



**STONY HOLLOW LANDFILL, INC.**  
2460 S. Gettysburg Ave.  
Dayton, OH 45418  
(937) 268-1133  
(937) 267-5110 Fax

January 30, 2017

Ms. Eileen Moran  
Unit Supervisor  
Regional Air Pollution Control Agency  
117 South Main Street  
Dayton, OH 45422

**Re: DIFO Order No. 6 Ambient Air Monitoring – January 25-26, 2017**  
**Stony Hollow Landfill**  
**Facility ID No. 08-57-04-3008**

Dear Ms. Moran:

Stony Hollow Landfill, Inc. (Stony Hollow) contracted with LJB, Inc. (LJB) to perform the ambient air monitoring on the 1 in 6-day schedule as required by the Director's Interim Findings and Orders, dated November 28, 2016. The 24-hour ambient air sampling was performed between January 25-26, 2017 and ALS Environmental performed the USEPA Method TO-15 analysis.

Please find attached to this submittal letter the LJB ambient air monitoring report, which includes the analytical results. Per a review of the analytical results, the measured concentrations within the air samples were below the laboratory reporting limits or the NIOSH RELs.

If you have any questions, please contact the undersigned at (937) 356-6204.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Peter C. Lucas'.

Peter Lucas, P.E.  
District Engineer

cc: Russell Brown, Michelle Ackenhausen - Ohio EPA  
Stony Hollow files



January 27, 2017

Mr. Peter Lucas  
 Waste Management – Stony Hollow Landfill  
 2460 South Gettysburg Avenue  
 Dayton, Ohio 45417

Via email: [plucas2@wm.com](mailto:plucas2@wm.com)

Re: January 25, 2017 ambient air sampling at Stony Hollow Landfill

Dear Mr. Lucas:

On January 25 and 26, 2017 LJB Inc. collected two 24-hour ambient air samples at the Waste Management Stony Hollow Landfill. The samples included AA-13, collected from inside the north fence line of the landfill, and AA-14, collected from inside the south fence line of the landfill. A map of the sample locations is attached. Sample locations were in accordance with the November 28, 2016 Ohio EPA Interim Findings and Orders for Stony Hollow Landfill. Table 1 contains sample equipment and interval details. Note that sample AA-13 was completed approximately 30 minutes prior to the full 24-hour sample interval. This was because the canister pressure had already reached -5" Hg and above that pressure (i.e., with less vacuum remaining in the canister) there is a risk that the flow controller will no longer be able to maintain a stable pressure differential across the critical orifice, resulting in a sample skewed toward air collected early in the sample period.

TABLE 1

SAMPLE NO.	START DATE/TIME	END DATE/TIME	START PRESSURE	END PRESSURE	CANISTER NO.	CONTROLLER NO.
AA-13	01/25/2017 09:30	01/26/2017 09:30	-29" Hg	-5" Hg	109500	108982
AA-14	01/25/2017 09:46	01/26/2017 09:18	-29.5" Hg	-5" Hg	108492	109046

Weather conditions reported for the sample period by the weather station located at Sinclair Community College are shown in the attached graphs, reproduced from the weather station's data page at <https://www.wunderground.com>.

The completed samples were transported by courier from the LJB offices to ALS Environmental laboratory in Cincinnati, Ohio on January 26, 2017 and were analyzed by EPA Method TO-15 the same day per the one-day turnaround time previously arranged. Table 2 provides the summarized sample results. Acetone and chloromethane were detected above laboratory reporting limits in both samples; dichlorodifluoromethane was detected in AA-14 and toluene was detected in AA-13. Concentrations of all compounds were well below the NIOSH RELs for these compounds.

TABLE 2

ANALYTE	AA-13, ppbv	AA-14, ppbv	NIOSH REL, ppbv
1,1,1-Trichloroethane	< 0.50	< 0.50	350,000
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	1,000
1,1,2-Trichloroethane	< 0.50	< 0.50	10,000
1,1-Dichloroethane	< 0.50	< 0.50	100,000
1,1-Dichloroethene	< 0.50	< 0.50	200,000
1,2,4-Trichlorobenzene	< 0.50	< 0.50	5,000
1,2,4-Trimethylbenzene	< 0.50	< 0.50	25,000
1,2-Dibromoethane	< 0.50	< 0.50	45
1,2-Dichlorobenzene	< 0.50	< 0.50	50,000
1,2-Dichloroethane	< 0.50	< 0.50	1,000
1,2-Dichloropropane	< 0.50	< 0.50	75,000
1,3,5-Trimethylbenzene	< 0.50	< 0.50	25,000
1,3-Butadiene	< 0.50	< 0.50	1,000
1,3-Dichlorobenzene	< 0.50	< 0.50	50,000
1,4-Dichlorobenzene	< 0.50	< 0.50	50,000
1,4-Dioxane	< 1.0	< 1.0	NA
2-Butanone	< 0.50	< 0.50	200
2-Hexanone	< 0.50	< 0.50	1,000
2-Propanol	< 1.0	< 1.0	400,000
4-Ethyltoluene	< 0.50	< 0.50	NA
4-Methyl-2-pentanone	< 0.50	< 0.50	50,000
Acetone	<b>2.1</b>	<b>1.4</b>	250,000
Benzene	< 0.50	< 0.50	100
Benzyl chloride	< 0.50	< 0.50	1,000
Bromodichloromethane	< 0.50	< 0.50	NA
Bromoform	< 0.50	< 0.50	500
Bromomethane	< 0.50	< 0.50	20,000
Carbon disulfide	< 0.50	< 0.50	1,000
Carbon tetrachloride	< 0.50	< 0.50	2,000
Chlorobenzene	< 0.50	< 0.50	75,000
Chloroethane	< 0.50	< 0.50	1,000,000
Chloroform	< 0.20	< 0.20	2,000
Chloromethane	<b>0.56</b>	<b>0.65</b>	100,000
cis-1,2-Dichloroethene	< 0.50	< 0.50	200,000
cis-1,3-Dichloropropene	< 0.50	< 0.50	1,000
Cumene	< 0.50	< 0.50	50,000
Cyclohexane	< 0.50	< 0.50	300,000
Dibromochloromethane	< 0.50	< 0.50	NA
Dichlorodifluoromethane	< 0.50	<b>0.57</b>	1,000,000
Ethyl acetate	< 0.50	< 0.50	400,000
Ethylbenzene	< 0.50	< 0.50	100,000
Freon 113	< 0.50	< 0.50	1,000,000
Freon 114	< 0.50	< 0.50	1,000,000
Heptane	< 0.50	< 0.50	85,000
Hexachlorobutadiene	< 0.50	< 0.50	20
Hexane	< 0.50	< 0.50	50,000

Mr. Peter Lucas: January 25, 2017 ambient air sampling  
January 27, 2017  
Page 3

ANALYTE	AA-13, ppbv	AA-14, ppbv	NIOSH REL, ppbv
m,p-Xylene	< 0.50	< 0.50	100,000
Methylene chloride	< 0.50	< 0.50	25,000
MTBE	< 0.50	< 0.50	2,000
Naphthalene	< 0.20	< 0.20	10,000
o-Xylene	< 0.50	< 0.50	100,000
Propene	< 0.50	< 0.50	NA
Styrene	< 0.50	< 0.50	50,000
Tetrachloroethene	< 0.50	< 0.50	100,000
Tetrahydrofuran	< 0.50	< 0.50	200,000
Toluene	<b>0.66</b>	< 0.50	100,000
trans-1,2-Dichloroethene	< 0.50	< 0.50	200,000
trans-1,3-Dichloropropene	< 0.50	< 0.50	1,000
Trichloroethene	< 0.20	< 0.20	100,000
Trichlorofluoromethane	< 0.50	< 0.50	1,000,000
Vinyl acetate	< 0.50	< 0.50	4,000
Vinyl chloride	< 0.50	< 0.50	1,000

The ALS Environmental laboratory report and chain of custody form are attached. Please let me know if you have any questions.

Sincerely,

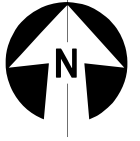
LJB Inc.



Jennifer K. Miller  
Environmental Scientist

Stony Hollow Landfill

Air sample location

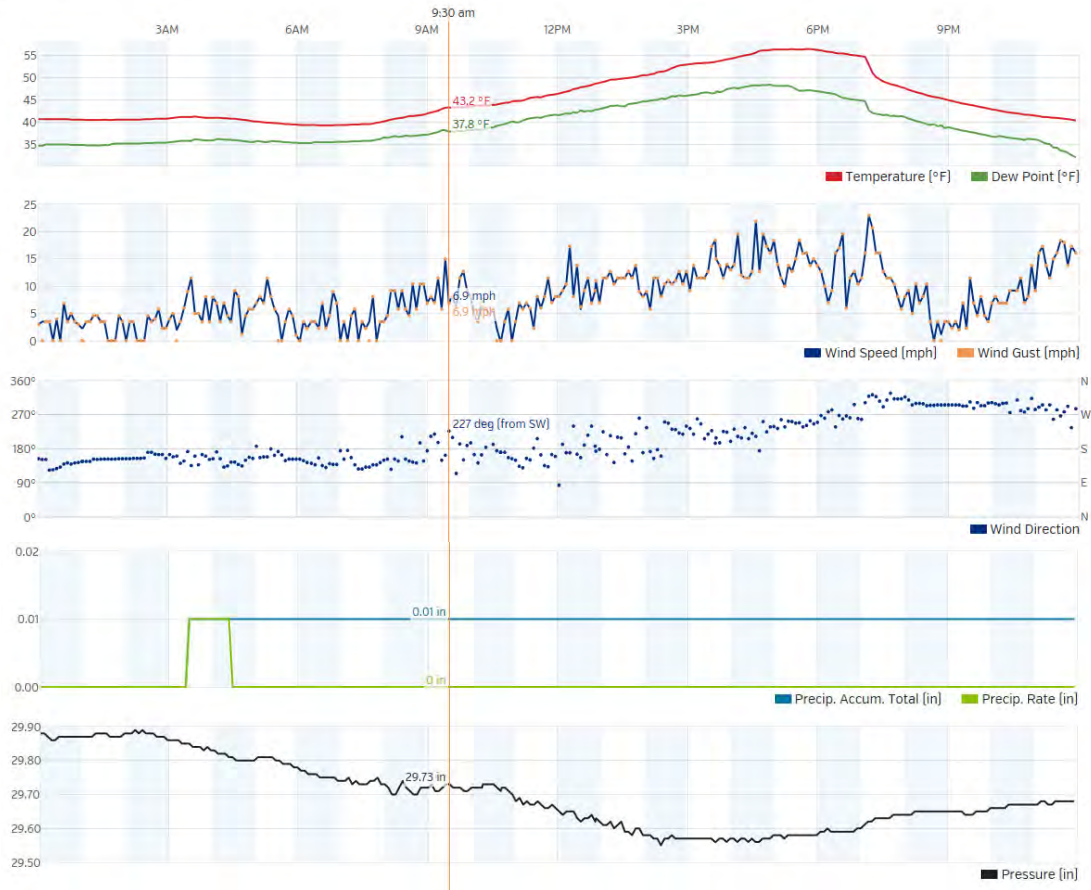


0 200 400 800 Feet

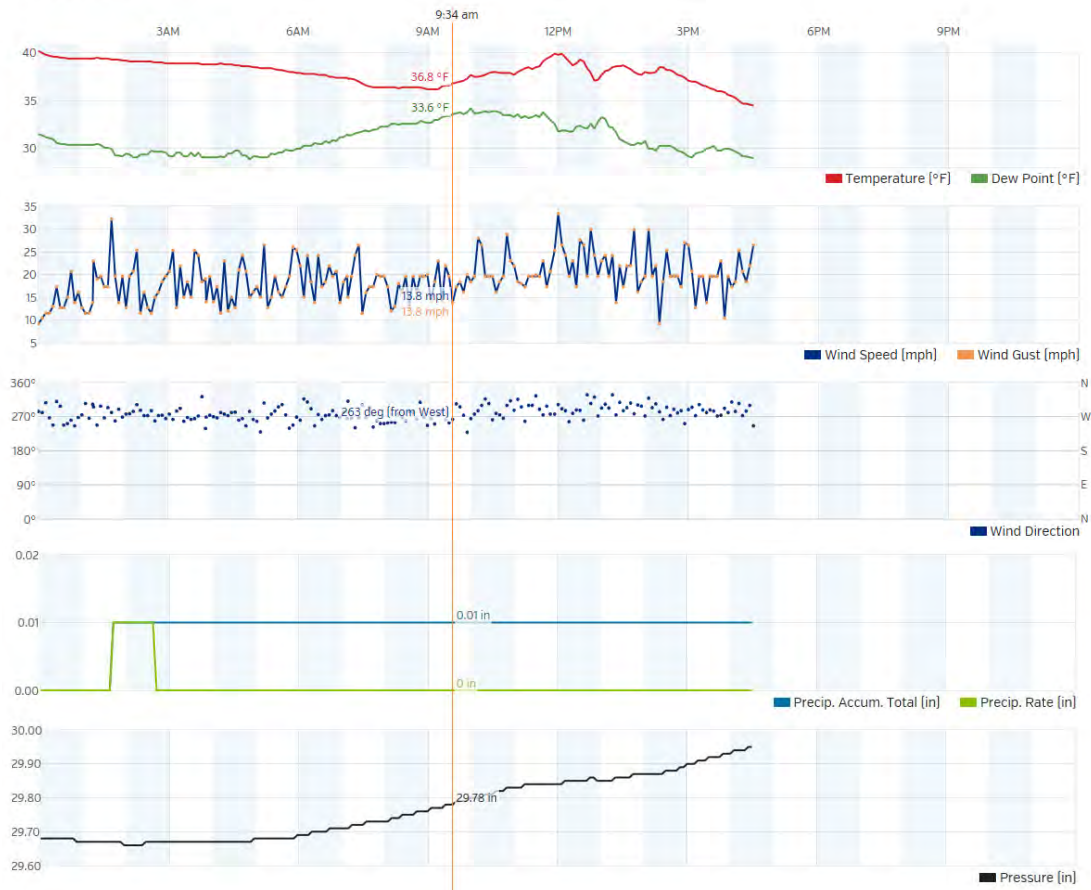
> Waste Management Stony Hollow Landfill  
Ambient Air Sample Locations



**Weather History Graph**  
January 25, 2017



**Weather History Graph**  
January 26, 2017





27-Jan-2017

Jennifer Miller  
Waste Management  
2460 S. Gettysburg Rd  
Dayton, OH 45417

Tel: (937) 689-3638  
Fax:

Re: Stony Hollow Landfill

Work Order: **1701749**

Dear Jennifer,

ALS Environmental received 2 samples on 26-Jan-2017 11:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 16.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

**Rob Nieman**

Electronically approved by: Rob Nieman

Rob Nieman  
Project Manager

ADDRESS 4388 Glendale Milford Rd Cincinnati, Ohio 45242- | PHONE (513) 733-5336 | FAX (513) 733-5347

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**Client:** Waste Management  
**Project:** Stony Hollow Landfill  
**Work Order:** 1701749

**Work Order Sample Summary**

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<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1701749-01	AA-13 N Landfill	Air		1/26/2017	1/26/2017 11:00	<input type="checkbox"/>
1701749-02	AA-14 S Landfill	Air		1/26/2017	1/26/2017 11:00	<input type="checkbox"/>



# ALS Environmental

Date: 27-Jan-17

**Client:** Waste Management  
**Project:** Stony Hollow Landfill  
**Sample ID:** AA-13 N Landfill  
**Collection Date:** 1/26/2017

**Work Order:** 1701749  
**Lab ID:** 1701749-01  
**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TO-15 BY GC/MS</b>			<b>ETO-15</b>			Analyst: <b>LAK</b>
1,1,1-Trichloroethane	ND		0.50	ppbv	1	1/26/2017 04:43 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	1/26/2017 04:43 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	1/26/2017 04:43 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	1/26/2017 04:43 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	1/26/2017 04:43 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	1/26/2017 04:43 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	1/26/2017 04:43 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
1,3-Butadiene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
1,4-Dioxane	ND		1.0	ppbv	1	1/26/2017 04:43 PM
2-Butanone	ND		0.50	ppbv	1	1/26/2017 04:43 PM
2-Hexanone	ND		0.50	ppbv	1	1/26/2017 04:43 PM
2-Propanol	ND		1.0	ppbv	1	1/26/2017 04:43 PM
4-Ethyltoluene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	1/26/2017 04:43 PM
<b>Acetone</b>	<b>2.1</b>		<b>1.0</b>	<b>ppbv</b>	1	1/26/2017 04:43 PM
Benzene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Benzyl chloride	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Bromodichloromethane	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Bromoform	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Bromomethane	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Carbon disulfide	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Carbon tetrachloride	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Chlorobenzene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Chloroethane	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Chloroform	ND		0.20	ppbv	1	1/26/2017 04:43 PM
<b>Chloromethane</b>	<b>0.56</b>		<b>0.50</b>	<b>ppbv</b>	1	1/26/2017 04:43 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Cumene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Cyclohexane	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Dibromochloromethane	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	1/26/2017 04:43 PM

**Note:**

# ALS Environmental

Date: 27-Jan-17

**Client:** Waste Management  
**Project:** Stony Hollow Landfill  
**Sample ID:** AA-13 N Landfill  
**Collection Date:** 1/26/2017

**Work Order:** 1701749  
**Lab ID:** 1701749-01  
**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Ethylbenzene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Freon 113	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Freon 114	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Heptane	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Hexane	ND		0.50	ppbv	1	1/26/2017 04:43 PM
m,p-Xylene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Methylene chloride	ND		0.50	ppbv	1	1/26/2017 04:43 PM
MTBE	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Naphthalene	ND		0.20	ppbv	1	1/26/2017 04:43 PM
o-Xylene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Propene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Styrene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Tetrachloroethene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Tetrahydrofuran	ND		0.50	ppbv	1	1/26/2017 04:43 PM
<b>Toluene</b>	<b>0.66</b>		<b>0.50</b>	<b>ppbv</b>	1	1/26/2017 04:43 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Trichloroethene	ND		0.20	ppbv	1	1/26/2017 04:43 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Vinyl acetate	ND		0.50	ppbv	1	1/26/2017 04:43 PM
Vinyl chloride	ND		0.50	ppbv	1	1/26/2017 04:43 PM
<i>Surr: Bromofluorobenzene</i>	<i>102</i>		<i>60-140</i>	<i>%REC</i>	1	1/26/2017 04:43 PM

## TO-15 BY GC/MS

## ETO-15

Analyst: LAK

1,1,1-Trichloroethane	ND		2.73	µg/m3	1	1/26/2017 04:43 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	1/26/2017 04:43 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	1/26/2017 04:43 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	1/26/2017 04:43 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	1/26/2017 04:43 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	1/26/2017 04:43 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	1/26/2017 04:43 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	1/26/2017 04:43 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	1/26/2017 04:43 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	1/26/2017 04:43 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	1/26/2017 04:43 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	1/26/2017 04:43 PM
1,3-Butadiene	ND		1.11	µg/m3	1	1/26/2017 04:43 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	1/26/2017 04:43 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	1/26/2017 04:43 PM

Note:

# ALS Environmental

Date: 27-Jan-17

**Client:** Waste Management  
**Project:** Stony Hollow Landfill  
**Sample ID:** AA-13 N Landfill  
**Collection Date:** 1/26/2017

**Work Order:** 1701749  
**Lab ID:** 1701749-01  
**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	1/26/2017 04:43 PM
2-Butanone	ND		1.47	µg/m3	1	1/26/2017 04:43 PM
2-Hexanone	ND		2.05	µg/m3	1	1/26/2017 04:43 PM
2-Propanol	ND		2.46	µg/m3	1	1/26/2017 04:43 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	1/26/2017 04:43 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	1/26/2017 04:43 PM
<b>Acetone</b>	<b>4.94</b>		<b>2.38</b>	<b>µg/m3</b>	1	1/26/2017 04:43 PM
Benzene	ND		1.60	µg/m3	1	1/26/2017 04:43 PM
Benzyl chloride	ND		2.59	µg/m3	1	1/26/2017 04:43 PM
Bromodichloromethane	ND		3.35	µg/m3	1	1/26/2017 04:43 PM
Bromoform	ND		5.17	µg/m3	1	1/26/2017 04:43 PM
Bromomethane	ND		1.94	µg/m3	1	1/26/2017 04:43 PM
Carbon disulfide	ND		1.56	µg/m3	1	1/26/2017 04:43 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	1/26/2017 04:43 PM
Chlorobenzene	ND		2.30	µg/m3	1	1/26/2017 04:43 PM
Chloroethane	ND		1.32	µg/m3	1	1/26/2017 04:43 PM
Chloroform	ND		0.976	µg/m3	1	1/26/2017 04:43 PM
<b>Chloromethane</b>	<b>1.16</b>		<b>1.03</b>	<b>µg/m3</b>	1	1/26/2017 04:43 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	1/26/2017 04:43 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/26/2017 04:43 PM
Cumene	ND		2.46	µg/m3	1	1/26/2017 04:43 PM
Cyclohexane	ND		1.72	µg/m3	1	1/26/2017 04:43 PM
Dibromochloromethane	ND		4.26	µg/m3	1	1/26/2017 04:43 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	1/26/2017 04:43 PM
Ethyl acetate	ND		1.80	µg/m3	1	1/26/2017 04:43 PM
Ethylbenzene	ND		2.17	µg/m3	1	1/26/2017 04:43 PM
Freon 113	ND		3.83	µg/m3	1	1/26/2017 04:43 PM
Freon 114	ND		3.50	µg/m3	1	1/26/2017 04:43 PM
Heptane	ND		2.05	µg/m3	1	1/26/2017 04:43 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	1/26/2017 04:43 PM
Hexane	ND		1.76	µg/m3	1	1/26/2017 04:43 PM
m,p-Xylene	ND		2.17	µg/m3	1	1/26/2017 04:43 PM
Methylene chloride	ND		1.74	µg/m3	1	1/26/2017 04:43 PM
MTBE	ND		1.80	µg/m3	1	1/26/2017 04:43 PM
Naphthalene	ND		1.05	µg/m3	1	1/26/2017 04:43 PM
o-Xylene	ND		2.17	µg/m3	1	1/26/2017 04:43 PM
Propene	ND		0.861	µg/m3	1	1/26/2017 04:43 PM
Styrene	ND		2.13	µg/m3	1	1/26/2017 04:43 PM
Tetrachloroethene	ND		3.39	µg/m3	1	1/26/2017 04:43 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	1/26/2017 04:43 PM

**Note:**

**ALS Environmental**

Date: 27-Jan-17

**Client:** Waste Management  
**Project:** Stony Hollow Landfill  
**Sample ID:** AA-13 N Landfill  
**Collection Date:** 1/26/2017

**Work Order:** 1701749  
**Lab ID:** 1701749-01  
**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Toluene</b>	<b>2.49</b>		<b>1.88</b>	<b>µg/m3</b>	1	1/26/2017 04:43 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	1/26/2017 04:43 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/26/2017 04:43 PM
Trichloroethene	ND		1.07	µg/m3	1	1/26/2017 04:43 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	1/26/2017 04:43 PM
Vinyl acetate	ND		1.76	µg/m3	1	1/26/2017 04:43 PM
Vinyl chloride	ND		1.28	µg/m3	1	1/26/2017 04:43 PM
<i>Surr: Bromofluorobenzene</i>	<i>102</i>		<i>60-140</i>	<i>%REC</i>	1	1/26/2017 04:43 PM

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**Note:**

# ALS Environmental

Date: 27-Jan-17

**Client:** Waste Management  
**Project:** Stony Hollow Landfill  
**Sample ID:** AA-14 S Landfill  
**Collection Date:** 1/26/2017

**Work Order:** 1701749  
**Lab ID:** 1701749-02  
**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TO-15 BY GC/MS</b>			<b>ETO-15</b>			<b>Analyst: LAK</b>
1,1,1-Trichloroethane	ND		0.50	ppbv	1	1/26/2017 07:02 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	1/26/2017 07:02 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	1/26/2017 07:02 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	1/26/2017 07:02 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	1/26/2017 07:02 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	1/26/2017 07:02 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	1/26/2017 07:02 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
1,3-Butadiene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
1,4-Dioxane	ND		1.0	ppbv	1	1/26/2017 07:02 PM
2-Butanone	ND		0.50	ppbv	1	1/26/2017 07:02 PM
2-Hexanone	ND		0.50	ppbv	1	1/26/2017 07:02 PM
2-Propanol	ND		1.0	ppbv	1	1/26/2017 07:02 PM
4-Ethyltoluene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	1/26/2017 07:02 PM
<b>Acetone</b>	<b>1.4</b>		<b>1.0</b>	<b>ppbv</b>	1	1/26/2017 07:02 PM
Benzene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Benzyl chloride	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Bromodichloromethane	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Bromoform	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Bromomethane	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Carbon disulfide	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Carbon tetrachloride	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Chlorobenzene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Chloroethane	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Chloroform	ND		0.20	ppbv	1	1/26/2017 07:02 PM
<b>Chloromethane</b>	<b>0.65</b>		<b>0.50</b>	<b>ppbv</b>	1	1/26/2017 07:02 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Cumene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Cyclohexane	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Dibromochloromethane	ND		0.50	ppbv	1	1/26/2017 07:02 PM
<b>Dichlorodifluoromethane</b>	<b>0.57</b>		<b>0.50</b>	<b>ppbv</b>	1	1/26/2017 07:02 PM

Note:

# ALS Environmental

Date: 27-Jan-17

**Client:** Waste Management  
**Project:** Stony Hollow Landfill  
**Sample ID:** AA-14 S Landfill  
**Collection Date:** 1/26/2017

**Work Order:** 1701749  
**Lab ID:** 1701749-02  
**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Ethylbenzene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Freon 113	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Freon 114	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Heptane	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Hexane	ND		0.50	ppbv	1	1/26/2017 07:02 PM
m,p-Xylene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Methylene chloride	ND		0.50	ppbv	1	1/26/2017 07:02 PM
MTBE	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Naphthalene	ND		0.20	ppbv	1	1/26/2017 07:02 PM
o-Xylene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Propene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Styrene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Tetrachloroethene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Tetrahydrofuran	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Toluene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Trichloroethene	ND		0.20	ppbv	1	1/26/2017 07:02 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Vinyl acetate	ND		0.50	ppbv	1	1/26/2017 07:02 PM
Vinyl chloride	ND		0.50	ppbv	1	1/26/2017 07:02 PM
<i>Surr: Bromofluorobenzene</i>	104		60-140	%REC	1	1/26/2017 07:02 PM

## TO-15 BY GC/MS

## ETO-15

Analyst: LAK

1,1,1-Trichloroethane	ND		2.73	µg/m3	1	1/26/2017 07:02 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	1/26/2017 07:02 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	1/26/2017 07:02 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	1/26/2017 07:02 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	1/26/2017 07:02 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	1/26/2017 07:02 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	1/26/2017 07:02 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	1/26/2017 07:02 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	1/26/2017 07:02 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	1/26/2017 07:02 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	1/26/2017 07:02 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	1/26/2017 07:02 PM
1,3-Butadiene	ND		1.11	µg/m3	1	1/26/2017 07:02 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	1/26/2017 07:02 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	1/26/2017 07:02 PM

**Note:**

# ALS Environmental

Date: 27-Jan-17

**Client:** Waste Management  
**Project:** Stony Hollow Landfill  
**Sample ID:** AA-14 S Landfill  
**Collection Date:** 1/26/2017

**Work Order:** 1701749  
**Lab ID:** 1701749-02  
**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	1/26/2017 07:02 PM
2-Butanone	ND		1.47	µg/m3	1	1/26/2017 07:02 PM
2-Hexanone	ND		2.05	µg/m3	1	1/26/2017 07:02 PM
2-Propanol	ND		2.46	µg/m3	1	1/26/2017 07:02 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	1/26/2017 07:02 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	1/26/2017 07:02 PM
<b>Acetone</b>	<b>3.33</b>		<b>2.38</b>	<b>µg/m3</b>	1	1/26/2017 07:02 PM
Benzene	ND		1.60	µg/m3	1	1/26/2017 07:02 PM
Benzyl chloride	ND		2.59	µg/m3	1	1/26/2017 07:02 PM
Bromodichloromethane	ND		3.35	µg/m3	1	1/26/2017 07:02 PM
Bromoform	ND		5.17	µg/m3	1	1/26/2017 07:02 PM
Bromomethane	ND		1.94	µg/m3	1	1/26/2017 07:02 PM
Carbon disulfide	ND		1.56	µg/m3	1	1/26/2017 07:02 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	1/26/2017 07:02 PM
Chlorobenzene	ND		2.30	µg/m3	1	1/26/2017 07:02 PM
Chloroethane	ND		1.32	µg/m3	1	1/26/2017 07:02 PM
Chloroform	ND		0.976	µg/m3	1	1/26/2017 07:02 PM
<b>Chloromethane</b>	<b>1.34</b>		<b>1.03</b>	<b>µg/m3</b>	1	1/26/2017 07:02 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	1/26/2017 07:02 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/26/2017 07:02 PM
Cumene	ND		2.46	µg/m3	1	1/26/2017 07:02 PM
Cyclohexane	ND		1.72	µg/m3	1	1/26/2017 07:02 PM
Dibromochloromethane	ND		4.26	µg/m3	1	1/26/2017 07:02 PM
<b>Dichlorodifluoromethane</b>	<b>2.82</b>		<b>2.47</b>	<b>µg/m3</b>	1	1/26/2017 07:02 PM
Ethyl acetate	ND		1.80	µg/m3	1	1/26/2017 07:02 PM
Ethylbenzene	ND		2.17	µg/m3	1	1/26/2017 07:02 PM
Freon 113	ND		3.83	µg/m3	1	1/26/2017 07:02 PM
Freon 114	ND		3.50	µg/m3	1	1/26/2017 07:02 PM
Heptane	ND		2.05	µg/m3	1	1/26/2017 07:02 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	1/26/2017 07:02 PM
Hexane	ND		1.76	µg/m3	1	1/26/2017 07:02 PM
m,p-Xylene	ND		2.17	µg/m3	1	1/26/2017 07:02 PM
Methylene chloride	ND		1.74	µg/m3	1	1/26/2017 07:02 PM
MTBE	ND		1.80	µg/m3	1	1/26/2017 07:02 PM
Naphthalene	ND		1.05	µg/m3	1	1/26/2017 07:02 PM
o-Xylene	ND		2.17	µg/m3	1	1/26/2017 07:02 PM
Propene	ND		0.861	µg/m3	1	1/26/2017 07:02 PM
Styrene	ND		2.13	µg/m3	1	1/26/2017 07:02 PM
Tetrachloroethene	ND		3.39	µg/m3	1	1/26/2017 07:02 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	1/26/2017 07:02 PM

**Note:**

**ALS Environmental**

Date: 27-Jan-17

**Client:** Waste Management  
**Project:** Stony Hollow Landfill  
**Sample ID:** AA-14 S Landfill  
**Collection Date:** 1/26/2017

**Work Order:** 1701749  
**Lab ID:** 1701749-02  
**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	ND		1.88	µg/m3	1	1/26/2017 07:02 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	1/26/2017 07:02 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	1/26/2017 07:02 PM
Trichloroethene	ND		1.07	µg/m3	1	1/26/2017 07:02 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	1/26/2017 07:02 PM
Vinyl acetate	ND		1.76	µg/m3	1	1/26/2017 07:02 PM
Vinyl chloride	ND		1.28	µg/m3	1	1/26/2017 07:02 PM
<i>Surr: Bromofluorobenzene</i>	104		60-140	%REC	1	1/26/2017 07:02 PM

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**Note:**



ALS Environmental

Date: 27-Jan-17

Client: Waste Management

QC BATCH REPORT

Work Order: 1701749

Project: Stony Hollow Landfill

Batch ID: R137091

Instrument ID: VMS4

Method: ETO-15

mbk		Sample ID: MBLK-R137091			Units: ppbv		Analysis Date: 1/26/2017 03:14 PM			
Client ID:		Run ID: VMS4_170126A			SeqNo: 1437148		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	0.50								
1,1,2,2-Tetrachloroethane	ND	0.50								
1,1,2-Trichloroethane	ND	0.50								
1,1-Dichloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
1,2,4-Trichlorobenzene	ND	0.50								
1,2,4-Trimethylbenzene	ND	0.50								
1,2-Dibromoethane	ND	0.50								
1,2-Dichlorobenzene	ND	0.50								
1,2-Dichloroethane	ND	0.50								
1,2-Dichloropropane	ND	0.50								
1,3,5-Trimethylbenzene	ND	0.50								
1,3-Butadiene	ND	0.50								
1,3-Dichlorobenzene	ND	0.50								
1,4-Dichlorobenzene	ND	0.50								
1,4-Dioxane	ND	1.0								
2-Butanone	ND	0.50								
2-Hexanone	ND	0.50								
2-Propanol	ND	1.0								
4-Ethyltoluene	ND	0.50								
4-Methyl-2-pentanone	ND	0.50								
Acetone	ND	1.0								
Benzene	ND	0.50								
Benzyl chloride	ND	0.50								
Bromodichloromethane	ND	0.50								
Bromoform	ND	0.50								
Bromomethane	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.50								
Chlorobenzene	ND	0.50								
Chloroethane	ND	0.50								
Chloroform	ND	0.20								
Chloromethane	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
cis-1,3-Dichloropropene	ND	0.50								
Cumene	ND	0.50								
Cyclohexane	ND	0.50								
Dibromochloromethane	ND	0.50								
Dichlorodifluoromethane	ND	0.50								
Ethyl acetate	ND	0.50								
Ethylbenzene	ND	0.50								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Waste Management  
**Work Order:** 1701749  
**Project:** Stony Hollow Landfill

# QC BATCH REPORT

Batch ID: <b>R137091</b>	Instrument ID: <b>VMS4</b>	Method: <b>ETO-15</b>						
Freon 113	ND	0.50						
Freon 114	ND	0.50						
Heptane	ND	0.50						
Hexachlorobutadiene	ND	0.50						
Hexane	ND	0.50						
m,p-Xylene	ND	0.50						
Methylene chloride	ND	0.50						
MTBE	ND	0.50						
Naphthalene	ND	0.20						
o-Xylene	ND	0.50						
Propene	ND	0.50						
Styrene	ND	0.50						
Tetrachloroethene	ND	0.50						
Tetrahydrofuran	ND	0.50						
Toluene	ND	0.50						
trans-1,2-Dichloroethene	ND	0.50						
trans-1,3-Dichloropropene	ND	0.50						
Trichloroethene	ND	0.20						
Trichlorofluoromethane	ND	0.50						
Vinyl acetate	ND	0.50						
Vinyl chloride	ND	0.50						
<i>Surr: Bromofluorobenzene</i>	10.24	0	10	0	102	60-140	0	

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Waste Management  
 Work Order: 1701749  
 Project: Stony Hollow Landfill

# QC BATCH REPORT

Batch ID: R137091 Instrument ID: VMS4 Method: ETO-15

ics		Sample ID: LCS-R137091			Units: ppbv		Analysis Date: 1/26/2017 02:30 PM			
Client ID:		Run ID: VMS4_170126A			SeqNo: 1437147		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	9.38	0.50	10	0	93.8	58.8-163	0			
1,1,2,2-Tetrachloroethane	9.68	0.50	10	0	96.8	60-140	0			
1,1,2-Trichloroethane	9.38	0.50	10	0	93.8	60-140	0			
1,1-Dichloroethane	9.24	0.50	10	0	92.4	60-140	0			
1,1-Dichloroethene	9.32	0.50	10	0	93.2	60-140	0			
1,2,4-Trichlorobenzene	8.03	0.50	10	0	80.3	49.3-150	0			
1,2,4-Trimethylbenzene	9.54	0.50	10	0	95.4	50.1-162	0			
1,2-Dibromoethane	9.59	0.50	10	0	95.9	60-140	0			
1,2-Dichlorobenzene	9.45	0.50	10	0	94.5	41.9-141	0			
1,2-Dichloroethane	9.45	0.50	10	0	94.5	60-140	0			
1,2-Dichloropropane	9.43	0.50	10	0	94.3	60-140	0			
1,3,5-Trimethylbenzene	9.63	0.50	10	0	96.3	60-140	0			
1,3-Butadiene	9.51	0.50	10	0	95.1	50.6-140	0			
1,3-Dichlorobenzene	9.43	0.50	10	0	94.3	60-140	0			
1,4-Dichlorobenzene	9.21	0.50	10	0	92.1	55.1-145	0			
1,4-Dioxane	8.3	1.0	10	0	83	60-140	0			
2-Butanone	9.33	0.50	10	0	93.3	60-140	0			
2-Hexanone	8.28	0.50	10	0	82.8	56.2-162	0			
2-Propanol	8.71	1.0	10	0	87.1	60-140	0			
4-Ethyltoluene	9.66	0.50	10	0	96.6	60-140	0			
4-Methyl-2-pentanone	9.06	0.50	10	0	90.6	60-140	0			
Acetone	8.26	1.0	10	0	82.6	60-140	0			
Benzene	9.12	0.50	10	0	91.2	60-140	0			
Benzyl chloride	9.16	0.50	10	0	91.6	31.9-174	0			
Bromodichloromethane	9.66	0.50	10	0	96.6	60-140	0			
Bromoform	10.22	0.50	10	0	102	60-140	0			
Bromomethane	9.28	0.50	10	0	92.8	60-140	0			
Carbon disulfide	9.39	0.50	10	0	93.9	60-140	0			
Carbon tetrachloride	9.56	0.50	10	0	95.6	60-140	0			
Chlorobenzene	9.56	0.50	10	0	95.6	60-140	0			
Chloroethane	9.25	0.50	10	0	92.5	60-140	0			
Chloroform	9.34	0.20	10	0	93.4	60-140	0			
Chloromethane	8.97	0.50	10	0	89.7	60-140	0			
cis-1,2-Dichloroethene	9.33	0.50	10	0	93.3	60-140	0			
cis-1,3-Dichloropropene	9.4	0.50	10	0	94	60-140	0			
Cumene	9.63	0.50	10	0	96.3	60-140	0			
Cyclohexane	9.25	0.50	10	0	92.5	60-140	0			
Dibromochloromethane	9.87	0.50	10	0	98.7	60-140	0			
Dichlorodifluoromethane	9.38	0.50	10	0	93.8	60-140	0			
Ethyl acetate	9.33	0.50	10	0	93.3	60-140	0			
Ethylbenzene	9.56	0.50	10	0	95.6	60-140	0			
Freon 113	9.3	0.50	10	0	93	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Waste Management  
**Work Order:** 1701749  
**Project:** Stony Hollow Landfill

## QC BATCH REPORT

Batch ID: <b>R137091</b>	Instrument ID: <b>VMS4</b>		Method: <b>ETO-15</b>					
Freon 114	9.4	0.50	10	0	94	60-140	0	
Heptane	9.12	0.50	10	0	91.2	60-140	0	
Hexachlorobutadiene	9.23	0.50	10	0	92.3	60-140	0	
Hexane	9.19	0.50	10	0	91.9	60-140	0	
m,p-Xylene	19.46	0.50	20	0	97.3	60-140	0	
Methylene chloride	8.68	0.50	10	0	86.8	60-140	0	
MTBE	9.04	0.50	10	0	90.4	60.8-151	0	
Naphthalene	7.38	0.20	10	0	73.8	53.1-152	0	
o-Xylene	9.65	0.50	10	0	96.5	60-140	0	
Propene	9.08	0.50	10	0	90.8	34.4-139	0	
Styrene	9.75	0.50	10	0	97.5	60-140	0	
Tetrachloroethene	9.35	0.50	10	0	93.5	60-140	0	
Tetrahydrofuran	8.97	0.50	10	0	89.7	60-140	0	
Toluene	9.38	0.50	10	0	93.8	60-140	0	
trans-1,2-Dichloroethene	9.39	0.50	10	0	93.9	60-140	0	
trans-1,3-Dichloropropene	9.56	0.50	10	0	95.6	60-140	0	
Trichloroethene	9.23	0.20	10	0	92.3	60-140	0	
Trichlorofluoromethane	9.34	0.50	10	0	93.4	60-140	0	
Vinyl acetate	9.2	0.50	10	0	92	48.4-145	0	
Vinyl chloride	8.94	0.50	10	0	89.4	60-140	0	
Surr: Bromofluorobenzene	10.09	0	10	0	101	60-140	0	

The following samples were analyzed in this batch:

1701749-01A	1701749-02A
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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Waste Management  
**Project:** Stony Hollow Landfill  
**WorkOrder:** 1701749

**QUALIFIERS,  
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SDL	Sample Detection Limit
SW	SW-846 Method

<u>Units Reported</u>	<u>Description</u>
µg/m <sup>3</sup>	
ppbv	

Sample Receipt Checklist

Client Name: STONYHOLLOWLANDFILL-DAY

Date/Time Received: 26-Jan-17 11:00

Work Order: 1701749

Received by: MCF

Checklist completed by: Jan Wilcox 26-Jan-17
eSignature Date

Reviewed by: Rob Nieman 27-Jan-17
eSignature Date

Matrices:

Carrier name: ALSHN

- Shipping container/cooler in good condition? Yes [checked] No [ ] Not Present [ ]
Custody seals intact on shipping container/cooler? Yes [checked] No [ ] Not Present [ ]
Custody seals intact on sample bottles? Yes [ ] No [ ] Not Present [checked]
Chain of custody present? Yes [checked] No [ ]
Chain of custody signed when relinquished and received? Yes [checked] No [ ]
Chain of custody agrees with sample labels? Yes [checked] No [ ]
Samples in proper container/bottle? Yes [checked] No [ ]
Sample containers intact? Yes [checked] No [ ]
Sufficient sample volume for indicated test? Yes [checked] No [ ]
All samples received within holding time? Yes [checked] No [ ]
Container/Temp Blank temperature in compliance? Yes [checked] No [ ]

Temperature(s)/Thermometer(s): [ ] [ ]

Cooler(s)/Kit(s): [ ]

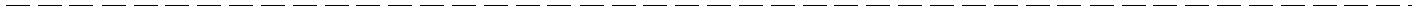
Water - VOA vials have zero headspace? Yes [ ] No [ ] No VOA vials submitted [ ]

Water - pH acceptable upon receipt? Yes [ ] No [ ] N/A [ ]

pH adjusted? Yes [ ] No [ ] N/A [ ]

pH adjusted by: [ ]

Login Notes:



Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments: [ ]

CorrectiveAction: [ ]



Ship To: **ALS | Environmental**  
 4388 Glendale Millford Rd.  
 Cincinnati, Ohio 45242  
 Phone: (513) 733-5336  
 Fax: (513) 733-5347

# Field Chain-of-Custody Record

1701749

REGULAR Status  RUSH Status RESULTS REQUIRED BY: (Date) 1 day turn  
 CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES  
 OH VAP:  YES  NO BUSTR:  YES  NO

Date: 01/26/2017 Purchase Order No.: per Peter Lucas  
 Company Name: LJB Inc. Project No.: of Waste Mgt  
 Address: 2500 Newmark Dr Sampling Site: Story Hollow Landfill  
Miamisburg OH 45342  
 City State Zip  
 Person to Contact: Jennifer Miller Billing Address (if different): W.M.  
 Email Address: jmillers@ljbiac.com  
 Telephone (937): 259-5048 or  
 Alternate Contact: 937-689-3638

Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	ANALYSIS REQUESTED																	
	A	1	X																	
	A	1	X																	

ALS Lab ID	Sample ID / Description	Date	Time
01	AA-13 N Landfill	01/25/2017 or 01/26/2017	0930-0930
02	AA-14 S Landfill	↓	0946-0918

Notes:

Preservation Key: 1 - HCl 2 - HNO<sub>3</sub> 3 - H<sub>2</sub>SO<sub>4</sub> 4 - NaOH 5 - Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 6 - NaHSO<sub>3</sub> 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C Matrix Key: A - Air B - Bulk S - Soil W - Water

**Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.**

Relinquished By: (Signature) <u>Chris K. Miller</u>	Time / Date <u>1022 01/26/2017</u>	Received By: (Signature) <u>J. Citalo</u>	Time / Date <u>10:23 a.m 1-26-17</u>
Relinquished By: (Signature)	Time / Date	Received By: (Signature) <u>Christie Freer</u>	Time / Date <u>1100 1-26-17</u>
Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date

ALS LAB USE ONLY

COOLER TEMP: - °C pH ADJUSTMENTS:

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS  
 STD MAIL PRY MAIL ALS COURIER OTHER:

CUSTODY SEALS: NONE COOLER PACKAGE SAMPLES

EQUIP. RETURNED: