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www.alsglobal.com

LABORATORY REPORT

July 8, 2017

Stephanie Madden
RAPCA
117 S Main Street
Dayton, OH 45422

RE: Community Air Toxics Monitoring 2017 / 2017-1

Dear Stephanie:

Your report number P1702945 has been amended for the samples submitted to our laboratory on June 19, 2017. The compound, ally chloride, was inadvertently reported instead trichlorotrifluoroethane (CFC 113). The corrected pages have been indicated by the "Revised Page" footer located at the bottom right of the page.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Kate Kaneko at 10:23 am, 07/08/17

Kate Kaneko
Project Manager



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Client: RAPCA
Project: Community Air Toxics Monitoring 2017 / 2017-1

Service Request No: P1702945

CASE NARRATIVE

The samples were received intact under chain of custody on June 19, 2017 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Sulfur Analysis

The samples were analyzed for twenty sulfur compounds per ASTM D 5504-12 using a gas chromatograph equipped with a sulfur chemiluminescence detector (SCD). All compounds with the exception of hydrogen sulfide and carbonyl sulfide are quantitated against the initial calibration curve for methyl mercaptan. This method is included on the laboratory's NELAP scope of accreditation, however it is not part of the DoD-ELAP accreditation.

Volatile Organic Compound Analysis

The samples were also analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The spike recovery of carbon disulfide in the Laboratory Control Sample (LCS) was outside the laboratory generated control criteria. The recovery error equates to a potential high bias. However, the recovery in question was within the method criteria, therefore, the data quality has not been significantly affected. No corrective action was taken.

The containers were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.



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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E871020
Louisiana DEQ (NELAP)	http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx	05071
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm	2016036
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	1177034
New Jersey DEP (NELAP)	http://www.nj.gov/dep/oqa/	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-004
Pennsylvania DEP	http://www.depweb.state.pa.us/labs	68-03307 (Registration)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704413-16-7
Utah DOH (NELAP)	http://health.utah.gov/lab/environmental-lab-certification/	CA01627201 6-6
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: RAPCA
 Project ID: Community Air Toxics Monitoring 2017 / 2017-1

Service Request: P1702945

Date Received: 6/19/2017
 Time Received: 09:55

ASTM D 5504-12 - Sulfur Can
TO-15 - VOC Cans

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	ASTM D 5504-12 - Sulfur Can	TO-15 - VOC Cans
Can A - 061517	P1702945-001	Air	6/16/2017	07:45	AS00187	0.09	3.60	X	X
Can B - 061517	P1702945-002	Air	6/16/2017	07:59	AS01101	-0.03	3.55	X	X



Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
 Simi Valley, California 93065
 Phone (805) 526-7161
 Fax (805) 526-7270

Company Name & Address (Reporting Information) Regional Air Pollution Control (RAPCA) 117 S. Main St. Dayton, OH 45422		Project Name Community Air Toxics Monitoring 2017		ALS Contact: K. Kaneko		Requested Turnaround Time in Business Days (Surcharges) please circle 3 Day (50%)		ALS Project No. 1802945	
Project Manager Stephanie Madden Phone 937-225-5922 Fax 937-225-3486		P.O. # / Billing Information: PO# 702021 Public Health Dayton Montgomery County (PHDMC) Attn: Accounting 117 S. Main St. Dayton, OH 45422		Analysis Method ASTM 8504		Comments e.g. Actual Preservative or specific instructions			
Sampler (Print & Sign) Kelli Steward Kelli Steward				Flow Controller ID (Bar code # - FC #)		Canister Start Pressure "Hg		Canister End Pressure "Hg/psig	
Client Sample ID		Laboratory ID Number		Canister ID (Bar code # - AC, SC, etc.)		Canister Start Pressure "Hg		Canister End Pressure "Hg/psig	
Can A - 061517		RAP019		AS00187		-20		1	
Can B - 061517		RAP020		AS01101		-20		1	
Date		Date		Time		Sample Volume		Project Requirements (MRLs, QAPP)	
6/15/17-6/16/17		6/15/17-6/16/17		6:13 7:45 8:09 7:59		6L 6L		Chain of Custody Seal (Circle) INTACT BROKEN ABSENT	
Report Tier Levels - please select Tier I - Results (Default if not specified) _____ Tier II (Results + QC Summaries) X _____ Tier III (Results + QC & Calibration Summaries) _____ Tier IV (Data Validation Package) 10% Surcharge _____		EDD required Yes / No _____ Type: _____ Units: _____		Received by: (Signature) 		Date: 6/16/17 Time: 0900		Received by: (Signature) 	
Relinquished by: (Signature) 		Date: 6/16/17 Time: 0900		Relinquished by: (Signature) 		Date: 6/19/17 Time: 0955		Cooler / Blank Temperature _____ °C	

**ALS Environmental
Sample Acceptance Check Form**

Client: RAPCA Work order: P1702945
 Project: Community Air Toxics Monitoring 2017 / 2017-1
 Sample(s) received on: 6/19/17 Date opened: 6/19/17 by: ADAVID

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8 Were custody seals on outside of cooler/Box/Container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1702945-001.01	6.0 L Silonite Can					
P1702945-002.01	6.0 L Silonite Can					

Explain any discrepancies: (include lab sample ID numbers): _____

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: RAPCA
Client Sample ID: Can A - 061517
Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945
 ALS Sample ID: P1702945-001

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 6890A/GC13/SCD
 Analyst: Mike Conejo
 Sample Type: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS00187

Date Collected: 6/16/17
 Time Collected: 07:45
 Date Received: 6/19/17
 Date Analyzed: 6/19/17
 Time Analyzed: 15:40
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): 0.09 Final Pressure (psig): 3.60

Canister Dilution Factor: 1.24

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	12	8.6	8.9	6.2	
463-58-1	Carbonyl Sulfide	ND	15	ND	6.2	
74-93-1	Methyl Mercaptan	ND	12	ND	6.2	
75-08-1	Ethyl Mercaptan	ND	16	ND	6.2	
75-18-3	Dimethyl Sulfide	ND	16	ND	6.2	
75-15-0	Carbon Disulfide	ND	9.6	ND	3.1	
75-33-2	Isopropyl Mercaptan	ND	19	ND	6.2	
75-66-1	tert-Butyl Mercaptan	ND	23	ND	6.2	
107-03-9	n-Propyl Mercaptan	ND	19	ND	6.2	
624-89-5	Ethyl Methyl Sulfide	ND	19	ND	6.2	
110-02-1	Thiophene	ND	21	ND	6.2	
513-44-0	Isobutyl Mercaptan	ND	23	ND	6.2	
352-93-2	Diethyl Sulfide	ND	23	ND	6.2	
109-79-5	n-Butyl Mercaptan	ND	23	ND	6.2	
624-92-0	Dimethyl Disulfide	ND	12	ND	3.1	
616-44-4	3-Methylthiophene	ND	25	ND	6.2	
110-01-0	Tetrahydrothiophene	ND	22	ND	6.2	
638-02-8	2,5-Dimethylthiophene	ND	28	ND	6.2	
872-55-9	2-Ethylthiophene	ND	28	ND	6.2	
110-81-6	Diethyl Disulfide	ND	15	ND	3.1	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: RAPCA
Client Sample ID: Can B - 061517
Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945
 ALS Sample ID: P1702945-002

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 6890A/GC13/SCD
 Analyst: Mike Conejo
 Sample Type: 6.0 L Silonite Canister
 Test Notes:
 Container ID: AS01101

Date Collected: 6/16/17
 Time Collected: 07:59
 Date Received: 6/19/17
 Date Analyzed: 6/19/17
 Time Analyzed: 15:56
 Volume(s) Analyzed: 1.0 ml(s)

Initial Pressure (psig): -0.03 Final Pressure (psig): 3.55

Canister Dilution Factor: 1.24

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	8.6	ND	6.2	
463-58-1	Carbonyl Sulfide	ND	15	ND	6.2	
74-93-1	Methyl Mercaptan	ND	12	ND	6.2	
75-08-1	Ethyl Mercaptan	ND	16	ND	6.2	
75-18-3	Dimethyl Sulfide	ND	16	ND	6.2	
75-15-0	Carbon Disulfide	ND	9.6	ND	3.1	
75-33-2	Isopropyl Mercaptan	ND	19	ND	6.2	
75-66-1	tert-Butyl Mercaptan	ND	23	ND	6.2	
107-03-9	n-Propyl Mercaptan	ND	19	ND	6.2	
624-89-5	Ethyl Methyl Sulfide	ND	19	ND	6.2	
110-02-1	Thiophene	ND	21	ND	6.2	
513-44-0	Isobutyl Mercaptan	ND	23	ND	6.2	
352-93-2	Diethyl Sulfide	ND	23	ND	6.2	
109-79-5	n-Butyl Mercaptan	ND	23	ND	6.2	
624-92-0	Dimethyl Disulfide	ND	12	ND	3.1	
616-44-4	3-Methylthiophene	ND	25	ND	6.2	
110-01-0	Tetrahydrothiophene	ND	22	ND	6.2	
638-02-8	2,5-Dimethylthiophene	ND	28	ND	6.2	
872-55-9	2-Ethylthiophene	ND	28	ND	6.2	
110-81-6	Diethyl Disulfide	ND	15	ND	3.1	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: RAPCA
Client Sample ID: Method Blank
Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945
 ALS Sample ID: P170619-MB

Test Code: ASTM D 5504-12
 Instrument ID: Agilent 6890A/GC13/SCD
 Analyst: Mike Conejo
 Sample Type: 6.0 L Silonite Canister
 Test Notes:

Date Collected: NA
 Time Collected: NA
 Date Received: NA
 Date Analyzed: 6/19/17
 Time Analyzed: 08:34
 Volume(s) Analyzed: 1.0 ml(s)

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
7783-06-4	Hydrogen Sulfide	ND	7.0	ND	5.0	
463-58-1	Carbonyl Sulfide	ND	12	ND	5.0	
74-93-1	Methyl Mercaptan	ND	9.8	ND	5.0	
75-08-1	Ethyl Mercaptan	ND	13	ND	5.0	
75-18-3	Dimethyl Sulfide	ND	13	ND	5.0	
75-15-0	Carbon Disulfide	ND	7.8	ND	2.5	
75-33-2	Isopropyl Mercaptan	ND	16	ND	5.0	
75-66-1	tert-Butyl Mercaptan	ND	18	ND	5.0	
107-03-9	n-Propyl Mercaptan	ND	16	ND	5.0	
624-89-5	Ethyl Methyl Sulfide	ND	16	ND	5.0	
110-02-1	Thiophene	ND	17	ND	5.0	
513-44-0	Isobutyl Mercaptan	ND	18	ND	5.0	
352-93-2	Diethyl Sulfide	ND	18	ND	5.0	
109-79-5	n-Butyl Mercaptan	ND	18	ND	5.0	
624-92-0	Dimethyl Disulfide	ND	9.6	ND	2.5	
616-44-4	3-Methylthiophene	ND	20	ND	5.0	
110-01-0	Tetrahydrothiophene	ND	18	ND	5.0	
638-02-8	2,5-Dimethylthiophene	ND	23	ND	5.0	
872-55-9	2-Ethylthiophene	ND	23	ND	5.0	
110-81-6	Diethyl Disulfide	ND	12	ND	2.5	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

Client: RAPCA
Client Sample ID: Lab Control Sample
Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945
ALS Sample ID: P170619-LCS

Test Code: ASTM D 5504-12
Instrument ID: Agilent 6890A/GC13/SCD
Analyst: Mike Conejo
Sample Type: 6.0 L Silonite Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 6/19/17
Volume(s) Analyzed: NA ml(s)

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
7783-06-4	Hydrogen Sulfide	1,000	876	88	75-148	
463-58-1	Carbonyl Sulfide	1,000	875	88	70-137	
74-93-1	Methyl Mercaptan	1,000	844	84	72-139	

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 3

Client: RAPCA

Client Sample ID: Can A - 061517

Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945

ALS Sample ID: P1702945-001

Test Code: EPA TO-15

Date Collected: 6/16/17

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 6/19/17

Analyst: Lusine Hakobyan

Date Analyzed: 6/19/17

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS00187

Initial Pressure (psig): 0.09 Final Pressure (psig): 3.60

Canister Dilution Factor: 1.24

CAS #	Compound	Result	MRL	MDL	Result	MRL	MDL	Data
		µg/m ³	µg/m ³	µg/m ³	ppbV	ppbV	ppbV	Qualifier
115-07-1	Propene	1.8	0.62	0.17	1.0	0.36	0.10	
75-71-8	Dichlorodifluoromethane (CFC 12)	2.2	0.62	0.21	0.45	0.13	0.043	
74-87-3	Chloromethane	0.26	0.62	0.19	0.12	0.30	0.090	J
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.62	0.24	ND	0.089	0.034	
75-01-4	Vinyl Chloride	ND	0.62	0.21	ND	0.24	0.082	
106-99-0	1,3-Butadiene	ND	0.62	0.27	ND	0.28	0.12	
74-83-9	Bromomethane	ND	0.62	0.24	ND	0.16	0.061	
75-00-3	Chloroethane	ND	0.62	0.21	ND	0.24	0.080	
67-64-1	Acetone	9.9	6.2	0.95	4.1	2.6	0.40	
75-69-4	Trichlorofluoromethane (CFC 11)	1.3	0.62	0.21	0.23	0.11	0.038	
67-63-0	2-Propanol (Isopropyl Alcohol)	4.2	6.2	0.52	1.7	2.5	0.21	J
75-35-4	1,1-Dichloroethene	ND	0.62	0.21	ND	0.16	0.053	
75-09-2	Methylene Chloride	0.37	0.62	0.21	0.11	0.18	0.061	J
76-13-1	Trichlorotrifluoroethane (CFC 113)	0.45	0.62	0.21	0.058	0.081	0.028	J
75-15-0	Carbon Disulfide	ND	6.2	0.19	ND	2.0	0.060	
156-60-5	trans-1,2-Dichloroethene	ND	0.62	0.24	ND	0.16	0.059	
75-34-3	1,1-Dichloroethane	ND	0.62	0.20	ND	0.15	0.049	
1634-04-4	Methyl tert-Butyl Ether	ND	0.62	0.21	ND	0.17	0.058	
108-05-4	Vinyl Acetate	0.83	6.2	0.81	0.24	1.8	0.23	J
78-93-3	2-Butanone (MEK)	0.97	6.2	0.26	0.33	2.1	0.088	J
156-59-2	cis-1,2-Dichloroethene	ND	0.62	0.20	ND	0.16	0.050	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 2 of 3

Client: RAPCA

Client Sample ID: Can A - 061517

Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945

ALS Sample ID: P1702945-001

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Analyst: Lusine Hakobyan

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00187

Date Collected: 6/16/17

Date Received: 6/19/17

Date Analyzed: 6/19/17

Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): 0.09 Final Pressure (psig): 3.60

Canister Dilution Factor: 1.24

CAS #	Compound	Result µg/m ³	MRL µg/m ³	MDL µg/m ³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate	1.8	1.2	0.43	0.51	0.34	0.12	
110-54-3	n-Hexane	0.35	0.62	0.19	0.10	0.18	0.053	J
67-66-3	Chloroform	ND	0.62	0.21	ND	0.13	0.043	
109-99-9	Tetrahydrofuran (THF)	0.37	0.62	0.25	0.12	0.21	0.084	J
107-06-2	1,2-Dichloroethane	ND	0.62	0.20	ND	0.15	0.049	
71-55-6	1,1,1-Trichloroethane	ND	0.62	0.21	ND	0.11	0.039	
71-43-2	Benzene	0.69	0.62	0.20	0.22	0.19	0.062	
56-23-5	Carbon Tetrachloride	0.36	0.62	0.19	0.057	0.099	0.030	J
110-82-7	Cyclohexane	ND	1.2	0.36	ND	0.36	0.10	
78-87-5	1,2-Dichloropropane	ND	0.62	0.20	ND	0.13	0.043	
75-27-4	Bromodichloromethane	ND	0.62	0.19	ND	0.093	0.028	
79-01-6	Trichloroethene	1.3	0.62	0.17	0.24	0.12	0.032	
123-91-1	1,4-Dioxane	ND	0.62	0.20	ND	0.17	0.055	
142-82-5	n-Heptane	0.33	0.62	0.21	0.081	0.15	0.051	J
10061-01-5	cis-1,3-Dichloropropene	ND	0.62	0.17	ND	0.14	0.038	
108-10-1	4-Methyl-2-pentanone	ND	0.62	0.20	ND	0.15	0.048	
10061-02-6	trans-1,3-Dichloropropene	ND	0.62	0.20	ND	0.14	0.044	
79-00-5	1,1,2-Trichloroethane	ND	0.62	0.20	ND	0.11	0.036	
108-88-3	Toluene	2.2	0.62	0.21	0.58	0.16	0.056	
591-78-6	2-Hexanone	ND	0.62	0.20	ND	0.15	0.048	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: RAPCA

Client Sample ID: Can A - 061517

Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945

ALS Sample ID: P1702945-001

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Analyst: Lusine Hakobyan

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS00187

Date Collected: 6/16/17

Date Received: 6/19/17

Date Analyzed: 6/19/17

Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): 0.09 Final Pressure (psig): 3.60

Canister Dilution Factor: 1.24

CAS #	Compound	Result µg/m ³	MRL µg/m ³	MDL µg/m ³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.62	0.20	ND	0.073	0.023	
106-93-4	1,2-Dibromoethane	ND	0.62	0.20	ND	0.081	0.026	
127-18-4	Tetrachloroethene	ND	0.62	0.17	ND	0.091	0.026	
108-90-7	Chlorobenzene	ND	0.62	0.20	ND	0.13	0.043	
100-41-4	Ethylbenzene	0.28	0.62	0.20	0.064	0.14	0.046	J
179601-23-1	m,p-Xylenes	0.66	1.2	0.37	0.15	0.29	0.086	J
75-25-2	Bromoform	ND	0.62	0.19	ND	0.060	0.018	
100-42-5	Styrene	ND	0.62	0.19	ND	0.15	0.044	
95-47-6	o-Xylene	0.23	0.62	0.19	0.053	0.14	0.043	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.62	0.19	ND	0.090	0.027	
98-82-8	Cumene	ND	0.62	0.19	ND	0.13	0.038	
622-96-8	4-Ethyltoluene	ND	0.62	0.20	ND	0.13	0.040	
108-67-8	1,3,5-Trimethylbenzene	ND	0.62	0.20	ND	0.13	0.040	
95-63-6	1,2,4-Trimethylbenzene	0.37	0.62	0.19	0.075	0.13	0.038	J
100-44-7	Benzyl Chloride	ND	0.62	0.14	ND	0.12	0.026	
541-73-1	1,3-Dichlorobenzene	ND	0.62	0.19	ND	0.10	0.031	
106-46-7	1,4-Dichlorobenzene	ND	0.62	0.17	ND	0.10	0.029	
95-50-1	1,2-Dichlorobenzene	ND	0.62	0.19	ND	0.10	0.031	
120-82-1	1,2,4-Trichlorobenzene	ND	0.62	0.20	ND	0.084	0.027	
91-20-3	Naphthalene	0.39	0.62	0.22	0.075	0.12	0.043	J
87-68-3	Hexachlorobutadiene	ND	0.62	0.17	ND	0.058	0.016	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: RAPCA

Client Sample ID: Can B - 061517

Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945

ALS Sample ID: P1702945-002

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Analyst: Lusine Hakobyan

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS01101

Date Collected: 6/16/17

Date Received: 6/19/17

Date Analyzed: 6/19/17

Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -0.03 Final Pressure (psig): 3.55

Canister Dilution Factor: 1.24

CAS #	Compound	Result	MRL	MDL	Result	MRL	MDL	Data
		µg/m ³	µg/m ³	µg/m ³	ppbV	ppbV	ppbV	Qualifier
115-07-1	Propene	1.3	0.62	0.17	0.75	0.36	0.10	
75-71-8	Dichlorodifluoromethane (CFC 12)	2.0	0.62	0.21	0.41	0.13	0.043	
74-87-3	Chloromethane	0.30	0.62	0.19	0.14	0.30	0.090	J
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.62	0.24	ND	0.089	0.034	
75-01-4	Vinyl Chloride	ND	0.62	0.21	ND	0.24	0.082	
106-99-0	1,3-Butadiene	ND	0.62	0.27	ND	0.28	0.12	
74-83-9	Bromomethane	ND	0.62	0.24	ND	0.16	0.061	
75-00-3	Chloroethane	ND	0.62	0.21	ND	0.24	0.080	
67-64-1	Acetone	12	6.2	0.95	5.0	2.6	0.40	
75-69-4	Trichlorofluoromethane (CFC 11)	1.2	0.62	0.21	0.22	0.11	0.038	
67-63-0	2-Propanol (Isopropyl Alcohol)	2.7	6.2	0.52	1.1	2.5	0.21	J
75-35-4	1,1-Dichloroethene	ND	0.62	0.21	ND	0.16	0.053	
75-09-2	Methylene Chloride	1.4	0.62	0.21	0.41	0.18	0.061	
76-13-1	Trichlorotrifluoroethane (CFC 113)	0.45	0.62	0.21	0.059	0.081	0.028	J
75-15-0	Carbon Disulfide	ND	6.2	0.19	ND	2.0	0.060	
156-60-5	trans-1,2-Dichloroethene	ND	0.62	0.24	ND	0.16	0.059	
75-34-3	1,1-Dichloroethane	ND	0.62	0.20	ND	0.15	0.049	
1634-04-4	Methyl tert-Butyl Ether	ND	0.62	0.21	ND	0.17	0.058	
108-05-4	Vinyl Acetate	2.2	6.2	0.81	0.62	1.8	0.23	J
78-93-3	2-Butanone (MEK)	1.4	6.2	0.26	0.47	2.1	0.088	J
156-59-2	cis-1,2-Dichloroethene	ND	0.62	0.20	ND	0.16	0.050	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: RAPCA

Client Sample ID: Can B - 061517

Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945

ALS Sample ID: P1702945-002

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Analyst: Lusine Hakobyan

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS01101

Date Collected: 6/16/17

Date Received: 6/19/17

Date Analyzed: 6/19/17

Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -0.03 Final Pressure (psig): 3.55

Canister Dilution Factor: 1.24

CAS #	Compound	Result µg/m ³	MRL µg/m ³	MDL µg/m ³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate	33	1.2	0.43	9.2	0.34	0.12	
110-54-3	n-Hexane	0.47	0.62	0.19	0.13	0.18	0.053	J
67-66-3	Chloroform	ND	0.62	0.21	ND	0.13	0.043	
109-99-9	Tetrahydrofuran (THF)	ND	0.62	0.25	ND	0.21	0.084	
107-06-2	1,2-Dichloroethane	ND	0.62	0.20	ND	0.15	0.049	
71-55-6	1,1,1-Trichloroethane	ND	0.62	0.21	ND	0.11	0.039	
71-43-2	Benzene	0.46	0.62	0.20	0.14	0.19	0.062	J
56-23-5	Carbon Tetrachloride	0.38	0.62	0.19	0.060	0.099	0.030	J
110-82-7	Cyclohexane	0.40	1.2	0.36	0.12	0.36	0.10	J
78-87-5	1,2-Dichloropropane	ND	0.62	0.20	ND	0.13	0.043	
75-27-4	Bromodichloromethane	ND	0.62	0.19	ND	0.093	0.028	
79-01-6	Trichloroethene	ND	0.62	0.17	ND	0.12	0.032	
123-91-1	1,4-Dioxane	ND	0.62	0.20	ND	0.17	0.055	
142-82-5	n-Heptane	0.37	0.62	0.21	0.091	0.15	0.051	J
10061-01-5	cis-1,3-Dichloropropene	ND	0.62	0.17	ND	0.14	0.038	
108-10-1	4-Methyl-2-pentanone	0.21	0.62	0.20	0.052	0.15	0.048	J
10061-02-6	trans-1,3-Dichloropropene	ND	0.62	0.20	ND	0.14	0.044	
79-00-5	1,1,2-Trichloroethane	ND	0.62	0.20	ND	0.11	0.036	
108-88-3	Toluene	2.2	0.62	0.21	0.59	0.16	0.056	
591-78-6	2-Hexanone	ND	0.62	0.20	ND	0.15	0.048	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: RAPCA

Client Sample ID: Can B - 061517

Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945

ALS Sample ID: P1702945-002

Test Code: EPA TO-15

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Analyst: Lusine Hakobyan

Sample Type: 6.0 L Silonite Canister

Test Notes:

Container ID: AS01101

Date Collected: 6/16/17

Date Received: 6/19/17

Date Analyzed: 6/19/17

Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -0.03 Final Pressure (psig): 3.55

Canister Dilution Factor: 1.24

CAS #	Compound	Result µg/m ³	MRL µg/m ³	MDL µg/m ³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.62	0.20	ND	0.073	0.023	
106-93-4	1,2-Dibromoethane	ND	0.62	0.20	ND	0.081	0.026	
127-18-4	Tetrachloroethene	ND	0.62	0.17	ND	0.091	0.026	
108-90-7	Chlorobenzene	0.58	0.62	0.20	0.13	0.13	0.043	J
100-41-4	Ethylbenzene	0.34	0.62	0.20	0.079	0.14	0.046	J
179601-23-1	m,p-Xylenes	1.1	1.2	0.37	0.25	0.29	0.086	J
75-25-2	Bromoform	ND	0.62	0.19	ND	0.060	0.018	
100-42-5	Styrene	0.19	0.62	0.19	0.046	0.15	0.044	J
95-47-6	o-Xylene	0.35	0.62	0.19	0.080	0.14	0.043	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.62	0.19	ND	0.090	0.027	
98-82-8	Cumene	ND	0.62	0.19	ND	0.13	0.038	
622-96-8	4-Ethyltoluene	ND	0.62	0.20	ND	0.13	0.040	
108-67-8	1,3,5-Trimethylbenzene	ND	0.62	0.20	ND	0.13	0.040	
95-63-6	1,2,4-Trimethylbenzene	0.23	0.62	0.19	0.046	0.13	0.038	J
100-44-7	Benzyl Chloride	ND	0.62	0.14	ND	0.12	0.026	
541-73-1	1,3-Dichlorobenzene	ND	0.62	0.19	ND	0.10	0.031	
106-46-7	1,4-Dichlorobenzene	ND	0.62	0.17	ND	0.10	0.029	
95-50-1	1,2-Dichlorobenzene	ND	0.62	0.19	ND	0.10	0.031	
120-82-1	1,2,4-Trichlorobenzene	ND	0.62	0.20	ND	0.084	0.027	
91-20-3	Naphthalene	0.39	0.62	0.22	0.074	0.12	0.043	J
87-68-3	Hexachlorobutadiene	ND	0.62	0.17	ND	0.058	0.016	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: RAPCA
Client Sample ID: Method Blank
Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Lusine Hakobyan
Sample Type: 6.0 L Silonite Canister
Test Notes:

ALS Project ID: P1702945
ALS Sample ID: P170619-MB

Date Collected: NA
Date Received: NA
Date Analyzed: 6/19/17
Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result	MRL	MDL	Result	MRL	MDL	Data
		µg/m ³	µg/m ³	µg/m ³	ppbV	ppbV	ppbV	Qualifier
115-07-1	Propene	ND	0.50	0.14	ND	0.29	0.081	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	0.50	0.17	ND	0.10	0.034	
74-87-3	Chloromethane	ND	0.50	0.15	ND	0.24	0.073	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.50	0.19	ND	0.072	0.027	
75-01-4	Vinyl Chloride	ND	0.50	0.17	ND	0.20	0.067	
106-99-0	1,3-Butadiene	ND	0.50	0.22	ND	0.23	0.099	
74-83-9	Bromomethane	ND	0.50	0.19	ND	0.13	0.049	
75-00-3	Chloroethane	ND	0.50	0.17	ND	0.19	0.064	
67-64-1	Acetone	ND	5.0	0.77	ND	2.1	0.32	
75-69-4	Trichlorofluoromethane (CFC 11)	ND	0.50	0.17	ND	0.089	0.030	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	5.0	0.42	ND	2.0	0.17	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	ND	0.13	0.043	
75-09-2	Methylene Chloride	ND	0.50	0.17	ND	0.14	0.049	
76-13-1	Trichlorotrifluoroethane (CFC 113)	ND	0.50	0.17	ND	0.065	0.022	
75-15-0	Carbon Disulfide	ND	5.0	0.15	ND	1.6	0.048	
156-60-5	trans-1,2-Dichloroethene	ND	0.50	0.19	ND	0.13	0.048	
75-34-3	1,1-Dichloroethane	ND	0.50	0.16	ND	0.12	0.040	
1634-04-4	Methyl tert-Butyl Ether	ND	0.50	0.17	ND	0.14	0.047	
108-05-4	Vinyl Acetate	ND	5.0	0.65	ND	1.4	0.18	
78-93-3	2-Butanone (MEK)	ND	5.0	0.21	ND	1.7	0.071	
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.16	ND	0.13	0.040	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: RAPCA
Client Sample ID: Method Blank
Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
Analyst: Lusine Hakobyan
Sample Type: 6.0 L Silonite Canister
Test Notes:

ALS Project ID: P1702945
ALS Sample ID: P170619-MB

Date Collected: NA
Date Received: NA
Date Analyzed: 6/19/17
Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m ³	MRL µg/m ³	MDL µg/m ³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
141-78-6	Ethyl Acetate	ND	1.0	0.35	ND	0.28	0.097	
110-54-3	n-Hexane	ND	0.50	0.15	ND	0.14	0.043	
67-66-3	Chloroform	ND	0.50	0.17	ND	0.10	0.035	
109-99-9	Tetrahydrofuran (THF)	ND	0.50	0.20	ND	0.17	0.068	
107-06-2	1,2-Dichloroethane	ND	0.50	0.16	ND	0.12	0.040	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	ND	0.092	0.031	
71-43-2	Benzene	ND	0.50	0.16	ND	0.16	0.050	
56-23-5	Carbon Tetrachloride	ND	0.50	0.15	ND	0.080	0.024	
110-82-7	Cyclohexane	ND	1.0	0.29	ND	0.29	0.084	
78-87-5	1,2-Dichloropropane	ND	0.50	0.16	ND	0.11	0.035	
75-27-4	Bromodichloromethane	ND	0.50	0.15	ND	0.075	0.022	
79-01-6	Trichloroethene	ND	0.50	0.14	ND	0.093	0.026	
123-91-1	1,4-Dioxane	ND	0.50	0.16	ND	0.14	0.044	
142-82-5	n-Heptane	ND	0.50	0.17	ND	0.12	0.041	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	ND	0.11	0.031	
108-10-1	4-Methyl-2-pentanone	ND	0.50	0.16	ND	0.12	0.039	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	ND	0.11	0.035	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.16	ND	0.092	0.029	
108-88-3	Toluene	ND	0.50	0.17	ND	0.13	0.045	
591-78-6	2-Hexanone	ND	0.50	0.16	ND	0.12	0.039	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: RAPCA
Client Sample ID: Method Blank
Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945
 ALS Sample ID: P170619-MB

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
 Analyst: Lusine Hakobyan
 Sample Type: 6.0 L Silonite Canister
 Test Notes:

Date Collected: NA
 Date Received: NA
 Date Analyzed: 6/19/17
 Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m ³	MRL µg/m ³	MDL µg/m ³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
124-48-1	Dibromochloromethane	ND	0.50	0.16	ND	0.059	0.019	
106-93-4	1,2-Dibromoethane	ND	0.50	0.16	ND	0.065	0.021	
127-18-4	Tetrachloroethene	ND	0.50	0.14	ND	0.074	0.021	
108-90-7	Chlorobenzene	ND	0.50	0.16	ND	0.11	0.035	
100-41-4	Ethylbenzene	ND	0.50	0.16	ND	0.12	0.037	
179601-23-1	m,p-Xylenes	ND	1.0	0.30	ND	0.23	0.069	
75-25-2	Bromoform	ND	0.50	0.15	ND	0.048	0.015	
100-42-5	Styrene	ND	0.50	0.15	ND	0.12	0.035	
95-47-6	o-Xylene	ND	0.50	0.15	ND	0.12	0.035	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.15	ND	0.073	0.022	
98-82-8	Cumene	ND	0.50	0.15	ND	0.10	0.031	
622-96-8	4-Ethyltoluene	ND	0.50	0.16	ND	0.10	0.033	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.16	ND	0.10	0.033	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.15	ND	0.10	0.031	
100-44-7	Benzyl Chloride	ND	0.50	0.11	ND	0.097	0.021	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.15	ND	0.083	0.025	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.14	ND	0.083	0.023	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.15	ND	0.083	0.025	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.16	ND	0.067	0.022	
91-20-3	Naphthalene	ND	0.50	0.18	ND	0.095	0.034	
87-68-3	Hexachlorobutadiene	ND	0.50	0.14	ND	0.047	0.013	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Page 1 of 1

Client: RAPCA
Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
 Analyst: Lusine Hakobyan
 Sample Type: 6.0 L Silonite Canister(s)
 Test Notes:

Date(s) Collected: 6/16/17
 Date(s) Received: 6/19/17
 Date(s) Analyzed: 6/19/17

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4	Toluene-d8	Bromofluorobenzene	Acceptance Limits	Data Qualifier
		Percent Recovered	Percent Recovered	Percent Recovered		
Method Blank	P170619-MB	88	101	97	70-130	
Lab Control Sample	P170619-LCS	88	100	99	70-130	
Can A - 061517	P1702945-001	89	100	100	70-130	
Can B - 061517	P1702945-002	90	100	97	70-130	
Can B - 061517	P1702945-002DUP	90	100	97	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.

Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 3

Client: RAPCA
Client Sample ID: Lab Control Sample
Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945
 ALS Sample ID: P170619-LCS

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
 Analyst: Lusine Hakobyan
 Sample Type: 6.0 L Silonite Canister
 Test Notes:

Date Collected: NA
 Date Received: NA
 Date Analyzed: 6/19/17
 Volume(s) Analyzed: 0.125 Liter(s)

CAS #	Compound	Spike Amount µg/m ³	Result µg/m ³	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
115-07-1	Propene	210	203	97	52-127	
75-71-8	Dichlorodifluoromethane (CFC 12)	210	182	87	68-109	
74-87-3	Chloromethane	210	207	99	51-130	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	211	181	86	66-114	
75-01-4	Vinyl Chloride	210	203	97	61-125	
106-99-0	1,3-Butadiene	210	200	95	62-144	
74-83-9	Bromomethane	210	188	90	73-123	
75-00-3	Chloroethane	210	223	106	69-122	
67-64-1	Acetone	1,060	1060	100	57-117	
75-69-4	Trichlorofluoromethane (CFC 11)	210	184	88	63-98	
67-63-0	2-Propanol (Isopropyl Alcohol)	424	406	96	66-121	
75-35-4	1,1-Dichloroethene	213	211	99	76-118	
75-09-2	Methylene Chloride	212	213	100	60-118	
76-13-1	Trichlorotrifluoroethane (CFC 113)	212	197	93	73-114	
75-15-0	Carbon Disulfide	213	222	104	57-102	L
156-60-5	trans-1,2-Dichloroethene	213	214	100	74-123	
75-34-3	1,1-Dichloroethane	212	210	99	69-111	
1634-04-4	Methyl tert-Butyl Ether	213	199	93	69-113	
108-05-4	Vinyl Acetate	1,060	1180	111	76-128	
78-93-3	2-Butanone (MEK)	212	217	102	63-127	
156-59-2	cis-1,2-Dichloroethene	212	207	98	72-117	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result. Reported results are shown in concentration units and as a result of the calculation, may vary slightly. L = Laboratory control sample recovery outside the specified limits, results may be biased high.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 2 of 3

Client: RAPCA
Client Sample ID: Lab Control Sample
Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945
 ALS Sample ID: P170619-LCS

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
 Analyst: Lusine Hakobyan
 Sample Type: 6.0 L Silonite Canister
 Test Notes:

Date Collected: NA
 Date Received: NA
 Date Analyzed: 6/19/17
 Volume(s) Analyzed: 0.125 Liter(s)

CAS #	Compound	Spike Amount µg/m ³	Result µg/m ³	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
141-78-6	Ethyl Acetate	426	456	107	68-127	
110-54-3	n-Hexane	213	214	100	55-116	
67-66-3	Chloroform	212	195	92	70-109	
109-99-9	Tetrahydrofuran (THF)	213	206	97	72-113	
107-06-2	1,2-Dichloroethane	212	178	84	69-113	
71-55-6	1,1,1-Trichloroethane	212	182	86	72-115	
71-43-2	Benzene	212	202	95	65-107	
56-23-5	Carbon Tetrachloride	213	182	85	71-113	
110-82-7	Cyclohexane	425	421	99	71-115	
78-87-5	1,2-Dichloropropane	212	220	104	71-115	
75-27-4	Bromodichloromethane	214	195	91	75-118	
79-01-6	Trichloroethene	212	199	94	68-114	
123-91-1	1,4-Dioxane	213	216	101	81-131	
142-82-5	n-Heptane	213	214	100	68-116	
10061-01-5	cis-1,3-Dichloropropene	210	213	101	77-126	
108-10-1	4-Methyl-2-pentanone	213	218	102	69-126	
10061-02-6	trans-1,3-Dichloropropene	213	212	100	79-125	
79-00-5	1,1,2-Trichloroethane	212	210	99	75-119	
108-88-3	Toluene	212	208	98	59-118	
591-78-6	2-Hexanone	213	195	92	69-129	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
 Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Page 3 of 3

Client: RAPCA
Client Sample ID: Lab Control Sample
Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945
 ALS Sample ID: P170619-LCS

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16
 Analyst: Lusine Hakobyan
 Sample Type: 6.0 L Silonite Canister
 Test Notes:

Date Collected: NA
 Date Received: NA
 Date Analyzed: 6/19/17
 Volume(s) Analyzed: 0.125 Liter(s)

CAS #	Compound	Spike Amount µg/m ³	Result µg/m ³	% Recovery	ALS	Data Qualifier
					Acceptance Limits	
124-48-1	Dibromochloromethane	213	194	91	74-136	
106-93-4	1,2-Dibromoethane	212	206	97	73-131	
127-18-4	Tetrachloroethene	213	197	92	65-130	
108-90-7	Chlorobenzene	212	204	96	68-120	
100-41-4	Ethylbenzene	212	200	94	68-122	
179601-23-1	m,p-Xylenes	424	390	92	68-123	
75-25-2	Bromoform	212	194	92	69-130	
100-42-5	Styrene	212	212	100	71-133	
95-47-6	o-Xylene	212	195	92	68-122	
79-34-5	1,1,2,2-Tetrachloroethane	212	214	101	69-130	
98-82-8	Cumene	212	197	93	70-123	
622-96-8	4-Ethyltoluene	212	202	95	67-130	
108-67-8	1,3,5-Trimethylbenzene	212	193	91	67-124	
95-63-6	1,2,4-Trimethylbenzene	212	193	91	67-129	
100-44-7	Benzyl Chloride	212	214	101	79-138	
541-73-1	1,3-Dichlorobenzene	212	201	95	65-136	
106-46-7	1,4-Dichlorobenzene	213	203	95	66-141	
95-50-1	1,2-Dichlorobenzene	212	202	95	67-136	
120-82-1	1,2,4-Trichlorobenzene	212	223	105	64-134	
91-20-3	Naphthalene	214	242	113	62-136	
87-68-3	Hexachlorobutadiene	213	200	94	60-133	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
 Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY DUPLICATE SUMMARY RESULTS

Page 1 of 3

Client: RAPCA

Client Sample ID: Can B - 061517

Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945

ALS Sample ID: P1702945-002DUP

Test Code: EPA TO-15

Date Collected: 6/16/17

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 6/19/17

Analyst: Lusine Hakobyan

Date Analyzed: 6/19/17

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS01101

Initial Pressure (psig): -0.03

Final Pressure (psig): 3.55

Canister Dilution Factor: 1.24

Compound	Sample Result		Duplicate Sample Result		Average µg/m ³	% RPD	RPD Limit	Data Qualifier
	µg/m ³	ppbV	µg/m ³	ppbV				
Propene	1.29	0.747	1.42	0.828	1.355	10	25	
Dichlorodifluoromethane (CFC 12)	2.04	0.413	2.04	0.414	2.04	0	25	
Chloromethane	0.298	0.144	0.270	0.131	0.284	10	25	J
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	ND	ND	ND	-	-	25	
Vinyl Chloride	ND	ND	ND	ND	-	-	25	
1,3-Butadiene	ND	ND	ND	ND	-	-	25	
Bromomethane	ND	ND	ND	ND	-	-	25	
Chloroethane	ND	ND	ND	ND	-	-	25	
Acetone	11.9	5.00	11.7	4.92	11.8	2	25	
Trichlorofluoromethane	1.22	0.217	1.22	0.217	1.22	0	25	
2-Propanol (Isopropyl Alcohol)	2.69	1.09	2.57	1.05	2.63	5	25	J
1,1-Dichloroethene	ND	ND	ND	ND	-	-	25	
Methylene Chloride	1.42	0.410	1.43	0.412	1.425	0.7	25	
Trichlorotrifluoroethane	0.453	0.0591	0.445	0.0581	0.449	2	25	J
Carbon Disulfide	ND	ND	ND	ND	-	-	25	
trans-1,2-Dichloroethene	ND	ND	ND	ND	-	-	25	
1,1-Dichloroethane	ND	ND	ND	ND	-	-	25	
Methyl tert-Butyl Ether	ND	ND	ND	ND	-	-	25	
Vinyl Acetate	2.18	0.621	2.11	0.599	2.145	3	25	J
2-Butanone (MEK)	1.38	0.467	1.36	0.463	1.37	1	25	J
cis-1,2-Dichloroethene	ND	ND	ND	ND	-	-	25	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

LABORATORY DUPLICATE SUMMARY RESULTS

Page 2 of 3

Client: RAPCA

Client Sample ID: Can B - 061517

Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945

ALS Sample ID: P1702945-002DUP

Test Code: EPA TO-15

Date Collected: 6/16/17

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 6/19/17

Analyst: Lusine Hakobyan

Date Analyzed: 6/19/17

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS01101

Initial Pressure (psig): -0.03

Final Pressure (psig): 3.55

Canister Dilution Factor: 1.24

Compound	Sample Result		Duplicate Sample Result		Average µg/m ³	% RPD	RPD Limit	Data Qualifier
	µg/m ³	ppbV	µg/m ³	ppbV				
Ethyl Acetate	33.3	9.24	33.3	9.26	33.3	0	25	
n-Hexane	0.475	0.135	0.476	0.135	0.4755	0.2	25	J
Chloroform	ND	ND	ND	ND	-	-	25	
Tetrahydrofuran (THF)	ND	ND	ND	ND	-	-	25	
1,2-Dichloroethane	ND	ND	ND	ND	-	-	25	
1,1,1-Trichloroethane	ND	ND	ND	ND	-	-	25	
Benzene	0.460	0.144	0.455	0.143	0.4575	1	25	J
Carbon Tetrachloride	0.377	0.0600	0.357	0.0568	0.367	5	25	J
Cyclohexane	0.402	0.117	0.383	0.111	0.3925	5	25	J
1,2-Dichloropropane	ND	ND	ND	ND	-	-	25	
Bromodichloromethane	ND	ND	ND	ND	-	-	25	
Trichloroethene	ND	ND	ND	ND	-	-	25	
1,4-Dioxane	ND	ND	ND	ND	-	-	25	
n-Heptane	0.373	0.0911	0.377	0.0920	0.375	1	25	J
cis-1,3-Dichloropropene	ND	ND	ND	ND	-	-	25	
4-Methyl-2-pentanone	0.213	0.0521	0.211	0.0515	0.212	0.9	25	J
trans-1,3-Dichloropropene	ND	ND	ND	ND	-	-	25	
1,1,2-Trichloroethane	ND	ND	ND	ND	-	-	25	
Toluene	2.23	0.592	2.21	0.587	2.22	0.9	25	
2-Hexanone	ND	ND	ND	ND	-	-	25	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

LABORATORY DUPLICATE SUMMARY RESULTS

Page 3 of 3

Client: RAPCA

Client Sample ID: Can B - 061517

Client Project ID: Community Air Toxics Monitoring 2017 / 2017-1

ALS Project ID: P1702945

ALS Sample ID: P1702945-002DUP

Test Code: EPA TO-15

Date Collected: 6/16/17

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 6/19/17

Analyst: Lusine Hakobyan

Date Analyzed: 6/19/17

Sample Type: 6.0 L Silonite Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: AS01101

Initial Pressure (psig): -0.03

Final Pressure (psig): 3.55

Canister Dilution Factor: 1.24

Compound	Sample Result		Duplicate Sample Result		Average µg/m ³	% RPD	RPD Limit	Data Qualifier
	µg/m ³	ppbV	µg/m ³	ppbV				
Dibromochloromethane	ND	ND	ND	ND	-	-	25	
1,2-Dibromoethane	ND	ND	ND	ND	-	-	25	
Tetrachloroethene	ND	ND	ND	ND	-	-	25	
Chlorobenzene	0.577	0.125	0.573	0.124	0.575	0.7	25	J
Ethylbenzene	0.342	0.0788	0.336	0.0774	0.339	2	25	J
m,p-Xylenes	1.08	0.248	1.08	0.248	1.08	0	25	J
Bromoform	ND	ND	ND	ND	-	-	25	
Styrene	0.195	0.0457	0.186	0.0437	0.1905	5	25	J
o-Xylene	0.346	0.0797	0.347	0.0800	0.3465	0.3	25	J
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	-	-	25	
Cumene	ND	ND	ND	ND	-	-	25	
4-Ethyltoluene	ND	ND	ND	ND	-	-	25	
1,3,5-Trimethylbenzene	ND	ND	ND	ND	-	-	25	
1,2,4-Trimethylbenzene	0.226	0.0459	0.228	0.0464	0.227	0.9	25	J
Benzyl Chloride	ND	ND	ND	ND	-	-	25	
1,3-Dichlorobenzene	ND	ND	ND	ND	-	-	25	
1,4-Dichlorobenzene	ND	ND	ND	ND	-	-	25	
1,2-Dichlorobenzene	ND	ND	ND	ND	-	-	25	
1,2,4-Trichlorobenzene	ND	ND	ND	ND	-	-	25	
Naphthalene	0.387	0.0738	0.347	0.0663	0.367	11	25	J
Hexachlorobutadiene	ND	ND	ND	ND	-	-	25	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.