl-2-pentanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
cis-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Toluene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
trans-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1,2-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
2-Hexanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Tetrachloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Dibromochloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Chlorobenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Ethylbenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
m,p-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
o-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Styrene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Bromoform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1,2,2-Tetrachloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U

Notes:

VOC analysis by USEPA CLP SOW OLM04.2

U = not detected above the quantitation limit

J = estimated concentration

NS = no standard

- = not sampled for

1,2-Dichloroethene (Total) is reported as the sum of the detected concentrations of cis-1,2-Dichloroethene and trans-1,2-Dichloroethene

TABLE 1 (Cont'd)
MONITORING WELL 6D
GROUNDWATER ANALYTICAL RESULTS
LOCKPORT CITY LANDFILL

Volatile Compounds	Units	Action Level	Jun-97	Nov-97	Sep-98	Sep-99	Sep-00	Sep-01	Oct-02	Dec-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11
Chloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	-	-	-	-	-
Bromomethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	µg/L	NS	U	U	U	U	U	U	U	U	U	2 J	16	-	-	-	-	-
1,1-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	-	-	-	-	-
trans-1, 2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	-	-	-	-	-
2-Butanone	µg/L	NS	U	U	U	U	U	U	U	U	U	U	1 J	-	-	-	-	-
cis-1,2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	-	-	-	-	-
1,2-Dichloropropane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/L	NS	U	U	U	U	U	U	U	U	U	2 J	2 J	-	-	-	-	-
trans-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (Total)	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	-	-	-	-	-
Styrene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

VOC analysis by USEPA CLP SOW OLM04.2

U = not detected above the quantitation limit

J = estimated concentration

- = not sampled

NS = no standard

Oct. 2007, Oct. 2008, Oct. 2009, Oct. 2010 & Oct. 2011 : MW-6D not sampled due to dry conditions, no groundwater available

1,2-Dichloroethene (Total) is reported as the sum of the detected concentrations of cis-1,2-Dichloroethene and trans-1,2-Dichloroethene

TABLE 1 (Cont'd)
MONITORING WELL 8D
GROUNDWATER ANALYTICAL TEST RESULTS
LOCKPORT CITY LANDFILL

Volatile Compounds	Units	Action Level	Jun-97	Nov-97	Sep-98	Sep-99	Sep-00	Sep-01	Oct-02	Dec-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11
Chloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Vinyl chloride	µg/L	162	U	U	U	U	U	7	33	6	4 J	U	U	U	U	U	U	U
Bromomethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Chloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Acetone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Carbon disulfide	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Methylene chloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,2-Dichloroethene (total)	µg/L	1,580	100	90	110	18	25	41	120	7	28	27 J	40	32	34	26	23	24
trans-1, 2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
2-Butanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
cis-1,2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1,1-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Carbon tetrachloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Benzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,2-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Trichloroethene	µg/L	260	2	4	5	2	2	2	U	U	U	U	1 J	U	U	U	U	3.2 J
1,2-Dichloropropane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Bromodichloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
4-Methyl-2-pentanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
cis-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Toluene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
trans-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1,2-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
2-Hexanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Tetrachloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Dibromochloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Chlorobenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Ethylbenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
m,p-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
o-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Styrene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Bromoform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1,2,2-Tetrachloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U

Notes:

VOC analysis by USEPA CLP SOW OLM04.2

U = not detected above the quantitation limit

J = estimated concentration

NS = no standard

- = not sampled for

1,2-Dichloroethene (Total) is reported as the sum of the detected concentrations of cis-1,2-Dichloroethene and trans-1,2-Dichloroethene

TABLE 1 (Cont'd)
MONITORING WELL 9S
GROUNDWATER ANALYTICAL TEST RESULTS
LOCKPORT CITY LANDFILL

Volatile Compounds	Units	Action Level	Jun-97	Nov-97	Sep-98	Sep-99	Sep-00	Sep-01	Oct-02	Dec-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11
Chloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Vinyl chloride	µg/L	162	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Chloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Acetone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Carbon disulfide	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Methylene chloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,2-Dichloroethene (total)	µg/L	1,580	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1, 2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
2-Butanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
cis-1,2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1,1-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Carbon tetrachloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Benzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,2-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Trichloroethene	µg/L	260	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Bromodichloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
4-Methyl-2-pentanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
cis-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Toluene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
trans-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1,2-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
2-Hexanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Tetrachloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Dibromochloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Chlorobenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Ethylbenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
m,p-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
o-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Styrene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Bromoform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1,2,2-Tetrachloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U

Notes:

VOC analysis by USEPA CLP SOW OLM04.2

U = not detected above the quantitation limit

J = estimated concentration

NS = no standard

- = not sampled for

1,2-Dichloroethene (Total) is reported as the sum of the detected concentrations of cis-1,2-Dichloroethene and trans-1,2-Dichloroethene

TABLE 1 (Cont'd)
MONITORING WELL 9I
GROUNDWATER ANALYTICAL TEST RESULTS
LOCKPORT CITY LANDFILL

Volatile Compounds	Units	Action Level	Jun-97	Nov-97	Sep-98	Sep-99	Sep-00	Sep-01	Oct-02	Dec-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11
Chloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Vinyl chloride	µg/L	24	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Chloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Acetone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Carbon disulfide	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Methylene chloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,2-Dichloroethene (total)	µg/L	42	8.4	6	6	5	4 J	4 J	4 J	4 J	3 J	3 J	2 J	3 J	2J	U	2J	U
trans-1, 2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
2-Butanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
cis-1,2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1,1-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Carbon tetrachloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Benzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,2-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Trichloroethene	µg/L	NS	1.6	2	2	1 J	1 J	1 J	1 J	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Bromodichloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
4-Methyl-2-pentanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
cis-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Toluene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
trans-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1,2-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
2-Hexanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Tetrachloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Dibromochloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Chlorobenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Ethylbenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
m,p-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
o-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Styrene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Bromoform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1,2,2-Tetrachloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U

Notes:

VOC analysis by USEPA CLP SOW OLM04.2

U = not detected above the quantitation limit

J = estimated concentration

NS = no standard

- = not sampled for

1,2-Dichloroethene (Total) is reported as the sum of the detected concentrations of cis-1,2-Dichloroethene and trans-1,2-Dichloroethene

TABLE 1 (Cont'd)
OUTFALL L-2
GROUNDWATER ANALYTICAL TEST RESULTS
LOCKPORT CITY LANDFILL

Volatile Compounds	Units	Action Level	Jun-97	Nov-97	Sep-98	Sep-99	Sep-00	Sep-01	Oct-02	Dec-03	Oct-04	Oct-05	Oct-06	Oct-07	Oct-08	Oct-09	Oct-10	Oct-11
Chloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Vinyl chloride	µg/L	94	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Chloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Acetone	µg/L	NS	U	U	U	U	U	U	U	U	U	2 J	U	U	U	U	U	U
1,1-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Carbon disulfide	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Methylene chloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,2-Dichloroethene (total)	µg/L	280	U	2	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1, 2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
2-Butanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
cis-1,2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1,1-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Carbon tetrachloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Benzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,2-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Trichloroethene	µg/L	NS	U	3	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Bromodichloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
4-Methyl-2-pentanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
cis-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Toluene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
trans-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1,2-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
2-Hexanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Tetrachloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Dibromochloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Chlorobenzene	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
m,p-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
o-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Styrene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
Bromoform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U
1,1,2,2-Tetrachloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U	U	U	U	U

Notes:

VOC analysis by USEPA CLP SOW OLM04.2

U = not detected above the quantitation limit

J = estimated concentration

NS = no standard

- = not sampled for

1,2-Dichloroethene (Total) is reported as the sum of the detected concentrations of cis-1,2-Dichloroethene and trans-1,2-Dichloroethene

APPENDICES

APPENDIX A

GHD INC.
GROUNDWATER FIELD SAMPLING RECORD

SITE: Lockport City Landfill — DATE: 10/18/11

Sampler: Brian Doyle — SAMPLE ID: MW-8D

Depth of well (from top of casing)..... 76.67 ft
Initial static water level (from top of casing).... 71.8 ft

Evacuation Method:

Submersible		Centrifugal			
Airlift		Pos. Displ.			
Bailer	X	>>> No. of bails			

Well Volume Calculation

2in. casing:	4.87 ft. of water x .16 =	0.78	gallons
3in. casing:	ft. of water x .36 =		gallons
4in. casing:	ft. of water x .65 =		gallons

Volume of water removed: 1.50 gals.

> 3 volumes: **yes** | no

dry: yes | **no**

Field Tests:

Temp:	11.9	C
pH	6.93	
Conductivity	2.61	mS/cm
DO	4.76	mg/l
Turbidity	869	NTUs
Salinity	0.13	%

Sampling: — Time: 1:15 PM

Sampling Method:

Stainless Steel Bailer	
Disposable Bailer	X
Disposable Pump	
Other	

Observations:

Weather/Temperature: Overcast, 50°

Physical Appearance and Odor of Sample: Clear, then very turbid, brown

Comments: Well purged dry after 1.5 gallons.
Well pad is intact and the stickup protective cover is in good condition.

GHD INC.
GROUNDWATER FIELD SAMPLING RECORD

SITE Lockport City Landfill DATE 10/18/11

Sampler: Brian Doyle SAMPLE ID MW-6D

Depth of well (from top of casing)..... 77.12 ft
Initial static water level (from top of casing).... 76.7 ft

Evacuation Method:

Well Volume Calculation

Submersible		Centrifugal		2in. casing:	0.42	ft. of water x .16 =	0.07 gallons
Airlift		Pos. Displ.		3in. casing:		ft. of water x .36 =	gallons
Bailer	X	>>> No. of bails		4in. casing:		ft. of water x .65 =	gallons

Volume of water removed 0.00 gals.

> 3 volumes: **yes** no

dry: yes **no**

Field Tests:

Temp:		C
pH		
Conductivity		mS/cm
DO		mg/l
Turbidity		NTUs
Oxidation Reduction Potential(ORP)		mV
Salinity		%

Sampling: Time: AM

Sampling Method:

Stainless Steel Bailer	
Disposable Bailer	X
Disposable Pump	
Other	

Observations:

Weather/Temperature: Overcast, 50°

Physical Appearance and Odor of Sample:

Comments: Unable to test for water quality parameters and take samples due to a neglible amount of water in well. Well pad is intact and the stickup protective cover is in good condition.

GHD INC.
GROUNDWATER FIELD SAMPLING RECORD

SITE Lockport City Landfill DATE 10/18/11

Sampler: Brian Doyle SAMPLE ID MW-9S

Depth of well (from top of casing)..... 12.36 ft
Initial static water level (from top of casing).... 7.0 ft

Evacuation Method:

Submersible		Centrifugal			
Airlift		Pos. Displ.			
Bailer	X	>>> No. of bails			

Well Volume Calculation

2in. casing:	5.36 ft. of water x .16 =	0.86	gallons
3in. casing:	ft. of water x .36 =		gallons
4in. casing:	ft. of water x .65 =		gallons

Volume of water removed 2.57 gals.

> 3 volumes: **yes** no

dry: yes **no**

Field Tests:

Temp:	13.8	C
pH	7.38	
Conductivity	1.93	mS/cm
DO	4.58	mg/l
Turbidity	218	NTUs
Salinity	0.09	%

Sampling: Time: 11:30 AM

Sampling Method:

Stainless Steel Bailer	
Disposable Bailer	X
Disposable Pump	
Other	

Observations:

Weather/Temperature: Overcast, 50°

Physical Appearance and Odor of Sample: Very turbid, brownish color, no odor.

Comments: Well pad is intact and the stickup protective cover is in good condition.

GHD INC.
GROUNDWATER FIELD SAMPLING RECORD

SITE: Lockport City Landfill — DATE: 10/18/11

Sampler: Brian Doyle — SAMPLE ID: MW-9I; MS/MSD

Depth of well (from top of casing)..... 19.99 ft
Initial static water level (from top of casing).... 5.9 ft

Evacuation Method:

Submersible		Centrifugal			
Airlift		Pos. Displ.			
Bailer	X	>>> No. of bails			

Well Volume Calculation

2in. casing:	14.09 ft. of water x .16 =	2.25	gallons
3in. casing:	ft. of water x .36 =		gallons
4in. casing:	ft. of water x .65 =		gallons

Volume of water removed: 6.76 gals.

> 3 volumes: **yes** no

dry: yes **no**

Field Tests:

Temp:	13.43	C
pH	7.19	
Conductivity	1.83	mS/cm
DO	4.08	mg/l
Turbidity	60	NTUs
Salinity	0.09	%

Sampling: Time: 10:35 AM

Sampling Method:

Stainless Steel Bailer	
Disposable Bailer	X
Disposable Pump	
Other	

Observations:

Weather/Temperature: Overcast, 50°

Physical Appearance and Odor of Sample: Initially reddish brown, no odor, then clear

Comments: Well pad is intact and the stickup protective cover is in good condition. Lock has corosion and should be changed.

GHD INC.
GROUNDWATER FIELD SAMPLING RECORD

SITE: Lockport City Landfill — DATE: 10/18/11

Sampler: Brian Doyle — SAMPLE ID: MW-3S

Depth of well (from top of casing)..... 13.24 ft
Initial static water level (from top of casing).... 3.6 ft

Evacuation Method:

Submersible		Centrifugal		2in. casing:	9.64	ft. of water x .16 =	1.54 gallons
Airlift		Pos. Displ.		3in. casing:		ft. of water x .36 =	gallons
Bailer	X	>>> No. of bails		4in. casing:		ft. of water x .65 =	gallons

Well Volume Calculation

Volume of water removed: 1.75 gals.

> 3 volumes: yes [ ] no

dry: [yes] no

Field Tests:

Temp:	13.81	C
pH	6.67	
Conductivity	3.26	mS/cm
DO	4.87	mg/l
Turbidity	120	NTUs
Salinity	0.16	%

Sampling: Time: 12:15 PM

Sampling Method:

Stainless Steel Bailer	
Disposable Bailer	X
Disposable Pump	
Other	

Observations:

Weather/Temperature: Overcast, 50°

Physical Appearance and Odor of Sample: No odor, reddish-brown color

Comments: Debris around monitoring well.
Unable to fully purge well due to obstruction in well between the riser and the screen.
Well pad is intact and the stickup protective cover is in good condition.

GHD INC.
SURFACE WATER FIELD SAMPLING RECORD

SITE Lockport City Landfill DATE 10/18/11

Samplers: Brian Doyle SAMPLE ID Outfall L-2

Sampling Method:

Submersible	GRAB	Centrifugal	
Airlift		Pos. Displ.	
Bailer		>>> No. of bails	

Field Tests:		
Temp:	11.97	C
pH	7.01	
Conductivity	1.87	mS/cm
DO	8.5	mg/l
Turbidity	6	NTUs
Salinity	0.1	%

Sampling: Time: 12:35 PM

Sampling Method:	
Stainless Steel Bailer	
Teflon Bailer	
Disposable Pump	
Other	Grab

Observations:

Weather/Temperature: Overcast, 50°

Physical Appearance and Odor of Sample: No odor, light brown color, slightly turbid.

Comments: Iron bacteria was present on outfall and rocks.

APPENDIX B

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209
Mailing: Box 169 * Syracuse, NY 13206
Albany (518) 459-3134 * Binghamton (607) 239-4413 * Buffalo (716) 972-0371
Rochester (866) 437-0255 * New Jersey (908) 581-4285

Mr. David Rowlinson
GHD, Inc.
415 N. French Rd.
Amherst, NY 14228

Tuesday, November 08, 2011

RE: Analytical Report: Order No.: U1110525
Lockport City Landfill

Dear Mr. David Rowlinson:

Upstate Laboratories, Inc. received 7 sample(s) on 10/21/2011 for the analyses presented in the following report.

All analytical results relate to the samples as received by the laboratory.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.
Anthony J. Scala
Anthony J. Scala
President/CEO

CC:
Enclosures: ASP-A Narr, report, invoice

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209
Mailing: Box 169 * Syracuse, NY 13206
Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 972-0371
Rochester (866) 437-0255 * New Jersey (908) 581-4285

Mr. David Rowlinson
GHD, Inc.
415 N. French Rd.
Amherst, NY 14228

November 14, 2011

RE: Lockport City Landfill
Samples collected October 18, 2011
Case Narrative for ULI SDG Number GHD001, Workorder #U1110525

Dear Mr. Rowlinson:

The following is a New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category A case narrative for the above referenced project. The test results were subject to an internal validation as described below:

Internal Validation

For each test, the chemist sorted the samples into batches of twenty samples or less and added quality control (QC) samples. The batches were analyzed by USEPA and NYSDEC approved test procedures (Table 1). During the course of the analyses the chemist compared the quality control test results to performance criteria and (if necessary) took corrective actions. At the end of the analysis, the data was assembled into data packages and submitted to the section supervisor for review and approval. On the cover of each data package the analyst described any anomaly that may have occurred and, if it did occur, why the data was still found acceptable. A summary of the comments on the cover sheet of each test from each laboratory follows:

Volatiles

Test	Batch	Anomaly
8260	R66499	The CCV recovery for Bromomethane was above QC acceptance limits. All other criteria were satisfied.
	R66539	The CCV recovery for Bromomethane was above QC acceptance limits. All other criteria were satisfied.

I certify that this data package is in compliance with the terms and conditions of the Contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and/or in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Sincerely,
UPSTATE LABORATORIES, INC.

Anthony J. Scala
Director

GHD001A.doc

The total number of pages in this report is : 2

Table 1
Methodologies

The analyses were performed using test methods developed by the USEPA and reorganized by the NYSDEC in the Analytical Services Protocol (ASP). The specific method numbers are:

Parameter	Method	Reference
Volatiles	8260	(1)

Reference:
(1) New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP), 7/05 Revision

Upstate Laboratories, Inc.

Analytical Report

Date: *08-Nov-11*

CLIENT: GHD, Inc.
Client Sample ID: MW-8D
Lab Order: U1110525
Collection Date: 10/18/2011 10:30:00 AM
Project: Lockport City Landfill
Lab ID: U1110525-001
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILES IN WATER BY METHOD 8260		**8260ASP05_W**				Analyst: **LEF**
1,1,1-Trichloroethane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
1,4-Dioxane	ND	100		µg/L	1	11/2/2011 4:06:00 PM
2-Butanone	ND	10		µg/L	1	11/2/2011 4:06:00 PM
2-Hexanone	ND	10		µg/L	1	11/2/2011 4:06:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/2/2011 4:06:00 PM
Acetone	ND	10		µg/L	1	11/2/2011 4:06:00 PM
Benzene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Bromochloromethane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Bromoform	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Bromomethane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Carbon disulfide	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Chlorobenzene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Chloroethane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Chloroform	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Chloromethane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
cis-1,2-Dichloroethene	24	5.0		µg/L	1	11/2/2011 4:06:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Cyclohexane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Dichlorodifluoromethane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Ethylbenzene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Freon-113	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM

Approved By: PH **Date:** 11-8-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *08-Nov-11*

CLIENT: GHD, Inc.
Client Sample ID: MW-8D
Lab Order: U1110525
Collection Date: 10/18/2011 10:30:00 AM
Project: Lockport City Landfill
Lab ID: U1110525-001
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILES IN WATER BY METHOD 8260		**8260ASP05_W**				Analyst: **LEF**
Isopropylbenzene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
m,p-Xylene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Methyl Acetate	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Methylcyclohexane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Methylene chloride	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
n-Butylbenzene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
n-Propylbenzene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
o-Xylene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
sec-Butylbenzene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Styrene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
tert-Butylbenzene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Toluene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Trichloroethene	3.2	5.0	J	µg/L	1	11/2/2011 4:06:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM
Vinyl chloride	ND	5.0		µg/L	1	11/2/2011 4:06:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 11-8-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *08-Nov-11*

CLIENT: GHD, Inc.
Client Sample ID: MW-9S
Lab Order: U1110525
Collection Date: 10/18/2011 2:30:00 PM
Project: Lockport City Landfill
Lab ID: U1110525-002
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILES IN WATER BY METHOD 8260		**8260ASP05_W**				Analyst: **LEF**
1,1,1-Trichloroethane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
1,4-Dioxane	ND	100		µg/L	1	11/2/2011 6:13:00 PM
2-Butanone	ND	10		µg/L	1	11/2/2011 6:13:00 PM
2-Hexanone	ND	10		µg/L	1	11/2/2011 6:13:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/2/2011 6:13:00 PM
Acetone	ND	10		µg/L	1	11/2/2011 6:13:00 PM
Benzene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Bromochloromethane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Bromoform	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Bromomethane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Carbon disulfide	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Chlorobenzene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Chloroethane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Chloroform	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Chloromethane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Cyclohexane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Dichlorodifluoromethane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Ethylbenzene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Freon-113	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM

Approved By: PH **Date:** 11-8-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *08-Nov-11*

CLIENT: GHD, Inc.
Client Sample ID: MW-9S
Lab Order: U1110525
Collection Date: 10/18/2011 2:30:00 PM
Project: Lockport City Landfill
Lab ID: U1110525-002
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILES IN WATER BY METHOD 8260		**8260ASP05_W**				Analyst: **LEF**
Isopropylbenzene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
m,p-Xylene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Methyl Acetate	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Methylcyclohexane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Methylene chloride	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
n-Butylbenzene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
n-Propylbenzene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
o-Xylene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
sec-Butylbenzene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Styrene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
tert-Butylbenzene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Toluene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Trichloroethene	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM
Vinyl chloride	ND	5.0		µg/L	1	11/2/2011 6:13:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 11-8-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *08-Nov-11*

CLIENT: GHD, Inc.
Client Sample ID: MW-9I
Lab Order: U1110525
Collection Date: 10/18/2011 1:30:00 PM
Project: Lockport City Landfill
Lab ID: U1110525-003
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILES IN WATER BY METHOD 8260		**8260ASP05_W**				Analyst: **LEF**
1,1,1-Trichloroethane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
1,4-Dioxane	ND	100		µg/L	1	11/2/2011 4:56:00 PM
2-Butanone	ND	10		µg/L	1	11/2/2011 4:56:00 PM
2-Hexanone	ND	10		µg/L	1	11/2/2011 4:56:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/2/2011 4:56:00 PM
Acetone	ND	10		µg/L	1	11/2/2011 4:56:00 PM
Benzene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Bromochloromethane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Bromoform	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Bromomethane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Carbon disulfide	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Chlorobenzene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Chloroethane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Chloroform	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Chloromethane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Cyclohexane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Dichlorodifluoromethane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Ethylbenzene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Freon-113	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM

Approved By: PH **Date:** 11-8-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *08-Nov-11*

CLIENT: GHD, Inc.
Client Sample ID: MW-9I
Lab Order: U1110525
Collection Date: 10/18/2011 1:30:00 PM
Project: Lockport City Landfill
Lab ID: U1110525-003
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILES IN WATER BY METHOD 8260		**8260ASP05_W**				Analyst: **LEF**
Isopropylbenzene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
m,p-Xylene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Methyl Acetate	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Methylcyclohexane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Methylene chloride	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
n-Butylbenzene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
n-Propylbenzene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
o-Xylene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
sec-Butylbenzene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Styrene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
tert-Butylbenzene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Toluene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Trichloroethene	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM
Vinyl chloride	ND	5.0		µg/L	1	11/2/2011 4:56:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 11-8-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *08-Nov-11*

CLIENT: GHD, Inc.
Client Sample ID: MW-3S
Lab Order: U1110525
Collection Date: 10/18/2011 12:30:00 PM
Project: Lockport City Landfill
Lab ID: U1110525-004
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILES IN WATER BY METHOD 8260		**8260ASP05_W**				Analyst: **LEF**
1,1,1-Trichloroethane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
1,1-Dichloroethane	2.8	5.0	J	µg/L	1	11/2/2011 5:36:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
1,4-Dioxane	ND	100		µg/L	1	11/2/2011 5:36:00 PM
2-Butanone	ND	10		µg/L	1	11/2/2011 5:36:00 PM
2-Hexanone	ND	10		µg/L	1	11/2/2011 5:36:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/2/2011 5:36:00 PM
Acetone	ND	10		µg/L	1	11/2/2011 5:36:00 PM
Benzene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Bromochloromethane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Bromoform	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Bromomethane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Carbon disulfide	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Chlorobenzene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Chloroethane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Chloroform	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Chloromethane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
cis-1,2-Dichloroethene	3.2	5.0	J	µg/L	1	11/2/2011 5:36:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Cyclohexane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Dichlorodifluoromethane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Ethylbenzene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Freon-113	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM

Approved By: PH **Date:** 11-8-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *08-Nov-11*

CLIENT: GHD, Inc.
Client Sample ID: MW-3S
Lab Order: U1110525
Collection Date: 10/18/2011 12:30:00 PM
Project: Lockport City Landfill
Lab ID: U1110525-004
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILES IN WATER BY METHOD 8260		**8260ASP05_W**				Analyst: **LEF**
Isopropylbenzene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
m,p-Xylene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Methyl Acetate	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Methylcyclohexane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Methylene chloride	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
n-Butylbenzene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
n-Propylbenzene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
o-Xylene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
sec-Butylbenzene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Styrene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
tert-Butylbenzene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Toluene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Trichloroethene	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM
Vinyl chloride	ND	5.0		µg/L	1	11/2/2011 5:36:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: DH **Date:** 11-8-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *08-Nov-11*

CLIENT: GHD, Inc.
Client Sample ID: Outfall L-2
Lab Order: U1110525
Collection Date: 10/18/2011 11:30:00 AM
Project: Lockport City Landfill
Lab ID: U1110525-005
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILES IN WATER BY METHOD 8260		**8260ASP05_W**				Analyst: **LEF**
1,1,1-Trichloroethane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
1,4-Dioxane	ND	100		µg/L	1	11/2/2011 11:26:00 PM
2-Butanone	ND	10		µg/L	1	11/2/2011 11:26:00 PM
2-Hexanone	ND	10		µg/L	1	11/2/2011 11:26:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/2/2011 11:26:00 PM
Acetone	ND	10		µg/L	1	11/2/2011 11:26:00 PM
Benzene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Bromochloromethane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Bromoform	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Bromomethane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Carbon disulfide	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Chlorobenzene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Chloroethane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Chloroform	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Chloromethane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Cyclohexane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Dichlorodifluoromethane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Ethylbenzene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Freon-113	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM

Approved By: PH **Date:** 11-8-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *08-Nov-11*

CLIENT: GHD, Inc.
Client Sample ID: Outfall L-2
Lab Order: U1110525
Collection Date: 10/18/2011 11:30:00 AM
Project: Lockport City Landfill
Lab ID: U1110525-005
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILES IN WATER BY METHOD 8260		**8260ASP05_W**				Analyst: **LEF**
Isopropylbenzene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
m,p-Xylene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Methyl Acetate	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Methylcyclohexane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Methylene chloride	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
n-Butylbenzene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
n-Propylbenzene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
o-Xylene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
sec-Butylbenzene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Styrene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
tert-Butylbenzene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Toluene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Trichloroethene	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM
Vinyl chloride	ND	5.0		µg/L	1	11/2/2011 11:26:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 11-8-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *08-Nov-11*

CLIENT: GHD, Inc.
Client Sample ID: Trip Blank
Lab Order: U1110525
Collection Date: 10/18/2011
Project: Lockport City Landfill
Lab ID: U1110525-006
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILES IN WATER BY METHOD 8260		**8260ASP05_W**				Analyst: **LEF**
1,1,1-Trichloroethane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
1,4-Dioxane	ND	100		µg/L	1	11/3/2011 12:05:00 AM
2-Butanone	ND	10		µg/L	1	11/3/2011 12:05:00 AM
2-Hexanone	ND	10		µg/L	1	11/3/2011 12:05:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/3/2011 12:05:00 AM
Acetone	ND	10		µg/L	1	11/3/2011 12:05:00 AM
Benzene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Bromochloromethane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Bromoform	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Bromomethane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Carbon disulfide	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Chlorobenzene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Chloroethane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Chloroform	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Chloromethane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Cyclohexane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Dichlorodifluoromethane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Ethylbenzene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Freon-113	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM

Approved By: PH **Date:** 11-8-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *08-Nov-11*

CLIENT: GHD, Inc.
Client Sample ID: Trip Blank
Lab Order: U1110525
Collection Date: 10/18/2011
Project: Lockport City Landfill
Lab ID: U1110525-006
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILES IN WATER BY METHOD 8260		**8260ASP05_W**				Analyst: **LEF**
Isopropylbenzene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
m,p-Xylene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Methyl Acetate	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Methyl tert-butyl ether	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Methylcyclohexane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Methylene chloride	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
n-Butylbenzene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
n-Propylbenzene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
o-Xylene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
sec-Butylbenzene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Styrene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
tert-Butylbenzene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Toluene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Trichloroethene	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM
Vinyl chloride	ND	5.0		µg/L	1	11/3/2011 12:05:00 AM

NOTES:
Sample analyzed over the holding time.
TICS: No compounds were detected.

Approved By: PH **Date:** 11-8-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *08-Nov-11*

CLIENT: GHD, Inc.
Client Sample ID: Holding Blank
Lab Order: U1110525
Collection Date: 10/21/2011 4:41:00 PM
Project: Lockport City Landfill
Lab ID: U1110525-007
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILES IN WATER BY METHOD 8260		**8260ASP05_W**				Analyst: **LEF**
1,1,1-Trichloroethane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
1,4-Dioxane	ND	100		µg/L	1	11/3/2011 12:44:00 AM
2-Butanone	ND	10		µg/L	1	11/3/2011 12:44:00 AM
2-Hexanone	ND	10		µg/L	1	11/3/2011 12:44:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/3/2011 12:44:00 AM
Acetone	ND	10		µg/L	1	11/3/2011 12:44:00 AM
Benzene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Bromochloromethane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Bromoform	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Bromomethane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Carbon disulfide	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Chlorobenzene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Chloroethane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Chloroform	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Chloromethane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Cyclohexane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Dichlorodifluoromethane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Ethylbenzene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Freon-113	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM

Approved By: PH **Date:** 11-8-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *08-Nov-11*

CLIENT: GHD, Inc.
Client Sample ID: Holding Blank
Lab Order: U1110525
Collection Date: 10/21/2011 4:41:00 PM
Project: Lockport City Landfill
Lab ID: U1110525-007
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILES IN WATER BY METHOD 8260		**8260ASP05_W**				Analyst: **LEF**
Isopropylbenzene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
m,p-Xylene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Methyl Acetate	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Methyl tert-butyl ether	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Methylcyclohexane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Methylene chloride	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
n-Butylbenzene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
n-Propylbenzene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
o-Xylene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
sec-Butylbenzene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Styrene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
tert-Butylbenzene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Toluene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Trichloroethene	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM
Vinyl chloride	ND	5.0		µg/L	1	11/3/2011 12:44:00 AM

NOTES:
Sample analyzed over the holding time.
TICS: No compounds were detected.

Approved By: PH **Date:** 11-8-11

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
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J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057
Phone (315) 437 0255 Fax (315) 437 1209

Client: GHD, Inc.

Project # / Project Name: LOCKPORT CITY LANDFILL

Client Contact: DAVE ROWLINSON

Phone #:

Location (City/State): LOCKPORT, NY

Sample ID	Date	Time	Matrix	Grab or Comp	ULI Internal Use Only	Number of Containers	ULI Computer Input Form 1	2	3	4	5	6	7	8	9	10	Remarks ASP-A
MW-8D	10/18/11	10:30	WATER	Grab	U1110525 1	2	X										
MW-9S (MS/MSD)	10/18/11	14:30	WATER		2	6	X										
MW-9I	10/18/11	13:30	WATER		3	2	X										
MW-3S	10/18/11	12:30	WATER		4	2	X										
OUTFALL L-2	10/18/11	11:30	WATER		5	2	X										
TRIP BLANK	10/18/11		WATER		6	2	X										
(Holding Blank Rcvd 10/21/11)	(10/21/11)	(1641)	(Water)	(Grab)	7	(1)	(X)										

	Parameter and Method	Sample bottle: Type	Size	Preservative
1	TCL 8260 2005 LIST	GLASS	40ML	1:1 HCL
2				
3				
4				
5				
6				
7				
8				
9				
10				

Sampled by (Print): Brian Doyle

Company: GHD, Inc.

Name of Courier:

Relinquished by:(sign)	Date	Time	Received by: (sign)
Brian P. Doyle	10/18/11	16:00	
	10/21/11	1030	
	10/21/11	1030	B Marsh

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)