



01-Nov-2016

Stephanie Madden  
RAPCA / Combined Health District  
117 S. Main Street  
Dayton, OH 45422

Tel: (937) 225-5922  
Fax: 937-225-3486

Re: Stony Hollow

Work Order: **16101048**

Dear Stephanie,

ALS Environmental received 3 samples on 28-Oct-2016 03:20 PM 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 22.

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

Sincerely,

**Shawn Smythe**

Electronically approved by: Shawn Smythe

Shawn Smythe  
Project Manager

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

ALS GROUP USA, CORP. Part of the ALS Group An ALS Limited Company

Environmental

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER

---

**Client:** RAPCA / Combined Health District  
**Project:** Stony Hollow  
**Work Order:** 16101048

**Work Order Sample Summary**

---

<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>
16101048-01	SC4	Air		10/27/2016 11:30	10/28/2016 15:20	<input type="checkbox"/>
16101048-02	SC5	Air		10/28/2016 08:00	10/28/2016 15:20	<input type="checkbox"/>
16101048-03	SC6	Air		10/28/2016 08:05	10/28/2016 15:20	<input type="checkbox"/>

---

**Client:** RAPCA / Combined Health District  
**Project:** Stony Hollow  
**Work Order:** 16101048

**Case Narrative**

---

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

Results relate only to the items tested and are not blank corrected unless indicated.

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 Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

# ALS Environmental

Date: 01-Nov-16

**Client:** RAPCA / Combined Health District

**Project:** Stony Hollow

**Work Order:** 16101048

**Sample ID:** SC4

**Lab ID:** 16101048-01

**Collection Date:** 10/27/2016 11:30 AM

**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>MRJ</b>
1,1,1-Trichloroethane	ND		0.50	ppbv	1	10/28/2016 04:23 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	10/28/2016 04:23 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	10/28/2016 04:23 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	10/28/2016 04:23 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	10/28/2016 04:23 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	10/28/2016 04:23 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	10/28/2016 04:23 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
1,3-Butadiene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
1,4-Dioxane	ND		1.0	ppbv	1	10/28/2016 04:23 PM
2-Butanone	ND		0.50	ppbv	1	10/28/2016 04:23 PM
2-Hexanone	ND		0.50	ppbv	1	10/28/2016 04:23 PM
2-Propanol	ND		1.0	ppbv	1	10/28/2016 04:23 PM
4-Ethyltoluene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	10/28/2016 04:23 PM
<b>Acetone</b>	<b>2.2</b>		<b>1.0</b>	<b>ppbv</b>	1	10/28/2016 04:23 PM
Benzene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Benzyl chloride	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Bromodichloromethane	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Bromoform	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Bromomethane	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Carbon disulfide	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Carbon tetrachloride	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Chlorobenzene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Chloroethane	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Chloroform	ND		0.20	ppbv	1	10/28/2016 04:23 PM
Chloromethane	ND		0.50	ppbv	1	10/28/2016 04:23 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Cumene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Cyclohexane	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Dibromochloromethane	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	10/28/2016 04:23 PM

**Note:**

# ALS Environmental

Date: 01-Nov-16

**Client:** RAPCA / Combined Health District

**Project:** Stony Hollow

**Work Order:** 16101048

**Sample ID:** SC4

**Lab ID:** 16101048-01

**Collection Date:** 10/27/2016 11:30 AM

**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Ethylbenzene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Freon 113	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Freon 114	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Heptane	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Hexane	ND		0.50	ppbv	1	10/28/2016 04:23 PM
m,p-Xylene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Methylene chloride	ND		0.50	ppbv	1	10/28/2016 04:23 PM
MTBE	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Naphthalene	ND		0.20	ppbv	1	10/28/2016 04:23 PM
o-Xylene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
<b>Propene</b>	<b>0.98</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 04:23 PM
Styrene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Tetrachloroethene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Tetrahydrofuran	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Toluene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Trichloroethene	ND		0.20	ppbv	1	10/28/2016 04:23 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Vinyl acetate	ND		0.50	ppbv	1	10/28/2016 04:23 PM
Vinyl chloride	ND		0.50	ppbv	1	10/28/2016 04:23 PM
<i>Surr: Bromofluorobenzene</i>	96.6		60-140	%REC	1	10/28/2016 04:23 PM

**TO-15 BY GC/MS**

**ETO-15**

Analyst: MRJ

1,1,1-Trichloroethane	ND		2.73	µg/m3	1	10/28/2016 04:23 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	10/28/2016 04:23 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	10/28/2016 04:23 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	10/28/2016 04:23 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	10/28/2016 04:23 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	10/28/2016 04:23 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	10/28/2016 04:23 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	10/28/2016 04:23 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	10/28/2016 04:23 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	10/28/2016 04:23 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	10/28/2016 04:23 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	10/28/2016 04:23 PM
1,3-Butadiene	ND		1.11	µg/m3	1	10/28/2016 04:23 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	10/28/2016 04:23 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	10/28/2016 04:23 PM

**Note:**

# ALS Environmental

Date: 01-Nov-16

**Client:** RAPCA / Combined Health District

**Project:** Stony Hollow

**Work Order:** 16101048

**Sample ID:** SC4

**Lab ID:** 16101048-01

**Collection Date:** 10/27/2016 11:30 AM

**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	10/28/2016 04:23 PM
2-Butanone	ND		1.47	µg/m3	1	10/28/2016 04:23 PM
2-Hexanone	ND		2.05	µg/m3	1	10/28/2016 04:23 PM
2-Propanol	ND		2.46	µg/m3	1	10/28/2016 04:23 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	10/28/2016 04:23 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	10/28/2016 04:23 PM
<b>Acetone</b>	<b>5.11</b>		<b>2.38</b>	<b>µg/m3</b>	1	10/28/2016 04:23 PM
Benzene	ND		1.60	µg/m3	1	10/28/2016 04:23 PM
Benzyl chloride	ND		2.59	µg/m3	1	10/28/2016 04:23 PM
Bromodichloromethane	ND		3.35	µg/m3	1	10/28/2016 04:23 PM
Bromoform	ND		5.17	µg/m3	1	10/28/2016 04:23 PM
Bromomethane	ND		1.94	µg/m3	1	10/28/2016 04:23 PM
Carbon disulfide	ND		1.56	µg/m3	1	10/28/2016 04:23 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	10/28/2016 04:23 PM
Chlorobenzene	ND		2.30	µg/m3	1	10/28/2016 04:23 PM
Chloroethane	ND		1.32	µg/m3	1	10/28/2016 04:23 PM
Chloroform	ND		0.976	µg/m3	1	10/28/2016 04:23 PM
Chloromethane	ND		1.03	µg/m3	1	10/28/2016 04:23 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	10/28/2016 04:23 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	10/28/2016 04:23 PM
Cumene	ND		2.46	µg/m3	1	10/28/2016 04:23 PM
Cyclohexane	ND		1.72	µg/m3	1	10/28/2016 04:23 PM
Dibromochloromethane	ND		4.26	µg/m3	1	10/28/2016 04:23 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	10/28/2016 04:23 PM
Ethyl acetate	ND		1.80	µg/m3	1	10/28/2016 04:23 PM
Ethylbenzene	ND		2.17	µg/m3	1	10/28/2016 04:23 PM
Freon 113	ND		3.83	µg/m3	1	10/28/2016 04:23 PM
Freon 114	ND		3.50	µg/m3	1	10/28/2016 04:23 PM
Heptane	ND		2.05	µg/m3	1	10/28/2016 04:23 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	10/28/2016 04:23 PM
Hexane	ND		1.76	µg/m3	1	10/28/2016 04:23 PM
m,p-Xylene	ND		2.17	µg/m3	1	10/28/2016 04:23 PM
Methylene chloride	ND		1.74	µg/m3	1	10/28/2016 04:23 PM
MTBE	ND		1.80	µg/m3	1	10/28/2016 04:23 PM
Naphthalene	ND		1.05	µg/m3	1	10/28/2016 04:23 PM
o-Xylene	ND		2.17	µg/m3	1	10/28/2016 04:23 PM
<b>Propene</b>	<b>1.69</b>		<b>0.861</b>	<b>µg/m3</b>	1	10/28/2016 04:23 PM
Styrene	ND		2.13	µg/m3	1	10/28/2016 04:23 PM
Tetrachloroethene	ND		3.39	µg/m3	1	10/28/2016 04:23 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	10/28/2016 04:23 PM

**Note:**

**ALS Environmental**

Date: 01-Nov-16

**Client:** RAPCA / Combined Health District**Project:** Stony Hollow**Work Order:** 16101048**Sample ID:** SC4**Lab ID:** 16101048-01**Collection Date:** 10/27/2016 11:30 AM**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	ND		1.88	µg/m3	1	10/28/2016 04:23 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	10/28/2016 04:23 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	10/28/2016 04:23 PM
Trichloroethene	ND		1.07	µg/m3	1	10/28/2016 04:23 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	10/28/2016 04:23 PM
Vinyl acetate	ND		1.76	µg/m3	1	10/28/2016 04:23 PM
Vinyl chloride	ND		1.28	µg/m3	1	10/28/2016 04:23 PM
Surr: Bromofluorobenzene	96.6		60-140	%REC	1	10/28/2016 04:23 PM

**Note:**

# ALS Environmental

Date: 01-Nov-16

**Client:** RAPCA / Combined Health District

**Project:** Stony Hollow

**Work Order:** 16101048

**Sample ID:** SC5

**Lab ID:** 16101048-02

**Collection Date:** 10/28/2016 08:00 AM

**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>MRJ</b>
1,1,1-Trichloroethane	ND		0.50	ppbv	1	10/28/2016 05:01 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	10/28/2016 05:01 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	10/28/2016 05:01 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	10/28/2016 05:01 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
<b>1,2,4-Trimethylbenzene</b>	<b>0.75</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:01 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	10/28/2016 05:01 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	10/28/2016 05:01 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	10/28/2016 05:01 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
1,3-Butadiene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
1,4-Dioxane	ND		1.0	ppbv	1	10/28/2016 05:01 PM
<b>2-Butanone</b>	<b>9.2</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:01 PM
2-Hexanone	ND		0.50	ppbv	1	10/28/2016 05:01 PM
<b>2-Propanol</b>	<b>13</b>		<b>1.0</b>	<b>ppbv</b>	1	10/28/2016 05:01 PM
4-Ethyltoluene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
<b>4-Methyl-2-pentanone</b>	<b>0.56</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:01 PM
<b>Acetone</b>	<b>19</b>		<b>1.0</b>	<b>ppbv</b>	1	10/28/2016 05:01 PM
<b>Benzene</b>	<b>24</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:01 PM
Benzyl chloride	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Bromodichloromethane	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Bromoform	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Bromomethane	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Carbon disulfide	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Carbon tetrachloride	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Chlorobenzene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Chloroethane	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Chloroform	ND		0.20	ppbv	1	10/28/2016 05:01 PM
<b>Chloromethane</b>	<b>0.64</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:01 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Cumene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Cyclohexane	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Dibromochloromethane	ND		0.50	ppbv	1	10/28/2016 05:01 PM
<b>Dichlorodifluoromethane</b>	<b>0.52</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:01 PM

Note:



# ALS Environmental

Date: 01-Nov-16

**Client:** RAPCA / Combined Health District

**Project:** Stony Hollow

**Work Order:** 16101048

**Sample ID:** SC5

**Lab ID:** 16101048-02

**Collection Date:** 10/28/2016 08:00 AM

**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	10/28/2016 05:01 PM
<b>Ethylbenzene</b>	<b>1.8</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:01 PM
Freon 113	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Freon 114	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Heptane	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Hexane	ND		0.50	ppbv	1	10/28/2016 05:01 PM
<b>m,p-Xylene</b>	<b>3.5</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:01 PM
Methylene chloride	ND		0.50	ppbv	1	10/28/2016 05:01 PM
MTBE	ND		0.50	ppbv	1	10/28/2016 05:01 PM
<b>Naphthalene</b>	<b>0.23</b>		<b>0.20</b>	<b>ppbv</b>	1	10/28/2016 05:01 PM
<b>o-Xylene</b>	<b>1.2</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:01 PM
<b>Propene</b>	<b>6.5</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:01 PM
Styrene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Tetrachloroethene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
<b>Tetrahydrofuran</b>	<b>33</b>		<b>2.5</b>	<b>ppbv</b>	5	10/31/2016 01:20 PM
<b>Toluene</b>	<b>4.9</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:01 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	10/28/2016 05:01 PM
<b>Trichloroethene</b>	<b>0.22</b>		<b>0.20</b>	<b>ppbv</b>	1	10/28/2016 05:01 PM
<b>Trichlorofluoromethane</b>	<b>0.51</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:01 PM
Vinyl acetate	ND		0.50	ppbv	1	10/28/2016 05:01 PM
Vinyl chloride	ND		0.50	ppbv	1	10/28/2016 05:01 PM
<i>Surr: Bromofluorobenzene</i>	97.7		60-140	%REC	1	10/28/2016 05:01 PM

**TO-15 BY GC/MS**

**ETO-15**

Analyst: **MRJ**

1,1,1-Trichloroethane	ND		2.73	µg/m3	1	10/28/2016 05:01 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	10/28/2016 05:01 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	10/28/2016 05:01 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	10/28/2016 05:01 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	10/28/2016 05:01 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	10/28/2016 05:01 PM
<b>1,2,4-Trimethylbenzene</b>	<b>3.69</b>		<b>2.46</b>	<b>µg/m3</b>	1	10/28/2016 05:01 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	10/28/2016 05:01 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	10/28/2016 05:01 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	10/28/2016 05:01 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	10/28/2016 05:01 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	10/28/2016 05:01 PM
1,3-Butadiene	ND		1.11	µg/m3	1	10/28/2016 05:01 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	10/28/2016 05:01 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	10/28/2016 05:01 PM

**Note:**

# ALS Environmental

Date: 01-Nov-16

**Client:** RAPCA / Combined Health District

**Project:** Stony Hollow

**Work Order:** 16101048

**Sample ID:** SC5

**Lab ID:** 16101048-02

**Collection Date:** 10/28/2016 08:00 AM

**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	10/28/2016 05:01 PM
<b>2-Butanone</b>	<b>27.2</b>		<b>1.47</b>	<b>µg/m3</b>	1	10/28/2016 05:01 PM
2-Hexanone	ND		2.05	µg/m3	1	10/28/2016 05:01 PM
<b>2-Propanol</b>	<b>31.5</b>		<b>2.46</b>	<b>µg/m3</b>	1	10/28/2016 05:01 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	10/28/2016 05:01 PM
<b>4-Methyl-2-pentanone</b>	<b>2.29</b>		<b>2.05</b>	<b>µg/m3</b>	1	10/28/2016 05:01 PM
<b>Acetone</b>	<b>44.9</b>		<b>2.38</b>	<b>µg/m3</b>	1	10/28/2016 05:01 PM
<b>Benzene</b>	<b>76.3</b>		<b>1.60</b>	<b>µg/m3</b>	1	10/28/2016 05:01 PM
Benzyl chloride	ND		2.59	µg/m3	1	10/28/2016 05:01 PM
Bromodichloromethane	ND		3.35	µg/m3	1	10/28/2016 05:01 PM
Bromoform	ND		5.17	µg/m3	1	10/28/2016 05:01 PM
Bromomethane	ND		1.94	µg/m3	1	10/28/2016 05:01 PM
Carbon disulfide	ND		1.56	µg/m3	1	10/28/2016 05:01 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	10/28/2016 05:01 PM
Chlorobenzene	ND		2.30	µg/m3	1	10/28/2016 05:01 PM
Chloroethane	ND		1.32	µg/m3	1	10/28/2016 05:01 PM
Chloroform	ND		0.976	µg/m3	1	10/28/2016 05:01 PM
<b>Chloromethane</b>	<b>1.32</b>		<b>1.03</b>	<b>µg/m3</b>	1	10/28/2016 05:01 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	10/28/2016 05:01 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	10/28/2016 05:01 PM
Cumene	ND		2.46	µg/m3	1	10/28/2016 05:01 PM
Cyclohexane	ND		1.72	µg/m3	1	10/28/2016 05:01 PM
Dibromochloromethane	ND		4.26	µg/m3	1	10/28/2016 05:01 PM
<b>Dichlorodifluoromethane</b>	<b>2.57</b>		<b>2.47</b>	<b>µg/m3</b>	1	10/28/2016 05:01 PM
Ethyl acetate	ND		1.80	µg/m3	1	10/28/2016 05:01 PM
<b>Ethylbenzene</b>	<b>7.99</b>		<b>2.17</b>	<b>µg/m3</b>	1	10/28/2016 05:01 PM
Freon 113	ND		3.83	µg/m3	1	10/28/2016 05:01 PM
Freon 114	ND		3.50	µg/m3	1	10/28/2016 05:01 PM
Heptane	ND		2.05	µg/m3	1	10/28/2016 05:01 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	10/28/2016 05:01 PM
Hexane	ND		1.76	µg/m3	1	10/28/2016 05:01 PM
<b>m,p-Xylene</b>	<b>15.1</b>		<b>2.17</b>	<b>µg/m3</b>	1	10/28/2016 05:01 PM
Methylene chloride	ND		1.74	µg/m3	1	10/28/2016 05:01 PM
MTBE	ND		1.80	µg/m3	1	10/28/2016 05:01 PM
<b>Naphthalene</b>	<b>1.21</b>		<b>1.05</b>	<b>µg/m3</b>	1	10/28/2016 05:01 PM
<b>o-Xylene</b>	<b>4.99</b>		<b>2.17</b>	<b>µg/m3</b>	1	10/28/2016 05:01 PM
<b>Propene</b>	<b>11.2</b>		<b>0.861</b>	<b>µg/m3</b>	1	10/28/2016 05:01 PM
Styrene	ND		2.13	µg/m3	1	10/28/2016 05:01 PM
Tetrachloroethene	ND		3.39	µg/m3	1	10/28/2016 05:01 PM
<b>Tetrahydrofuran</b>	<b>97.0</b>		<b>7.37</b>	<b>µg/m3</b>	5	10/31/2016 01:20 PM

**Note:**

**ALS Environmental**

Date: 01-Nov-16

**Client:** RAPCA / Combined Health District**Project:** Stony Hollow**Work Order:** 16101048**Sample ID:** SC5**Lab ID:** 16101048-02**Collection Date:** 10/28/2016 08:00 AM**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Toluene</b>	<b>18.4</b>		<b>1.88</b>	<b>µg/m3</b>	1	10/28/2016 05:01 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	10/28/2016 05:01 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	10/28/2016 05:01 PM
<b>Trichloroethene</b>	<b>1.18</b>		<b>1.07</b>	<b>µg/m3</b>	1	10/28/2016 05:01 PM
<b>Trichlorofluoromethane</b>	<b>2.87</b>		<b>2.81</b>	<b>µg/m3</b>	1	10/28/2016 05:01 PM
Vinyl acetate	ND		1.76	µg/m3	1	10/28/2016 05:01 PM
Vinyl chloride	ND		1.28	µg/m3	1	10/28/2016 05:01 PM
Surr: Bromofluorobenzene	97.7		60-140	%REC	1	10/28/2016 05:01 PM

**Note:**

# ALS Environmental

Date: 01-Nov-16

**Client:** RAPCA / Combined Health District

**Project:** Stony Hollow

**Work Order:** 16101048

**Sample ID:** SC6

**Lab ID:** 16101048-03

**Collection Date:** 10/28/2016 08:05 AM

**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>MRJ</b>
1,1,1-Trichloroethane	ND		0.50	ppbv	1	10/28/2016 05:39 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	10/28/2016 05:39 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	10/28/2016 05:39 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	10/28/2016 05:39 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	10/28/2016 05:39 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	10/28/2016 05:39 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	10/28/2016 05:39 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
1,3-Butadiene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
1,4-Dioxane	ND		1.0	ppbv	1	10/28/2016 05:39 PM
<b>2-Butanone</b>	<b>3.2</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:39 PM
2-Hexanone	ND		0.50	ppbv	1	10/28/2016 05:39 PM
<b>2-Propanol</b>	<b>3.8</b>		<b>1.0</b>	<b>ppbv</b>	1	10/28/2016 05:39 PM
4-Ethyltoluene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	10/28/2016 05:39 PM
<b>Acetone</b>	<b>6.7</b>		<b>1.0</b>	<b>ppbv</b>	1	10/28/2016 05:39 PM
<b>Benzene</b>	<b>5.0</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:39 PM
Benzyl chloride	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Bromodichloromethane	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Bromoform	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Bromomethane	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Carbon disulfide	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Carbon tetrachloride	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Chlorobenzene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Chloroethane	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Chloroform	ND		0.20	ppbv	1	10/28/2016 05:39 PM
Chloromethane	ND		0.50	ppbv	1	10/28/2016 05:39 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Cumene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Cyclohexane	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Dibromochloromethane	ND		0.50	ppbv	1	10/28/2016 05:39 PM
<b>Dichlorodifluoromethane</b>	<b>0.50</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:39 PM

**Note:**

# ALS Environmental

Date: 01-Nov-16

**Client:** RAPCA / Combined Health District

**Project:** Stony Hollow

**Work Order:** 16101048

**Sample ID:** SC6

**Lab ID:** 16101048-03

**Collection Date:** 10/28/2016 08:05 AM

**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Ethyl acetate</b>	<b>1.8</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:39 PM
<b>Ethylbenzene</b>	<b>0.64</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:39 PM
Freon 113	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Freon 114	ND		0.50	ppbv	1	10/28/2016 05:39 PM
<b>Heptane</b>	<b>0.58</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:39 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Hexane	ND		0.50	ppbv	1	10/28/2016 05:39 PM
<b>m,p-Xylene</b>	<b>1.5</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:39 PM
Methylene chloride	ND		0.50	ppbv	1	10/28/2016 05:39 PM
MTBE	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Naphthalene	ND		0.20	ppbv	1	10/28/2016 05:39 PM
o-Xylene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
<b>Propene</b>	<b>4.1</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:39 PM
Styrene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Tetrachloroethene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
<b>Tetrahydrofuran</b>	<b>6.6</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:39 PM
<b>Toluene</b>	<b>2.3</b>		<b>0.50</b>	<b>ppbv</b>	1	10/28/2016 05:39 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Trichloroethene	ND		0.20	ppbv	1	10/28/2016 05:39 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Vinyl acetate	ND		0.50	ppbv	1	10/28/2016 05:39 PM
Vinyl chloride	ND		0.50	ppbv	1	10/28/2016 05:39 PM
<i>Surr: Bromofluorobenzene</i>	93.9		60-140	%REC	1	10/28/2016 05:39 PM

## TO-15 BY GC/MS

## ETO-15

Analyst: MRJ

1,1,1-Trichloroethane	ND		2.73	µg/m3	1	10/28/2016 05:39 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	10/28/2016 05:39 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	10/28/2016 05:39 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	10/28/2016 05:39 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	10/28/2016 05:39 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	10/28/2016 05:39 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	10/28/2016 05:39 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	10/28/2016 05:39 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	10/28/2016 05:39 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	10/28/2016 05:39 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	10/28/2016 05:39 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	10/28/2016 05:39 PM
1,3-Butadiene	ND		1.11	µg/m3	1	10/28/2016 05:39 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	10/28/2016 05:39 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	10/28/2016 05:39 PM

**Note:**

# ALS Environmental

Date: 01-Nov-16

**Client:** RAPCA / Combined Health District

**Project:** Stony Hollow

**Work Order:** 16101048

**Sample ID:** SC6

**Lab ID:** 16101048-03

**Collection Date:** 10/28/2016 08:05 AM

**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	10/28/2016 05:39 PM
<b>2-Butanone</b>	<b>9.35</b>		<b>1.47</b>	<b>µg/m3</b>	1	10/28/2016 05:39 PM
2-Hexanone	ND		2.05	µg/m3	1	10/28/2016 05:39 PM
<b>2-Propanol</b>	<b>9.34</b>		<b>2.46</b>	<b>µg/m3</b>	1	10/28/2016 05:39 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	10/28/2016 05:39 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	10/28/2016 05:39 PM
<b>Acetone</b>	<b>15.9</b>		<b>2.38</b>	<b>µg/m3</b>	1	10/28/2016 05:39 PM
<b>Benzene</b>	<b>15.8</b>		<b>1.60</b>	<b>µg/m3</b>	1	10/28/2016 05:39 PM
Benzyl chloride	ND		2.59	µg/m3	1	10/28/2016 05:39 PM
Bromodichloromethane	ND		3.35	µg/m3	1	10/28/2016 05:39 PM
Bromoform	ND		5.17	µg/m3	1	10/28/2016 05:39 PM
Bromomethane	ND		1.94	µg/m3	1	10/28/2016 05:39 PM
Carbon disulfide	ND		1.56	µg/m3	1	10/28/2016 05:39 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	10/28/2016 05:39 PM
Chlorobenzene	ND		2.30	µg/m3	1	10/28/2016 05:39 PM
Chloroethane	ND		1.32	µg/m3	1	10/28/2016 05:39 PM
Chloroform	ND		0.976	µg/m3	1	10/28/2016 05:39 PM
Chloromethane	ND		1.03	µg/m3	1	10/28/2016 05:39 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	10/28/2016 05:39 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	10/28/2016 05:39 PM
Cumene	ND		2.46	µg/m3	1	10/28/2016 05:39 PM
Cyclohexane	ND		1.72	µg/m3	1	10/28/2016 05:39 PM
Dibromochloromethane	ND		4.26	µg/m3	1	10/28/2016 05:39 PM
<b>Dichlorodifluoromethane</b>	<b>2.47</b>		<b>2.47</b>	<b>µg/m3</b>	1	10/28/2016 05:39 PM
<b>Ethyl acetate</b>	<b>6.49</b>		<b>1.80</b>	<b>µg/m3</b>	1	10/28/2016 05:39 PM
<b>Ethylbenzene</b>	<b>2.78</b>		<b>2.17</b>	<b>µg/m3</b>	1	10/28/2016 05:39 PM
Freon 113	ND		3.83	µg/m3	1	10/28/2016 05:39 PM
Freon 114	ND		3.50	µg/m3	1	10/28/2016 05:39 PM
<b>Heptane</b>	<b>2.38</b>		<b>2.05</b>	<b>µg/m3</b>	1	10/28/2016 05:39 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	10/28/2016 05:39 PM
Hexane	ND		1.76	µg/m3	1	10/28/2016 05:39 PM
<b>m,p-Xylene</b>	<b>6.34</b>		<b>2.17</b>	<b>µg/m3</b>	1	10/28/2016 05:39 PM
Methylene chloride	ND		1.74	µg/m3	1	10/28/2016 05:39 PM
MTBE	ND		1.80	µg/m3	1	10/28/2016 05:39 PM
Naphthalene	ND		1.05	µg/m3	1	10/28/2016 05:39 PM
o-Xylene	ND		2.17	µg/m3	1	10/28/2016 05:39 PM
<b>Propene</b>	<b>7.02</b>		<b>0.861</b>	<b>µg/m3</b>	1	10/28/2016 05:39 PM
Styrene	ND		2.13	µg/m3	1	10/28/2016 05:39 PM
Tetrachloroethene	ND		3.39	µg/m3	1	10/28/2016 05:39 PM
<b>Tetrahydrofuran</b>	<b>19.4</b>		<b>1.47</b>	<b>µg/m3</b>	1	10/28/2016 05:39 PM

**Note:**

**ALS Environmental**

Date: 01-Nov-16

**Client:** RAPCA / Combined Health District**Project:** Stony Hollow**Work Order:** 16101048**Sample ID:** SC6**Lab ID:** 16101048-03**Collection Date:** 10/28/2016 08:05 AM**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Toluene</b>	<b>8.63</b>		<b>1.88</b>	<b>µg/m3</b>	1	10/28/2016 05:39 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	10/28/2016 05:39 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	10/28/2016 05:39 PM
Trichloroethene	ND		1.07	µg/m3	1	10/28/2016 05:39 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	10/28/2016 05:39 PM
Vinyl acetate	ND		1.76	µg/m3	1	10/28/2016 05:39 PM
Vinyl chloride	ND		1.28	µg/m3	1	10/28/2016 05:39 PM
Surr: Bromofluorobenzene	93.9		60-140	%REC	1	10/28/2016 05:39 PM

**Note:**

ALS Environmental

Date: 01-Nov-16

**Client:** RAPCA / Combined Health District  
**Work Order:** 16101048  
**Project:** Stony Hollow

**QC BATCH REPORT**

Batch ID: **R134447** Instrument ID: **VMS3** Method: **ETO-15**

MBLK		Sample ID: <b>MBLK-R134447</b>			Units: <b>ppbv</b>		Analysis Date: <b>10/28/2016 02:39 PM</b>			
Client ID:		Run ID: <b>VMS3_161028A</b>			SeqNo: <b>1387351</b>		Prep Date:		DF: <b>1</b>	
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:** RAPCA / Combined Health District

**Work Order:** 16101048

**Project:** Stony Hollow

# QC BATCH REPORT

---

Batch ID: <b>R134447</b>	Instrument ID: <b>VMS3</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>	9.5	0	10	0	95	60-140	0

---

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

Client: RAPCA / Combined Health District  
 Work Order: 16101048  
 Project: Stony Hollow

# QC BATCH REPORT

Batch ID: R134447 Instrument ID: VMS3 Method: ETO-15

LCS		Sample ID: Ics-R134447				Units: ppbv		Analysis Date: 10/28/2016 02:01 PM			
Client ID:		Run ID: VMS3_161028A				SeqNo: 1387350		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	9.34	0.50	10	0	93.4	58.8-163	0				
1,1,2,2-Tetrachloroethane	10.09	0.50	10	0	101	60-140	0				
1,1,2-Trichloroethane	9.4	0.50	10	0	94	60-140	0				
1,1-Dichloroethane	9.69	0.50	10	0	96.9	60-140	0				
1,1-Dichloroethene	10.21	0.50	10	0	102	60-140	0				
1,2,4-Trichlorobenzene	9.4	0.50	10	0	94	49.3-150	0				
1,2,4-Trimethylbenzene	9.86	0.50	10	0	98.6	50.1-162	0				
1,2-Dibromoethane	9.18	0.50	10	0	91.8	60-140	0				
1,2-Dichlorobenzene	9.75	0.50	10	0	97.5	41.9-141	0				
1,2-Dichloroethane	9.04	0.50	10	0	90.4	60-140	0				
1,2-Dichloropropane	9.82	0.50	10	0	98.2	60-140	0				
1,3,5-Trimethylbenzene	9.64	0.50	10	0	96.4	60-140	0				
1,3-Butadiene	10.04	0.50	10	0	100	50.6-140	0				
1,3-Dichlorobenzene	9.65	0.50	10	0	96.5	60-140	0				
1,4-Dichlorobenzene	9.31	0.50	10	0	93.1	55.1-145	0				
1,4-Dioxane	9.07	1.0	10	0	90.7	60-140	0				
2-Butanone	9.63	0.50	10	0	96.3	60-140	0				
2-Hexanone	9.61	0.50	10	0	96.1	56.2-162	0				
2-Propanol	9.75	1.0	10	0	97.5	60-140	0				
4-Ethyltoluene	9.57	0.50	10	0	95.7	60-140	0				
4-Methyl-2-pentanone	9.85	0.50	10	0	98.5	60-140	0				
Acetone	9.78	1.0	10	0	97.8	60-140	0				
Benzene	9.05	0.50	10	0	90.5	60-140	0				
Benzyl chloride	10.83	0.50	10	0	108	31.9-174	0				
Bromodichloromethane	9.78	0.50	10	0	97.8	60-140	0				
Bromoform	10.19	0.50	10	0	102	60-140	0				
Bromomethane	10.44	0.50	10	0	104	60-140	0				
Carbon disulfide	9.95	0.50	10	0	99.5	60-140	0				
Carbon tetrachloride	9.19	0.50	10	0	91.9	60-140	0				
Chlorobenzene	8.89	0.50	10	0	88.9	60-140	0				
Chloroethane	10.24	0.50	10	0	102	60-140	0				
Chloroform	9.52	0.20	10	0	95.2	60-140	0				
Chloromethane	8.44	0.50	10	0	84.4	60-140	0				
cis-1,2-Dichloroethene	9.8	0.50	10	0	98	60-140	0				
cis-1,3-Dichloropropene	9.81	0.50	10	0	98.1	60-140	0				
Cumene	9.4	0.50	10	0	94	60-140	0				
Cyclohexane	9.76	0.50	10	0	97.6	60-140	0				
Dibromochloromethane	9.64	0.50	10	0	96.4	60-140	0				
Dichlorodifluoromethane	8.6	0.50	10	0	86	60-140	0				
Ethyl acetate	9.5	0.50	10	0	95	60-140	0				
Ethylbenzene	8.95	0.50	10	0	89.5	60-140	0				
Freon 113	9.59	0.50	10	0	95.9	60-140	0				

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

**Client:** RAPCA / Combined Health District  
**Work Order:** 16101048  
**Project:** Stony Hollow

## QC BATCH REPORT

Batch ID: <b>R134447</b>	Instrument ID: <b>VMS3</b>			Method: <b>ETO-15</b>				
Freon 114	8.76	0.50	10	0	87.6	60-140	0	
Heptane	9.98	0.50	10	0	99.8	60-140	0	
Hexachlorobutadiene	10.27	0.50	10	0	103	60-140	0	
Hexane	9.24	0.50	10	0	92.4	60-140	0	
m,p-Xylene	18.05	0.50	20	0	90.2	60-140	0	
Methylene chloride	8.97	0.50	10	0	89.7	60-140	0	
MTBE	9.45	0.50	10	0	94.5	60.8-151	0	
Naphthalene	9.43	0.20	10	0	94.3	53.1-152	0	
o-Xylene	9.53	0.50	10	0	95.3	60-140	0	
Propene	8.11	0.50	10	0	81.1	34.4-139	0	
Styrene	9.38	0.50	10	0	93.8	60-140	0	
Tetrachloroethene	8.78	0.50	10	0	87.8	60-140	0	
Tetrahydrofuran	9.56	0.50	10	0	95.6	60-140	0	
Toluene	8.55	0.50	10	0	85.5	60-140	0	
trans-1,2-Dichloroethene	9.11	0.50	10	0	91.1	60-140	0	
trans-1,3-Dichloropropene	ND	0.50	10	0	0.5	60-140	0	S
Trichloroethene	9.48	0.20	10	0	94.8	60-140	0	
Trichlorofluoromethane	9.75	0.50	10	0	97.5	60-140	0	
Vinyl acetate	9.67	0.50	10	0	96.7	48.4-145	0	
Vinyl chloride	11.15	0.50	10	0	112	60-140	0	
<i>Surr: Bromofluorobenzene</i>	10	0	10	0	100	60-140	0	

The following samples were analyzed in this batch:

16101048-01A	16101048-02A	16101048-03A
--------------	--------------	--------------

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

**Client:** RAPCA / Combined Health District  
**Work Order:** 16101048  
**Project:** Stony Hollow

# QC BATCH REPORT

Batch ID: **R134501**      Instrument ID: **VMS3**      Method: **ETO-15**

MBLK		Sample ID: <b>MBLK-R134501</b>			Units: <b>ppbv</b>		Analysis Date: <b>10/31/2016 12:40 PM</b>			
Client ID:		Run ID: <b>VMS3_161031A</b>			SeqNo: <b>1388325</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Tetrahydrofuran	ND	0.50								
<i>Surr: Bromofluorobenzene</i>	9.59	0	10	0	95.9	60-140	0			

LCS		Sample ID: <b>lcs-R134501</b>			Units: <b>ppbv</b>		Analysis Date: <b>10/31/2016 12:03 PM</b>			
Client ID:		Run ID: <b>VMS3_161031A</b>			SeqNo: <b>1388324</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Tetrahydrofuran	10.11	0.50	10	0	101	60-140	0			
<i>Surr: Bromofluorobenzene</i>	9.51	0	10	0	95.1	60-140	0			

The following samples were analyzed in this batch:

16101048-02A
--------------

**Client:** RAPCA / Combined Health District  
**Project:** Stony Hollow  
**WorkOrder:** 16101048

**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: **RAPCA-DAYTON**

Date/Time Received: **28-Oct-16 15:20**

Work Order: **16101048**

Received by: **JNW**

Checklist completed by: J an Wilcox 28-Oct-16  
eSignature Date

Reviewed by: Shawn Smythe 28-Oct-16  
eSignature Date

Matrices:

Carrier name: ALSHN

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