

Appendix E

Air Laboratory Analytical Reports

11/9/2012

Ms. Elisabeth Silver

ECC Horizon

1101 Andover Park W.

Suite 101

Seattle WA 98188

Project Name: Cherry Cleaners

Project #: W-S2510EC-I

Workorder #: 1210622

Dear Ms. Elisabeth Silver

The following report includes the data for the above referenced project for sample(s) received on 10/29/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner

Project Manager

WORK ORDER #: 1210622

Work Order Summary

CLIENT: Ms. Elisabeth Silver
ECC Horizon
1101 Andover Park W.
Suite 101
Seattle, WA 98188

BILL TO: Accounts Payable
ECC Horizon
One Emery Ave.
Randolph, NJ 07869

PHONE: 206-518-6120

P.O. # 360

FAX:

PROJECT # W-S2510EC-I Cherry Cleaners

DATE RECEIVED: 10/29/2012

CONTACT: Kelly Buettner

DATE COMPLETED: 11/09/2012

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	AMB-1	Modified TO-15 SIM	4.0 "Hg	5 psi
02A	SV-2 TWILIGHT	Modified TO-15 SIM	7.0 "Hg	5 psi
03A	SV-3 TWILIGHT	Modified TO-15 SIM	7.0 "Hg	5 psi
04A	SV-4 TWILIGHT	Modified TO-15 SIM	8.0 "Hg	5 psi
05A	IA-2 TWILIGHT	Modified TO-15 SIM	7.5 "Hg	5 psi
06A	IA-3 TWILIGHT	Modified TO-15 SIM	9.0 "Hg	5 psi
07A	Lab Blank	Modified TO-15 SIM	NA	NA
07B	Lab Blank	Modified TO-15 SIM	NA	NA
08A	CCV	Modified TO-15 SIM	NA	NA
08B	CCV	Modified TO-15 SIM	NA	NA
09A	LCS	Modified TO-15 SIM	NA	NA
09AA	LCSD	Modified TO-15 SIM	NA	NA
09B	LCS	Modified TO-15 SIM	NA	NA
09BB	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:



Technical Director

DATE: 11/09/12

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291,
TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2011, Expiration date: 10/17/2012.

Eurofins Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-15 SIM
ECC Horizon
Workorder# 1210622

Six 6 Liter Summa Canister (SIM Certified) samples were received on October 29, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
ICAL %RSD acceptance criteria	$\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD	Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD
Daily Calibration	$\pm 30\%$ Difference	Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

Sample collection date was incomplete on the Chain of Custody for all samples. The year of collection was assumed to be 2012.

Analytical Notes

Samples SV-2 TWILIGHT, SV-3 TWILIGHT, and SV-4 TWILIGHT was transferred from SIM analysis to full scan TO-15 due to high levels of target compounds.

Dilution was performed on samples SV-2 TWILIGHT, SV-3 TWILIGHT, and SV-4 TWILIGHT due to the presence of high level target species.

1,1,2,2-Tetrachloroethane was detected in the laboratory blank analyzed on 10/31/12 at less than 5X the reporting limit. Associated samples had no detections for 1,1,2,2-Tetrachloroethane.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV and/or LCS.
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: AMB-1

Lab ID#: 1210622-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.078	0.25	0.25	0.81
Toluene	0.031	2.9	0.12	11
Tetrachloroethene	0.031	0.10	0.21	0.68
Ethyl Benzene	0.031	0.12	0.13	0.54
m,p-Xylene	0.062	0.35	0.27	1.5
o-Xylene	0.031	0.13	0.13	0.55

Client Sample ID: SV-2 TWILIGHT

Lab ID#: 1210622-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	18	5200	120	36000

Client Sample ID: SV-3 TWILIGHT

Lab ID#: 1210622-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	14	4200	99	28000

Client Sample ID: SV-4 TWILIGHT

Lab ID#: 1210622-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	46	16000	310	110000

Client Sample ID: IA-2 TWILIGHT

Lab ID#: 1210622-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.090	0.32	0.28	1.0
Toluene	0.036	0.55	0.13	2.1
Tetrachloroethene	0.036	1.0	0.24	6.9

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IA-2 TWILIGHT

Lab ID#: 1210622-05A

Ethyl Benzene	0.036	0.091	0.16	0.40
m,p-Xylene	0.072	0.26	0.31	1.2
o-Xylene	0.036	0.095	0.16	0.41

Client Sample ID: IA-3 TWILIGHT

Lab ID#: 1210622-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.096	0.30	0.30	0.97
Toluene	0.038	0.53	0.14	2.0
Tetrachloroethene	0.038	1.0	0.26	6.8
Ethyl Benzene	0.038	0.081	0.16	0.35
m,p-Xylene	0.076	0.25	0.33	1.1
o-Xylene	0.038	0.092	0.16	0.40



Air Toxics

Client Sample ID: AMB-1

Lab ID#: 1210622-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: e103116sim
Dil. Factor: 1.55

Date of Collection: 10/23/12 4:00:00 PM
Date of Analysis: 10/31/12 09:33 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.061	Not Detected
1,1-Dichloroethane	0.031	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.031	Not Detected	0.12	Not Detected
1,1,1-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Benzene	0.078	0.25	0.25	0.81
1,2-Dichloroethane	0.031	Not Detected	0.12	Not Detected
Trichloroethene	0.031	Not Detected	0.17	Not Detected
Toluene	0.031	2.9	0.12	11
1,1,2-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Tetrachloroethene	0.031	0.10	0.21	0.68
Ethyl Benzene	0.031	0.12	0.13	0.54
m,p-Xylene	0.062	0.35	0.27	1.5
o-Xylene	0.031	0.13	0.13	0.55
1,1,2,2-Tetrachloroethane	0.031	Not Detected	0.21	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.61	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.56	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: SV-2 TWILIGHT

Lab ID#: 1210622-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	o110214	Date of Collection: 10/23/12 4:10:00 PM
Dil. Factor:	35.0	Date of Analysis: 11/2/12 11:18 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	18	Not Detected	45	Not Detected
1,1-Dichloroethene	18	Not Detected	69	Not Detected
Methyl tert-butyl ether	18	Not Detected	63	Not Detected
trans-1,2-Dichloroethene	18	Not Detected	69	Not Detected
1,1-Dichloroethane	18	Not Detected	71	Not Detected
cis-1,2-Dichloroethene	18	Not Detected	69	Not Detected
1,1,1-Trichloroethane	18	Not Detected	95	Not Detected
1,2-Dichloroethane	18	Not Detected	71	Not Detected
Trichloroethene	18	Not Detected	94	Not Detected
Toluene	18	Not Detected	66	Not Detected
1,1,2-Trichloroethane	18	Not Detected	95	Not Detected
Tetrachloroethene	18	5200	120	36000
Ethyl Benzene	18	Not Detected	76	Not Detected
m,p-Xylene	18	Not Detected	76	Not Detected
o-Xylene	18	Not Detected	76	Not Detected
1,1,2,2-Tetrachloroethane	18	Not Detected	120	Not Detected
Benzene	18	Not Detected	56	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	82	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: SV-3 TWILIGHT

Lab ID#: 1210622-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	o110215	Date of Collection:	10/23/12 4:20:00 PM
Dil. Factor:	29.1	Date of Analysis:	11/2/12 11:55 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	14	Not Detected	37	Not Detected
1,1-Dichloroethene	14	Not Detected	58	Not Detected
Methyl tert-butyl ether	14	Not Detected	52	Not Detected
trans-1,2-Dichloroethene	14	Not Detected	58	Not Detected
1,1-Dichloroethane	14	Not Detected	59	Not Detected
cis-1,2-Dichloroethene	14	Not Detected	58	Not Detected
1,1,1-Trichloroethane	14	Not Detected	79	Not Detected
1,2-Dichloroethane	14	Not Detected	59	Not Detected
Trichloroethene	14	Not Detected	78	Not Detected
Toluene	14	Not Detected	55	Not Detected
1,1,2-Trichloroethane	14	Not Detected	79	Not Detected
Tetrachloroethene	14	4200	99	28000
Ethyl Benzene	14	Not Detected	63	Not Detected
m,p-Xylene	14	Not Detected	63	Not Detected
o-Xylene	14	Not Detected	63	Not Detected
1,1,2,2-Tetrachloroethane	14	Not Detected	100	Not Detected
Benzene	14	Not Detected	46	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	92	70-130
1,2-Dichloroethane-d4	82	70-130
4-Bromofluorobenzene	103	70-130



Air Toxics

Client Sample ID: SV-4 TWILIGHT

Lab ID#: 1210622-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	o110216	Date of Collection: 10/23/12 4:30:00 PM
Dil. Factor:	91.4	Date of Analysis: 11/3/12 12:32 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	46	Not Detected	120	Not Detected
1,1-Dichloroethene	46	Not Detected	180	Not Detected
Methyl tert-butyl ether	46	Not Detected	160	Not Detected
trans-1,2-Dichloroethene	46	Not Detected	180	Not Detected
1,1-Dichloroethane	46	Not Detected	180	Not Detected
cis-1,2-Dichloroethene	46	Not Detected	180	Not Detected
1,1,1-Trichloroethane	46	Not Detected	250	Not Detected
1,2-Dichloroethane	46	Not Detected	180	Not Detected
Trichloroethene	46	Not Detected	240	Not Detected
Toluene	46	Not Detected	170	Not Detected
1,1,2-Trichloroethane	46	Not Detected	250	Not Detected
Tetrachloroethene	46	16000	310	110000
Ethyl Benzene	46	Not Detected	200	Not Detected
m,p-Xylene	46	Not Detected	200	Not Detected
o-Xylene	46	Not Detected	200	Not Detected
1,1,1,2-Tetrachloroethane	46	Not Detected	310	Not Detected
Benzene	46	Not Detected	140	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	91	70-130
1,2-Dichloroethane-d4	83	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: IA-2 TWILIGHT

Lab ID#: 1210622-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e103119sim	Date of Collection:	10/23/12 4:35:00 PM
Dil. Factor:	1.79	Date of Analysis:	10/31/12 11:49 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.018	Not Detected	0.046	Not Detected
1,1-Dichloroethene	0.018	Not Detected	0.071	Not Detected
1,1-Dichloroethane	0.036	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.036	Not Detected	0.14	Not Detected
1,1,1-Trichloroethane	0.036	Not Detected	0.20	Not Detected
Benzene	0.090	0.32	0.28	1.0
1,2-Dichloroethane	0.036	Not Detected	0.14	Not Detected
Trichloroethene	0.036	Not Detected	0.19	Not Detected
Toluene	0.036	0.55	0.13	2.1
1,1,2-Trichloroethane	0.036	Not Detected	0.20	Not Detected
Tetrachloroethene	0.036	1.0	0.24	6.9
Ethyl Benzene	0.036	0.091	0.16	0.40
m,p-Xylene	0.072	0.26	0.31	1.2
o-Xylene	0.036	0.095	0.16	0.41
1,1,2,2-Tetrachloroethane	0.036	Not Detected	0.24	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.64	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: IA-3 TWILIGHT

Lab ID#: 1210622-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e103118sim	Date of Collection: 10/23/12 4:40:00 PM
Dil. Factor:	1.91	Date of Analysis: 10/31/12 10:59 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.019	Not Detected	0.049	Not Detected
1,1-Dichloroethene	0.019	Not Detected	0.076	Not Detected
1,1-Dichloroethane	0.038	Not Detected	0.15	Not Detected
cis-1,2-Dichloroethene	0.038	Not Detected	0.15	Not Detected
1,1,1-Trichloroethane	0.038	Not Detected	0.21	Not Detected
Benzene	0.096	0.30	0.30	0.97
1,2-Dichloroethane	0.038	Not Detected	0.15	Not Detected
Trichloroethene	0.038	Not Detected	0.20	Not Detected
Toluene	0.038	0.53	0.14	2.0
1,1,2-Trichloroethane	0.038	Not Detected	0.21	Not Detected
Tetrachloroethene	0.038	1.0	0.26	6.8
Ethyl Benzene	0.038	0.081	0.16	0.35
m,p-Xylene	0.076	0.25	0.33	1.1
o-Xylene	0.038	0.092	0.16	0.40
1,1,2,2-Tetrachloroethane	0.038	Not Detected	0.26	Not Detected
trans-1,2-Dichloroethene	0.19	Not Detected	0.76	Not Detected
Methyl tert-butyl ether	0.19	Not Detected	0.69	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1210622-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	o110207	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 11/2/12 01:53 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: Lab Blank

Lab ID#: 1210622-07B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e103105sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/31/12 11:19 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,1,2,2-Tetrachloroethane	0.020	0.034	0.14	0.23
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	99	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1210622-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: o110202
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 11/2/12 10:49 AM

Compound	%Recovery
Vinyl Chloride	97
1,1-Dichloroethene	99
Methyl tert-butyl ether	95
trans-1,2-Dichloroethene	97
1,1-Dichloroethane	97
cis-1,2-Dichloroethene	97
1,1,1-Trichloroethane	88
1,2-Dichloroethane	86
Trichloroethene	92
Toluene	94
1,1,2-Trichloroethane	94
Tetrachloroethene	87
Ethyl Benzene	96
m,p-Xylene	95
o-Xylene	96
1,1,2,2-Tetrachloroethane	98
Benzene	93

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	86	70-130
4-Bromofluorobenzene	98	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1210622-08B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: e103102sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 10/31/12 08:42 AM

Compound	%Recovery
Vinyl Chloride	86
1,1-Dichloroethene	79
1,1-Dichloroethane	89
cis-1,2-Dichloroethene	97
1,1,1-Trichloroethane	86
Benzene	87
1,2-Dichloroethane	90
Trichloroethene	88
Toluene	100
1,1,2-Trichloroethane	91
Tetrachloroethene	93
Ethyl Benzene	106
m,p-Xylene	110
o-Xylene	108
1,1,2,2-Tetrachloroethane	88
trans-1,2-Dichloroethene	93
Methyl tert-butyl ether	99

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	109	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1210622-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: o110203
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 11/2/12 11:26 AM

Compound	%Recovery
Vinyl Chloride	103
1,1-Dichloroethene	110
Methyl tert-butyl ether	101
trans-1,2-Dichloroethene	115
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	103
1,1,1-Trichloroethane	92
1,2-Dichloroethane	91
Trichloroethene	96
Toluene	98
1,1,2-Trichloroethane	98
Tetrachloroethene	91
Ethyl Benzene	100
m,p-Xylene	103
o-Xylene	102
1,1,2,2-Tetrachloroethane	102
Benzene	98

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	92	70-130
1,2-Dichloroethane-d4	86	70-130
4-Bromofluorobenzene	98	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1210622-09AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: o110204
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 11/2/12 12:02 PM

Compound	%Recovery
Vinyl Chloride	100
1,1-Dichloroethene	108
Methyl tert-butyl ether	98
trans-1,2-Dichloroethene	112
1,1-Dichloroethane	97
cis-1,2-Dichloroethene	99
1,1,1-Trichloroethane	90
1,2-Dichloroethane	88
Trichloroethene	95
Toluene	97
1,1,2-Trichloroethane	97
Tetrachloroethene	91
Ethyl Benzene	98
m,p-Xylene	100
o-Xylene	100
1,1,2,2-Tetrachloroethane	102
Benzene	96

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	86	70-130
4-Bromofluorobenzene	97	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1210622-09B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: e103103sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 10/31/12 09:25 AM

Compound	%Recovery
Vinyl Chloride	73
1,1-Dichloroethene	77
1,1-Dichloroethane	80
cis-1,2-Dichloroethene	90
1,1,1-Trichloroethane	81
Benzene	78
1,2-Dichloroethane	80
Trichloroethene	81
Toluene	90
1,1,2-Trichloroethane	86
Tetrachloroethene	85
Ethyl Benzene	93
m,p-Xylene	98
o-Xylene	96
1,1,2,2-Tetrachloroethane	80
trans-1,2-Dichloroethene	96
Methyl tert-butyl ether	90

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	105	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1210622-09BB

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: e103104sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 10/31/12 10:27 AM

Compound	%Recovery
Vinyl Chloride	82
1,1-Dichloroethene	79
1,1-Dichloroethane	80
cis-1,2-Dichloroethene	90
1,1,1-Trichloroethane	81
Benzene	77
1,2-Dichloroethane	79
Trichloroethene	81
Toluene	89
1,1,2-Trichloroethane	82
Tetrachloroethene	84
Ethyl Benzene	94
m,p-Xylene	98
o-Xylene	97
1,1,2,2-Tetrachloroethane	81
trans-1,2-Dichloroethene	96
Methyl tert-butyl ether	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	107	70-130



Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

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FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Project Manager ELISABETH SILVER

Collected by: (Print and Sign) DAVID ROBERT HUBNER

Company ECC HOLDING Email esilver@eccholding.com

Address 1101 ANDOVER PARK V City TRUCKEE State CA Zip 96184

Phone 206-518-6130 Fax 206-518-6123

Project Info:

P.O. # 360

Project # M-S2510EC-I

Project Name CHEMICAL CLEANUP

Turn Around Time:

☒ Normal

☐ Rush

Lab Use Only
Pressurized by:

Date:

Pressurization Gas:

N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum		
						Initial	Final	Receptl Final

01A	AMB-1	9579	10/23	1600	TB-15 LL SIM	-30	-5	
-----	-------	------	-------	------	--------------	-----	----	--

02A	SV-2 TWILIGHT	34023	10/23	1610	TB-15 LL SIM	-28.5	-6	
-----	---------------	-------	-------	------	--------------	-------	----	--

03A	SV-3 TWILIGHT	34034	10/23	1620	"	-30	-7	
-----	---------------	-------	-------	------	---	-----	----	--

04A	SV-4 TWILIGHT	10786	10/23	1630	"	-30	-8	
-----	---------------	-------	-------	------	---	-----	----	--

05A	IA-2 TWILIGHT	9913	10/23	1635	"	-29.5	-8	
-----	---------------	------	-------	------	---	-------	----	--

06A	IA-3 TWILIGHT	34250	10/23	1640	"	-29	-8	
-----	---------------	-------	-------	------	---	-----	----	--

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	Notes:
------------------------------	-----------	--------------------------	-----------	--------

<u>David Robert Hubner</u>	10/25/12 1300	<u>Elisabeth Silver</u>	10/29/12	<u>WHS</u>
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Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	
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Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	
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Lab	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
-----	--------------	------------	-----------	-----------	-----------------------	--------------

Use Only	<u>UPS</u>		<u>W/A</u>	<u>Good</u>	Yes ☐ No ☐ None ☒	<u>1210622</u>
----------	------------	--	------------	-------------	---	----------------

11/9/2012

Mr. Robert Huebner

ECC Horizon

1101 Andover Park W.

Suite 101

Seattle WA 98188

Project Name: Cherry Cleaners

Project #: W-S2510EC-I

Workorder #: 1210623A

Dear Mr. Robert Huebner

The following report includes the data for the above referenced project for sample(s) received on 10/29/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner

Project Manager

WORK ORDER #: 1210623A

Work Order Summary

CLIENT: Mr. Robert Huebner
ECC Horizon
1101 Andover Park W.
Suite 101
Seattle, WA 98188

BILL TO: Accounts Payable
ECC Horizon
One Emery Ave.
Randolph, NJ 07869

PHONE: 206-518-6120

P.O. # 360

FAX:

PROJECT # W-S2510EC-I Cherry Cleaners

DATE RECEIVED: 10/29/2012

CONTACT: Kelly Buettner

DATE COMPLETED: 11/09/2012

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SV-5 TANA MKT.	Modified TO-15 SIM	6.0 "Hg	5 psi
02A	SV-6 TANA MKT.	Modified TO-15 SIM	6.0 "Hg	5 psi
03A	SV-7 TANA MKT.	Modified TO-15 SIM	6.2 "Hg	5 psi
04A	Lab Blank	Modified TO-15 SIM	NA	NA
05A	CCV	Modified TO-15 SIM	NA	NA
06A	LCS	Modified TO-15 SIM	NA	NA
06AA	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:



Technical Director

DATE: 11/09/12

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291,
TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2011, Expiration date: 10/17/2012.

Eurofins Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563

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LABORATORY NARRATIVE
Modified TO-15 SIM
ECC Horizon
Workorder# 1210623A

Three 6 Liter Summa Canister (SIM Certified) samples were received on October 29, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
ICAL %RSD acceptance criteria	$\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD	Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD
Daily Calibration	$\pm 30\%$ Difference	Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

Sample collection date was incomplete on the Chain of Custody for all samples. The year of collection was assumed to be 2012.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: SV-5 TANA MKT.

Lab ID#: 1210623A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.084	0.10	0.27	0.33
Toluene	0.034	0.29	0.13	1.1
Tetrachloroethene	0.034	3.0	0.23	20
m,p-Xylene	0.067	0.079	0.29	0.34

Client Sample ID: SV-6 TANA MKT.

Lab ID#: 1210623A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.084	0.13	0.27	0.41
Toluene	0.034	0.38	0.13	1.4
Tetrachloroethene	0.034	0.13	0.23	0.90
Ethyl Benzene	0.034	0.045	0.14	0.20
m,p-Xylene	0.067	0.16	0.29	0.68
o-Xylene	0.034	0.072	0.14	0.31

Client Sample ID: SV-7 TANA MKT.

Lab ID#: 1210623A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.084	0.16	0.27	0.50
Toluene	0.034	0.68	0.13	2.5
Tetrachloroethene	0.034	0.26	0.23	1.8
Ethyl Benzene	0.034	0.083	0.15	0.36
m,p-Xylene	0.068	0.28	0.29	1.2
o-Xylene	0.034	0.098	0.15	0.42



Air Toxics

Client Sample ID: SV-5 TANA MKT.

Lab ID#: 1210623A-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e110607sim	Date of Collection: 10/24/12 7:25:00 PM
Dil. Factor:	1.68	Date of Analysis: 11/6/12 01:35 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Benzene	0.084	0.10	0.27	0.33
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
Toluene	0.034	0.29	0.13	1.1
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	3.0	0.23	20
Ethyl Benzene	0.034	Not Detected	0.14	Not Detected
m,p-Xylene	0.067	0.079	0.29	0.34
o-Xylene	0.034	Not Detected	0.14	Not Detected
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	86	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	98	70-130



Air Toxics

Client Sample ID: SV-6 TANA MKT.

Lab ID#: 1210623A-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e110608sim	Date of Collection:	10/24/12 7:00:00 PM
Dil. Factor:	1.68	Date of Analysis:	11/6/12 02:25 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Benzene	0.084	0.13	0.27	0.41
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
Toluene	0.034	0.38	0.13	1.4
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.13	0.23	0.90
Ethyl Benzene	0.034	0.045	0.14	0.20
m,p-Xylene	0.067	0.16	0.29	0.68
o-Xylene	0.034	0.072	0.14	0.31
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: SV-7 TANA MKT.

Lab ID#: 1210623A-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e110609sim	Date of Collection: 10/24/12 7:15:00 PM
Dil. Factor:	1.69	Date of Analysis: 11/6/12 03:25 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Benzene	0.084	0.16	0.27	0.50
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
Toluene	0.034	0.68	0.13	2.5
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.26	0.23	1.8
Ethyl Benzene	0.034	0.083	0.15	0.36
m,p-Xylene	0.068	0.28	0.29	1.2
o-Xylene	0.034	0.098	0.15	0.42
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.61	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1210623A-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: e110606sim

Date of Collection: NA

Dil. Factor: 1.00

Date of Analysis: 11/6/12 12:41 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1210623A-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: e110602sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 11/6/12 09:12 AM

Compound	%Recovery
Vinyl Chloride	82
1,1-Dichloroethene	71
1,1-Dichloroethane	82
cis-1,2-Dichloroethene	93
1,1,1-Trichloroethane	77
Benzene	91
1,2-Dichloroethane	86
Trichloroethene	90
Toluene	103
1,1,2-Trichloroethane	93
Tetrachloroethene	93
Ethyl Benzene	106
m,p-Xylene	110
o-Xylene	108
1,1,2,2-Tetrachloroethane	90
trans-1,2-Dichloroethene	89
Methyl tert-butyl ether	87

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	86	70-130
Toluene-d8	111	70-130
4-Bromofluorobenzene	110	70-130

Client Sample ID: LCS

Lab ID#: 1210623A-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: e110603sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 11/6/12 09:51 AM

Compound	%Recovery
Vinyl Chloride	83
1,1-Dichloroethene	77
1,1-Dichloroethane	80
cis-1,2-Dichloroethene	92
1,1,1-Trichloroethane	78
Benzene	85
1,2-Dichloroethane	80
Trichloroethene	86
Toluene	96
1,1,2-Trichloroethane	90
Tetrachloroethene	89
Ethyl Benzene	100
m,p-Xylene	105
o-Xylene	101
1,1,2,2-Tetrachloroethane	90
trans-1,2-Dichloroethene	99
Methyl tert-butyl ether	85

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	84	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	106	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1210623A-06AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: e110604sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 11/6/12 10:43 AM

Compound	%Recovery
Vinyl Chloride	83
1,1-Dichloroethene	79
1,1-Dichloroethane	80
cis-1,2-Dichloroethene	92
1,1,1-Trichloroethane	77
Benzene	83
1,2-Dichloroethane	78
Trichloroethene	85
Toluene	94
1,1,2-Trichloroethane	89
Tetrachloroethene	87
Ethyl Benzene	98
m,p-Xylene	103
o-Xylene	100
1,1,2,2-Tetrachloroethane	87
trans-1,2-Dichloroethene	99
Methyl tert-butyl ether	87

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	105	70-130



Air Toxics Ltd.

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

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FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Project Manager ELISABETH SILVER

Collected by: (Print and Sign) DANIEL ROBERT HUBBARD

Company ELC HOLDINGS Email _____

Address 1101 ANDERSON PARKWAY City TYLER State WA Zip 98188

Phone 206-518-6120 Fax 206-518-6123

Project Info:

P.O. # 360

Project # W-52510 EEC-I

Project Name CHEMICAL CLEANERS

Turn Around Time:

☒ Normal

☐ Rush

Lab Use Only
Pressurized by: _____

Date: _____

Pressurization Gas: _____

specify N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum		
						Initial	Final	Receipt Final (psi)
QNA	SV-5 TANA MKT.	33884	10/24	1925	To-15 Lc SIM	7-30	-7	
QNA	SV-6 TANA MKT.	34438	10/24	1900		7-30	-7	
QNA	SV-7 TANA MKT.	11035	10/24	1915		-28	-7	
QNA	IA-4 TANA MKT.	32106	10/24	1930		-29.5	-7	
QNA	IA-5 TANA MKT.	02329	10/24	1935		-26.5	-5	

Relinquished by: (signature) _____ Date/Time _____

Received by: (signature) _____ Date/Time _____

Notes:

Relinquished by: (signature) _____ Date/Time _____

Received by: (signature) _____ Date/Time _____

Relinquished by: (signature) _____ Date/Time _____

Received by: (signature) _____ Date/Time _____

Lab Shipper Name	Air Bill #	Temp (C)	Condition	Custody Seal-Intact?	Work Order #
Use Only	UPS	14	Good	Yes No None	1210623

11/13/2012

Ms. Elisabeth Silver

ECC Horizon

1101 Andover Park W.

Suite 101

Seattle WA 98188

Project Name: Cherry Cleaners

Project #: W-S2510EC-I

Workorder #: 1210351R1

Dear Ms. Elisabeth Silver

The following report includes the data for the above referenced project for sample(s) received on 10/16/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner

Project Manager

WORK ORDER #: 1210351R1

Work Order Summary

CLIENT: Ms. Elisabeth Silver
ECC Horizon
1101 Andover Park W.
Suite 101
Seattle, WA 98188

BILL TO: Accounts Payable
ECC Horizon
One Emery Ave.
Randolph, NJ 07869

PHONE: 206-518-6120

P.O. # W-S2510EC-I

FAX:

PROJECT # W-S2510EC-I Cherry Cleaners

DATE RECEIVED: 10/16/2012

CONTACT: Kelly Buettner

DATE COMPLETED: 11/01/2012

DATE REISSUED: 11/13/2012

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	IA-1	Modified TO-15 SIM	5.8 "Hg	5 psi
02A	VP-1	Modified TO-15 SIM	4.6 "Hg	5 psi
03A	Lab Blank	Modified TO-15 SIM	NA	NA
03B	Lab Blank	Modified TO-15 SIM	NA	NA
04A	CCV	Modified TO-15 SIM	NA	NA
04B	CCV	Modified TO-15 SIM	NA	NA
05A	LCS	Modified TO-15 SIM	NA	NA
05AA	LCSD	Modified TO-15 SIM	NA	NA
05B	LCS	Modified TO-15 SIM	NA	NA
05BB	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:



Technical Director

DATE: 11/13/12

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291,
TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2011, Expiration date: 10/17/2012.

Eurofins Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

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LABORATORY NARRATIVE
Modified TO-15 SIM
ECC Horizon
Workorder# 1210351R1

Two 6 Liter Summa Canister (SIM Certified) samples were received on October 16, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
ICAL %RSD acceptance criteria	$\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD	Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD
Daily Calibration	$\pm 30\%$ Difference	Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

Sample identification for samples IA-1 and VP-1 were provided on the Chain of Custody but were not unique. The information on the sample tag was used to process and report the sample.

Sample identifications on the Chain of Custody (COC) were not unique. The sample tag ID's were used.

The Chain of Custody contained incorrect method information. ATL proceeded with the analysis as per the original contract or verbal agreement.

Analytical Notes

Sample VP-1 was transferred from SIM analysis to full scan TO-15 due to high levels of target compounds.

THE WORKORDER WAS REISSUED ON NOVEMBER 13, 2012 TO REPORT ADDITIONAL COMPOUNDS PER CLIENT'S REQUEST.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IA-1

Lab ID#: 1210351R1-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.033	0.044	0.13	0.17
Benzene	0.083	0.24	0.26	0.78
Trichloroethene	0.033	0.40	0.18	2.1
Toluene	0.033	1.4	0.12	5.3
Tetrachloroethene	0.033	30	0.22	200
Ethyl Benzene	0.033	0.30	0.14	1.3
m,p-Xylene	0.066	1.0	0.29	4.4
o-Xylene	0.033	0.26	0.14	1.1

Client Sample ID: VP-1

Lab ID#: 1210351R1-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	360	1600	1900	8700
Tetrachloroethene	360	41000	2400	280000



Air Toxics

Client Sample ID: IA-1

Lab ID#: 1210351R1-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e102218simr1	Date of Collection: 10/12/12 2:45:00 PM
Dil. Factor:	1.66	Date of Analysis: 10/22/12 10:00 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.042	Not Detected
1,1-Dichloroethene	0.017	Not Detected	0.066	Not Detected
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	0.044	0.13	0.17
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Benzene	0.083	0.24	0.26	0.78
1,2-Dichloroethane	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	0.40	0.18	2.1
Toluene	0.033	1.4	0.12	5.3
1,1,2-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	30	0.22	200
Ethyl Benzene	0.033	0.30	0.14	1.3
m,p-Xylene	0.066	1.0	0.29	4.4
o-Xylene	0.033	0.26	0.14	1.1
1,1,2,2-Tetrachloroethane	0.033	Not Detected	0.23	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.66	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: VP-1

Lab ID#: 1210351R1-02A

EPA METHOD TO-15 GC/MS

File Name:	14102510r1	Date of Collection: 10/12/12 2:45:00 PM
Dil. Factor:	71.8	Date of Analysis: 10/25/12 01:48 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	360	Not Detected	920	Not Detected
1,1-Dichloroethene	360	Not Detected	1400	Not Detected
Methyl tert-butyl ether	360	Not Detected	1300	Not Detected
trans-1,2-Dichloroethene	360	Not Detected	1400	Not Detected
1,1-Dichloroethane	360	Not Detected	1400	Not Detected
cis-1,2-Dichloroethene	360	Not Detected	1400	Not Detected
1,1,1-Trichloroethane	360	Not Detected	2000	Not Detected
Benzene	360	Not Detected	1100	Not Detected
1,2-Dichloroethane	360	Not Detected	1400	Not Detected
Trichloroethene	360	1600	1900	8700
Toluene	360	Not Detected	1400	Not Detected
1,1,2-Trichloroethane	360	Not Detected	2000	Not Detected
Tetrachloroethene	360	41000	2400	280000
Ethyl Benzene	360	Not Detected	1600	Not Detected
m,p-Xylene	360	Not Detected	1600	Not Detected
o-Xylene	360	Not Detected	1600	Not Detected
1,1,2,2-Tetrachloroethane	360	Not Detected	2500	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	98	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1210351R1-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e102206sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/22/12 11:06 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	99	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1210351R1-03B

EPA METHOD TO-15 GC/MS

File Name: 14102506
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 10/25/12 11:52 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	5.0	Not Detected	13	Not Detected
1,1-Dichloroethene	5.0	Not Detected	20	Not Detected
Methyl tert-butyl ether	5.0	Not Detected	18	Not Detected
trans-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
1,1-Dichloroethane	5.0	Not Detected	20	Not Detected
cis-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Benzene	5.0	Not Detected	16	Not Detected
1,2-Dichloroethane	5.0	Not Detected	20	Not Detected
Trichloroethene	5.0	Not Detected	27	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
1,1,2-Trichloroethane	5.0	Not Detected	27	Not Detected
Tetrachloroethene	5.0	Not Detected	34	Not Detected
Ethyl Benzene	5.0	Not Detected	22	Not Detected
m,p-Xylene	5.0	Not Detected	22	Not Detected
o-Xylene	5.0	Not Detected	22	Not Detected
1,1,2,2-Tetrachloroethane	5.0	Not Detected	34	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1210351R1-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: e102202sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 10/22/12 07:58 AM

Compound	%Recovery
Vinyl Chloride	95
1,1-Dichloroethene	87
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	106
1,1,1-Trichloroethane	97
Benzene	92
1,2-Dichloroethane	100
Trichloroethene	94
Toluene	106
1,1,2-Trichloroethane	96
Tetrachloroethene	99
Ethyl Benzene	114
m,p-Xylene	120
o-Xylene	120
1,1,2,2-Tetrachloroethane	92
trans-1,2-Dichloroethene	102
Methyl tert-butyl ether	115

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	108	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1210351R1-04B

EPA METHOD TO-15 GC/MS

File Name: 14102502
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 10/25/12 10:23 AM

Compound	%Recovery
Vinyl Chloride	95
1,1-Dichloroethene	103
Methyl tert-butyl ether	90
trans-1,2-Dichloroethene	101
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	103
1,1,1-Trichloroethane	96
Benzene	98
1,2-Dichloroethane	104
Trichloroethene	97
Toluene	96
1,1,2-Trichloroethane	100
Tetrachloroethene	98
Ethyl Benzene	94
m,p-Xylene	94
o-Xylene	96
1,1,2,2-Tetrachloroethane	102

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1210351R1-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: e102203sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 10/22/12 08:42 AM

Compound	%Recovery
Vinyl Chloride	83
1,1-Dichloroethene	81
1,1-Dichloroethane	84
cis-1,2-Dichloroethene	92
1,1,1-Trichloroethane	86
Benzene	76
1,2-Dichloroethane	82
Trichloroethene	79
Toluene	90
1,1,2-Trichloroethane	82
Tetrachloroethene	84
Ethyl Benzene	97
m,p-Xylene	105
o-Xylene	103
1,1,2,2-Tetrachloroethane	82
trans-1,2-Dichloroethene	98
Methyl tert-butyl ether	99

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	110	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1210351R1-05AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: e102204sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 10/22/12 09:24 AM

Compound	%Recovery
Vinyl Chloride	81
1,1-Dichloroethene	82
1,1-Dichloroethane	83
cis-1,2-Dichloroethene	92
1,1,1-Trichloroethane	84
Benzene	75
1,2-Dichloroethane	80
Trichloroethene	79
Toluene	88
1,1,2-Trichloroethane	82
Tetrachloroethene	83
Ethyl Benzene	96
m,p-Xylene	104
o-Xylene	103
1,1,2,2-Tetrachloroethane	81
trans-1,2-Dichloroethene	97
Methyl tert-butyl ether	99

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	108	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1210351R1-05B

EPA METHOD TO-15 GC/MS

File Name: 14102503
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 10/25/12 10:47 AM

Compound	%Recovery
Vinyl Chloride	95
1,1-Dichloroethene	103
Methyl tert-butyl ether	86
trans-1,2-Dichloroethene	107
1,1-Dichloroethane	95
cis-1,2-Dichloroethene	99
1,1,1-Trichloroethane	94
Benzene	95
1,2-Dichloroethane	98
Trichloroethene	95
Toluene	92
1,1,2-Trichloroethane	95
Tetrachloroethene	92
Ethyl Benzene	91
m,p-Xylene	95
o-Xylene	92
1,1,2,2-Tetrachloroethane	101

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1210351R1-05BB

EPA METHOD TO-15 GC/MS

File Name: 14102504

Date of Collection: NA

Dil. Factor: 1.00

Date of Analysis: 10/25/12 11:06 AM

Compound	%Recovery
Vinyl Chloride	92
1,1-Dichloroethene	101
Methyl tert-butyl ether	85
trans-1,2-Dichloroethene	104
1,1-Dichloroethane	95
cis-1,2-Dichloroethene	98
1,1,1-Trichloroethane	92
Benzene	94
1,2-Dichloroethane	98
Trichloroethene	94
Toluene	92
1,1,2-Trichloroethane	95
Tetrachloroethene	92
Ethyl Benzene	91
m,p-Xylene	94
o-Xylene	92
1,1,2,2-Tetrachloroethane	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	102	70-130



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Sample transportation time: Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, indemnify and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 457-4922

**180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020**

(916) 985-1000 FAX (916) 985-1020

Page _____ of _____

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10103 Form 1293 rev. 11

12/7/2012

Ms. Elisabeth Silver
ECC Horizon
1101 Andover Park W.
Suite 101
Seattle WA 98188

Project Name: Cherry Cleaners
Project #: W-S2510EC-I
Workorder #: 1211426A

Dear Ms. Elisabeth Silver

The following report includes the data for the above referenced project for sample(s) received on 11/20/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner
Project Manager

WORK ORDER #: 1211426A

Work Order Summary

CLIENT: Ms. Elisabeth Silver
ECC Horizon
1101 Andover Park W.
Suite 101
Seattle, WA 98188

BILL TO: Accounts Payable
ECC Horizon
One Emery Ave.
Randolph, NJ 07869

PHONE: 206-518-6120

P.O. # 366

FAX:

PROJECT # W-S2510EC-I Cherry Cleaners

DATE RECEIVED: 11/20/2012

CONTACT: Kelly Buettner

DATE COMPLETED: 12/07/2012

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SV-8 2503 E. CHERRY ST.	Modified TO-15 SIM	5.5 "Hg	5 psi
02A	SV-9 2503 E. CHERRY ST.	Modified TO-15 SIM	8.0 "Hg	5 psi
03A	SV-10 2503 E. CHERRY ST.	Modified TO-15 SIM	4.0 "Hg	5 psi
04A	SV-11 2503 E. CHERRY ST.	Modified TO-15 SIM	6.0 "Hg	5 psi
05A	SV-12 2503 E. CHERRY ST.	Modified TO-15 SIM	5.5 "Hg	5 psi
06A	SV-13 2503 E. CHERRY ST.	Modified TO-15 SIM	7.5 "Hg	5 psi
07A	SV-14 2517 E. CHERRY ST.	Modified TO-15 SIM	4.5 "Hg	5 psi
13A	SV-15 2515 E. CHERRY ST.	Modified TO-15 SIM	8.5 "Hg	5 psi
14A	SV-16 2511 E. CHERRY ST.	Modified TO-15 SIM	6.0 "Hg	5 psi
15A	SV-17 2511 E. CHERRY ST.	Modified TO-15 SIM	24.5 "Hg	5 psi
17A	SV-18 2509 E. CHERRY ST.	Modified TO-15 SIM	5.5 "Hg	5 psi
18A	SV-19 2509 E. CHERRY ST.	Modified TO-15 SIM	6.5 "Hg	5 psi
20A	AMB-2	Modified TO-15 SIM	22.5 "Hg	5 psi
21A	Lab Blank	Modified TO-15 SIM	NA	NA
21B	Lab Blank	Modified TO-15 SIM	NA	NA
22A	CCV	Modified TO-15 SIM	NA	NA
22B	CCV	Modified TO-15 SIM	NA	NA
23A	LCS	Modified TO-15 SIM	NA	NA
23AA	LCSD	Modified TO-15 SIM	NA	NA
23B	LCS	Modified TO-15 SIM	NA	NA
23BB	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:



Technical Director

DATE: 12/07/12

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291,
TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2011, Expiration date: 10/17/2012.

Eurofins Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-15 SIM
ECC Horizon
Workorder# 1211426A

Thirteen 6 Liter Summa Canister (SIM Certified) samples were received on November 20, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
ICAL %RSD acceptance criteria	$\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD	Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD
Daily Calibration	$\pm 30\%$ Difference	Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

Samples SV-17 2511 E. CHERRY ST. and AMB-2 were received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

Dilution was performed on samples SV-8 2503 E. CHERRY ST., SV-11 2503 E. CHERRY ST., SV-13 2503 E. CHERRY ST. and SV-18 2509 E. CHERRY ST. due to the presence of high level target species.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: SV-8 2503 E. CHERRY ST.

Lab ID#: 1211426A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.20	0.22	0.65	0.69
Toluene	0.082	0.70	0.31	2.6
Tetrachloroethene	0.082	66	0.56	450
Ethyl Benzene	0.082	0.10	0.36	0.44
m,p-Xylene	0.16	0.25	0.71	1.1
o-Xylene	0.082	0.090	0.36	0.39

Client Sample ID: SV-9 2503 E. CHERRY ST.

Lab ID#: 1211426A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.092	0.80	0.29	2.6
Toluene	0.037	1.5	0.14	5.6
Tetrachloroethene	0.037	0.27	0.25	1.8
Ethyl Benzene	0.037	0.17	0.16	0.74
m,p-Xylene	0.073	0.44	0.32	1.9
o-Xylene	0.037	0.11	0.16	0.48

Client Sample ID: SV-10 2503 E. CHERRY ST.

Lab ID#: 1211426A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.078	0.31	0.25	0.99
Toluene	0.031	1.1	0.12	4.0
Tetrachloroethene	0.031	7.2	0.21	49
Ethyl Benzene	0.031	0.053	0.13	0.23
m,p-Xylene	0.062	0.15	0.27	0.64
o-Xylene	0.031	0.052	0.13	0.23

Client Sample ID: SV-11 2503 E. CHERRY ST.

Lab ID#: 1211426A-04A

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: SV-11 2503 E. CHERRY ST.

Lab ID#: 1211426A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	0.37	1.1	1.2
Toluene	0.13	1.8	0.51	6.7
Tetrachloroethene	0.13	92	0.91	630
Ethyl Benzene	0.13	0.13 J	0.58	0.57 J

Client Sample ID: SV-12 2503 E. CHERRY ST.

Lab ID#: 1211426A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.57	0.042	1.4
1,1-Dichloroethene	0.016	0.20	0.065	0.80
1,1-Dichloroethane	0.033	0.049	0.13	0.20
Benzene	0.082	0.22	0.26	0.71
Toluene	0.033	1.1	0.12	4.2
Tetrachloroethene	0.033	1.6	0.22	11
Ethyl Benzene	0.033	0.060	0.14	0.26
m,p-Xylene	0.066	0.18	0.28	0.79
o-Xylene	0.033	0.071	0.14	0.31

Client Sample ID: SV-13 2503 E. CHERRY ST.

Lab ID#: 1211426A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Toluene	0.36	0.76	1.3	2.9
Tetrachloroethene	0.36	230	2.4	1500

Client Sample ID: SV-14 2517 E. CHERRY ST.

Lab ID#: 1211426A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.079	0.73	0.25	2.3
Toluene	0.032	2.2	0.12	8.1



Air Toxics

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: SV-14 2517 E. CHERRY ST.**Lab ID#: 1211426A-07A**

Tetrachloroethene	0.032	0.048	0.21	0.33
Ethyl Benzene	0.032	0.17	0.14	0.76
m,p-Xylene	0.063	0.59	0.27	2.5
o-Xylene	0.032	0.19	0.14	0.83

Client Sample ID: SV-15 2515 E. CHERRY ST.**Lab ID#: 1211426A-13A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.094	0.11	0.30	0.34
Toluene	0.037	0.82	0.14	3.1
Tetrachloroethene	0.037	0.045	0.25	0.30
Ethyl Benzene	0.037	0.050	0.16	0.22
m,p-Xylene	0.075	0.17	0.32	0.73
o-Xylene	0.037	0.061	0.16	0.26

Client Sample ID: SV-16 2511 E. CHERRY ST.**Lab ID#: 1211426A-14A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.084	0.27	0.27	0.85
Toluene	0.034	0.83	0.13	3.1
Tetrachloroethene	0.034	0.10	0.23	0.69
Ethyl Benzene	0.034	0.075	0.14	0.33
m,p-Xylene	0.067	0.29	0.29	1.3
o-Xylene	0.034	0.22	0.14	0.97

Client Sample ID: SV-17 2511 E. CHERRY ST.**Lab ID#: 1211426A-15A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.36	1.0	1.2	3.4
Toluene	0.15	5.2	0.55	20
Tetrachloroethene	0.15	0.22	0.99	1.5

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: SV-17 2511 E. CHERRY ST.

Lab ID#: 1211426A-15A

Ethyl Benzene	0.15	0.32	0.63	1.4
m,p-Xylene	0.29	0.99	1.3	4.3
o-Xylene	0.15	0.32	0.63	1.4

Client Sample ID: SV-18 2509 E. CHERRY ST.

Lab ID#: 1211426A-17A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.82	3.8	2.6	12
Toluene	0.33	9.0	1.2	34
Ethyl Benzene	0.33	58	1.4	250
m,p-Xylene	0.66	250	2.8	1100
o-Xylene	0.33	160	1.4	680

Client Sample ID: SV-19 2509 E. CHERRY ST.

Lab ID#: 1211426A-18A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.034	0.27	0.14	1.1
Benzene	0.086	0.17	0.27	0.53
Trichloroethene	0.034	0.097	0.18	0.52
Toluene	0.034	0.45	0.13	1.7
Tetrachloroethene	0.034	1.0	0.23	7.2
Ethyl Benzene	0.034	0.040	0.15	0.17
m,p-Xylene	0.068	0.14	0.30	0.59
o-Xylene	0.034	0.060	0.15	0.26

Client Sample ID: AMB-2

Lab ID#: 1211426A-20A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.37	0.86	1.2
Toluene	0.11	0.91	0.40	3.4
Ethyl Benzene	0.11	0.13	0.46	0.55

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: AMB-2

Lab ID#: 1211426A-20A

m,p-Xylene	0.21	0.38	0.93	1.6
o-Xylene	0.11	0.14	0.46	0.60



Air Toxics

Client Sample ID: SV-8 2503 E. CHERRY ST.

Lab ID#: 1211426A-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c112511sim	Date of Collection: 11/13/12 2:35:00 PM
Dil. Factor:	4.10	Date of Analysis: 11/25/12 04:55 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.041	Not Detected	0.10	Not Detected
1,1-Dichloroethene	0.041	Not Detected	0.16	Not Detected
1,1-Dichloroethane	0.082	Not Detected	0.33	Not Detected
cis-1,2-Dichloroethene	0.082	Not Detected	0.32	Not Detected
1,1,1-Trichloroethane	0.082	Not Detected	0.45	Not Detected
Benzene	0.20	0.22	0.65	0.69
1,2-Dichloroethane	0.082	Not Detected	0.33	Not Detected
Trichloroethene	0.082	Not Detected	0.44	Not Detected
Toluene	0.082	0.70	0.31	2.6
1,1,2-Trichloroethane	0.082	Not Detected	0.45	Not Detected
Tetrachloroethene	0.082	66	0.56	450
Ethyl Benzene	0.082	0.10	0.36	0.44
m,p-Xylene	0.16	0.25	0.71	1.1
o-Xylene	0.082	0.090	0.36	0.39
1,1,2,2-Tetrachloroethane	0.082	Not Detected	0.56	Not Detected
trans-1,2-Dichloroethene	0.41	Not Detected	1.6	Not Detected
Methyl tert-butyl ether	0.41	Not Detected	1.5	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: SV-9 2503 E. CHERRY ST.

Lab ID#: 1211426A-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c112512sim	Date of Collection:	11/13/12 2:45:00 PM
Dil. Factor:	1.83	Date of Analysis:	11/25/12 05:40 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.018	Not Detected	0.047	Not Detected
1,1-Dichloroethene	0.018	Not Detected	0.072	Not Detected
1,1-Dichloroethane	0.037	Not Detected	0.15	Not Detected
cis-1,2-Dichloroethene	0.037	Not Detected	0.14	Not Detected
1,1,1-Trichloroethane	0.037	Not Detected	0.20	Not Detected
Benzene	0.092	0.80	0.29	2.6
1,2-Dichloroethane	0.037	Not Detected	0.15	Not Detected
Trichloroethene	0.037	Not Detected	0.20	Not Detected
Toluene	0.037	1.5	0.14	5.6
1,1,2-Trichloroethane	0.037	Not Detected	0.20	Not Detected
Tetrachloroethene	0.037	0.27	0.25	1.8
Ethyl Benzene	0.037	0.17	0.16	0.74
m,p-Xylene	0.073	0.44	0.32	1.9
o-Xylene	0.037	0.11	0.16	0.48
1,1,2,2-Tetrachloroethane	0.037	Not Detected	0.25	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.66	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	94	70-130



Air Toxics

Client Sample ID: SV-10 2503 E. CHERRY ST.

Lab ID#: 1211426A-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c112513sim	Date of Collection: 11/13/12 2:50:00 PM
Dil. Factor:	1.55	Date of Analysis: 11/25/12 06:30 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.061	Not Detected
1,1-Dichloroethane	0.031	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.031	Not Detected	0.12	Not Detected
1,1,1-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Benzene	0.078	0.31	0.25	0.99
1,2-Dichloroethane	0.031	Not Detected	0.12	Not Detected
Trichloroethene	0.031	Not Detected	0.17	Not Detected
Toluene	0.031	1.1	0.12	4.0
1,1,2-Trichloroethane	0.031	Not Detected	0.17	Not Detected
Tetrachloroethene	0.031	7.2	0.21	49
Ethyl Benzene	0.031	0.053	0.13	0.23
m,p-Xylene	0.062	0.15	0.27	0.64
o-Xylene	0.031	0.052	0.13	0.23
1,1,2,2-Tetrachloroethane	0.031	Not Detected	0.21	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.61	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.56	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	98	70-130



Air Toxics

Client Sample ID: SV-11 2503 E. CHERRY ST.

Lab ID#: 1211426A-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c112514sim	Date of Collection: 11/13/12 2:55:00 PM
Dil. Factor:	6.72	Date of Analysis: 11/25/12 07:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.067	Not Detected	0.17	Not Detected
1,1-Dichloroethene	0.067	Not Detected	0.27	Not Detected
1,1-Dichloroethane	0.13	Not Detected	0.54	Not Detected
cis-1,2-Dichloroethene	0.13	Not Detected	0.53	Not Detected
1,1,1-Trichloroethane	0.13	Not Detected	0.73	Not Detected
Benzene	0.34	0.37	1.1	1.2
1,2-Dichloroethane	0.13	Not Detected	0.54	Not Detected
Trichloroethene	0.13	Not Detected	0.72	Not Detected
Toluene	0.13	1.8	0.51	6.7
1,1,2-Trichloroethane	0.13	Not Detected	0.73	Not Detected
Tetrachloroethene	0.13	92	0.91	630
Ethyl Benzene	0.13	0.13 J	0.58	0.57 J
m,p-Xylene	0.27	Not Detected	1.2	Not Detected
o-Xylene	0.13	Not Detected	0.58	Not Detected
1,1,2,2-Tetrachloroethane	0.13	Not Detected	0.92	Not Detected
trans-1,2-Dichloroethene	0.67	Not Detected	2.7	Not Detected
Methyl tert-butyl ether	0.67	Not Detected	2.4	Not Detected

J = Estimated value.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	94	70-130



Air Toxics

Client Sample ID: SV-12 2503 E. CHERRY ST.

Lab ID#: 1211426A-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c112515sim	Date of Collection: 11/13/12 3:10:00 PM
Dil. Factor:	1.64	Date of Analysis: 11/25/12 08:09 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.57	0.042	1.4
1,1-Dichloroethene	0.016	0.20	0.065	0.80
1,1-Dichloroethane	0.033	0.049	0.13	0.20
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Benzene	0.082	0.22	0.26	0.71
1,2-Dichloroethane	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	Not Detected	0.18	Not Detected
Toluene	0.033	1.1	0.12	4.2
1,1,2-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	1.6	0.22	11
Ethyl Benzene	0.033	0.060	0.14	0.26
m,p-Xylene	0.066	0.18	0.28	0.79
o-Xylene	0.033	0.071	0.14	0.31
1,1,2,2-Tetrachloroethane	0.033	Not Detected	0.22	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.59	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	97	70-130



Air Toxics

Client Sample ID: SV-13 2503 E. CHERRY ST.

Lab ID#: 1211426A-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c112516sim	Date of Collection: 11/13/12 3:15:00 PM
Dil. Factor:	17.9	Date of Analysis: 11/25/12 08:49 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.18	Not Detected	0.46	Not Detected
1,1-Dichloroethene	0.18	Not Detected	0.71	Not Detected
1,1-Dichloroethane	0.36	Not Detected	1.4	Not Detected
cis-1,2-Dichloroethene	0.36	Not Detected	1.4	Not Detected
1,1,1-Trichloroethane	0.36	Not Detected	2.0	Not Detected
Benzene	0.90	Not Detected	2.8	Not Detected
1,2-Dichloroethane	0.36	Not Detected	1.4	Not Detected
Trichloroethene	0.36	Not Detected	1.9	Not Detected
Toluene	0.36	0.76	1.3	2.9
1,1,2-Trichloroethane	0.36	Not Detected	2.0	Not Detected
Tetrachloroethene	0.36	230	2.4	1500
Ethyl Benzene	0.36	Not Detected	1.6	Not Detected
m,p-Xylene	0.72	Not Detected	3.1	Not Detected
o-Xylene	0.36	Not Detected	1.6	Not Detected
1,1,2,2-Tetrachloroethane	0.36	Not Detected	2.4	Not Detected
trans-1,2-Dichloroethene	1.8	Not Detected	7.1	Not Detected
Methyl tert-butyl ether	1.8	Not Detected	6.4	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	90	70-130



Air Toxics

Client Sample ID: SV-14 2517 E. CHERRY ST.

Lab ID#: 1211426A-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c112607sim	Date of Collection: 11/14/12 12:30:00 P
Dil. Factor:	1.58	Date of Analysis: 11/26/12 02:17 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.063	Not Detected
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.032	Not Detected	0.12	Not Detected
1,1,1-Trichloroethane	0.032	Not Detected	0.17	Not Detected
Benzene	0.079	0.73	0.25	2.3
1,2-Dichloroethane	0.032	Not Detected	0.13	Not Detected
Trichloroethene	0.032	Not Detected	0.17	Not Detected
Toluene	0.032	2.2	0.12	8.1
1,1,2-Trichloroethane	0.032	Not Detected	0.17	Not Detected
Tetrachloroethene	0.032	0.048	0.21	0.33
Ethyl Benzene	0.032	0.17	0.14	0.76
m,p-Xylene	0.063	0.59	0.27	2.5
o-Xylene	0.032	0.19	0.14	0.83
1,1,2,2-Tetrachloroethane	0.032	Not Detected	0.22	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.63	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.57	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: SV-15 2515 E. CHERRY ST.

Lab ID#: 1211426A-13A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c112608sim	Date of Collection:	11/14/12 2:00:00 PM
Dil. Factor:	1.87	Date of Analysis:	11/26/12 03:08 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.019	Not Detected	0.048	Not Detected
1,1-Dichloroethene	0.019	Not Detected	0.074	Not Detected
1,1-Dichloroethane	0.037	Not Detected	0.15	Not Detected
cis-1,2-Dichloroethene	0.037	Not Detected	0.15	Not Detected
1,1,1-Trichloroethane	0.037	Not Detected	0.20	Not Detected
Benzene	0.094	0.11	0.30	0.34
1,2-Dichloroethane	0.037	Not Detected	0.15	Not Detected
Trichloroethene	0.037	Not Detected	0.20	Not Detected
Toluene	0.037	0.82	0.14	3.1
1,1,2-Trichloroethane	0.037	Not Detected	0.20	Not Detected
Tetrachloroethene	0.037	0.045	0.25	0.30
Ethyl Benzene	0.037	0.050	0.16	0.22
m,p-Xylene	0.075	0.17	0.32	0.73
o-Xylene	0.037	0.061	0.16	0.26
1,1,2,2-Tetrachloroethane	0.037	Not Detected	0.26	Not Detected
trans-1,2-Dichloroethene	0.19	Not Detected	0.74	Not Detected
Methyl tert-butyl ether	0.19	Not Detected	0.67	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	97	70-130



Air Toxics

Client Sample ID: SV-16 2511 E. CHERRY ST.

Lab ID#: 1211426A-14A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c112609sim	Date of Collection: 11/14/12 3:35:00 PM
Dil. Factor:	1.68	Date of Analysis: 11/26/12 03:55 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Benzene	0.084	0.27	0.27	0.85
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
Toluene	0.034	0.83	0.13	3.1
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.10	0.23	0.69
Ethyl Benzene	0.034	0.075	0.14	0.33
m,p-Xylene	0.067	0.29	0.29	1.3
o-Xylene	0.034	0.22	0.14	0.97
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: SV-17 2511 E. CHERRY ST.

Lab ID#: 1211426A-15A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c112610sim
Dil. Factor: 7.31

Date of Collection: 11/14/12 3:45:00 PM
Date of Analysis: 11/26/12 05:18 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.073	Not Detected	0.19	Not Detected
1,1-Dichloroethene	0.073	Not Detected	0.29	Not Detected
1,1-Dichloroethane	0.15	Not Detected	0.59	Not Detected
cis-1,2-Dichloroethene	0.15	Not Detected	0.58	Not Detected
1,1,1-Trichloroethane	0.15	Not Detected	0.80	Not Detected
Benzene	0.36	1.0	1.2	3.4
1,2-Dichloroethane	0.15	Not Detected	0.59	Not Detected
Trichloroethene	0.15	Not Detected	0.78	Not Detected
Toluene	0.15	5.2	0.55	20
1,1,2-Trichloroethane	0.15	Not Detected	0.80	Not Detected
Tetrachloroethene	0.15	0.22	0.99	1.5
Ethyl Benzene	0.15	0.32	0.63	1.4
m,p-Xylene	0.29	0.99	1.3	4.3
o-Xylene	0.15	0.32	0.63	1.4
1,1,2,2-Tetrachloroethane	0.15	Not Detected	1.0	Not Detected
trans-1,2-Dichloroethene	0.73	Not Detected	2.9	Not Detected
Methyl tert-butyl ether	0.73	Not Detected	2.6	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	93	70-130



Air Toxics

Client Sample ID: SV-18 2509 E. CHERRY ST.

Lab ID#: 1211426A-17A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c112611sim	Date of Collection:	11/14/12 5:55:00 PM
Dil. Factor:	16.4	Date of Analysis:	11/26/12 06:02 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.16	Not Detected	0.42	Not Detected
1,1-Dichloroethene	0.16	Not Detected	0.65	Not Detected
1,1-Dichloroethane	0.33	Not Detected	1.3	Not Detected
cis-1,2-Dichloroethene	0.33	Not Detected	1.3	Not Detected
1,1,1-Trichloroethane	0.33	Not Detected	1.8	Not Detected
Benzene	0.82	3.8	2.6	12
1,2-Dichloroethane	0.33	Not Detected	1.3	Not Detected
Trichloroethene	0.33	Not Detected	1.8	Not Detected
Toluene	0.33	9.0	1.2	34
1,1,2-Trichloroethane	0.33	Not Detected	1.8	Not Detected
Tetrachloroethene	0.33	Not Detected	2.2	Not Detected
Ethyl Benzene	0.33	58	1.4	250
m,p-Xylene	0.66	250	2.8	1100
o-Xylene	0.33	160	1.4	680
1,1,2,2-Tetrachloroethane	0.33	Not Detected	2.2	Not Detected
trans-1,2-Dichloroethene	1.6	Not Detected	6.5	Not Detected
Methyl tert-butyl ether	1.6	Not Detected	5.9	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	92	70-130



Air Toxics

Client Sample ID: SV-19 2509 E. CHERRY ST.

Lab ID#: 1211426A-18A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c112614sim	Date of Collection: 11/14/12 6:00:00 PM
Dil. Factor:	1.71	Date of Analysis: 11/26/12 08:40 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	0.27	0.14	1.1
1,1,1-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Benzene	0.086	0.17	0.27	0.53
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	0.097	0.18	0.52
Toluene	0.034	0.45	0.13	1.7
1,1,2-Trichloroethane	0.034	Not Detected	0.19	Not Detected
Tetrachloroethene	0.034	1.0	0.23	7.2
Ethyl Benzene	0.034	0.040	0.15	0.17
m,p-Xylene	0.068	0.14	0.30	0.59
o-Xylene	0.034	0.060	0.15	0.26
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	99	70-130



Air Toxics

Client Sample ID: AMB-2

Lab ID#: 1211426A-20A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c112613sim	Date of Collection: 11/14/12 6:15:00 PM
Dil. Factor:	5.36	Date of Analysis: 11/26/12 07:40 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.054	Not Detected	0.14	Not Detected
1,1-Dichloroethene	0.054	Not Detected	0.21	Not Detected
1,1-Dichloroethane	0.11	Not Detected	0.43	Not Detected
cis-1,2-Dichloroethene	0.11	Not Detected	0.42	Not Detected
1,1,1-Trichloroethane	0.11	Not Detected	0.58	Not Detected
Benzene	0.27	0.37	0.86	1.2
1,2-Dichloroethane	0.11	Not Detected	0.43	Not Detected
Trichloroethene	0.11	Not Detected	0.58	Not Detected
Toluene	0.11	0.91	0.40	3.4
1,1,2-Trichloroethane	0.11	Not Detected	0.58	Not Detected
Tetrachloroethene	0.11	Not Detected	0.73	Not Detected
Ethyl Benzene	0.11	0.13	0.46	0.55
m,p-Xylene	0.21	0.38	0.93	1.6
o-Xylene	0.11	0.14	0.46	0.60
1,1,2,2-Tetrachloroethane	0.11	Not Detected	0.74	Not Detected
trans-1,2-Dichloroethene	0.54	Not Detected	2.1	Not Detected
Methyl tert-butyl ether	0.54	Not Detected	1.9	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	86	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1211426A-21A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c112505sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 11/25/12 11:32 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	91	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1211426A-21B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c112606sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 11/26/12 12:10 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	94	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1211426A-22A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c112502sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 11/25/12 09:06 AM

Compound	%Recovery
Vinyl Chloride	86
1,1-Dichloroethene	87
1,1-Dichloroethane	91
cis-1,2-Dichloroethene	95
1,1,1-Trichloroethane	91
Benzene	82
1,2-Dichloroethane	92
Trichloroethene	91
Toluene	94
1,1,2-Trichloroethane	96
Tetrachloroethene	94
Ethyl Benzene	91
m,p-Xylene	87
o-Xylene	88
1,1,2,2-Tetrachloroethane	84
trans-1,2-Dichloroethene	94
Methyl tert-butyl ether	88

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1211426A-22B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c112602sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 11/26/12 08:57 AM

Compound	%Recovery
Vinyl Chloride	86
1,1-Dichloroethene	87
1,1-Dichloroethane	91
cis-1,2-Dichloroethene	95
1,1,1-Trichloroethane	91
Benzene	84
1,2-Dichloroethane	95
Trichloroethene	93
Toluene	95
1,1,2-Trichloroethane	96
Tetrachloroethene	94
Ethyl Benzene	92
m,p-Xylene	88
o-Xylene	89
1,1,2,2-Tetrachloroethane	86
trans-1,2-Dichloroethene	95
Methyl tert-butyl ether	88

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1211426A-23A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c112503sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 11/25/12 09:53 AM

Compound	%Recovery
Vinyl Chloride	87
1,1-Dichloroethene	90
1,1-Dichloroethane	89
cis-1,2-Dichloroethene	93
1,1,1-Trichloroethane	90
Benzene	80
1,2-Dichloroethane	91
Trichloroethene	89
Toluene	91
1,1,2-Trichloroethane	94
Tetrachloroethene	91
Ethyl Benzene	90
m,p-Xylene	90
o-Xylene	89
1,1,2,2-Tetrachloroethane	85
trans-1,2-Dichloroethene	103
Methyl tert-butyl ether	88

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1211426A-23AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c112504sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 11/25/12 10:35 AM

Compound	%Recovery
Vinyl Chloride	89
1,1-Dichloroethene	92
1,1-Dichloroethane	90
cis-1,2-Dichloroethene	94
1,1,1-Trichloroethane	91
Benzene	82
1,2-Dichloroethane	95
Trichloroethene	91
Toluene	93
1,1,2-Trichloroethane	94
Tetrachloroethene	91
Ethyl Benzene	89
m,p-Xylene	87
o-Xylene	86
1,1,2,2-Tetrachloroethane	84
trans-1,2-Dichloroethene	104
Methyl tert-butyl ether	88

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1211426A-23B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c112603sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 11/26/12 09:39 AM

Compound	%Recovery
Vinyl Chloride	88
1,1-Dichloroethene	91
1,1-Dichloroethane	90
cis-1,2-Dichloroethene	94
1,1,1-Trichloroethane	91
Benzene	82
1,2-Dichloroethane	95
Trichloroethene	92
Toluene	93
1,1,2-Trichloroethane	96
Tetrachloroethene	93
Ethyl Benzene	91
m,p-Xylene	89
o-Xylene	89
1,1,2,2-Tetrachloroethane	89
trans-1,2-Dichloroethene	105
Methyl tert-butyl ether	88

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1211426A-23BB

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c112604sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 11/26/12 10:21 AM

Compound	%Recovery
Vinyl Chloride	87
1,1-Dichloroethene	91
1,1-Dichloroethane	90
cis-1,2-Dichloroethene	94
1,1,1-Trichloroethane	91
Benzene	82
1,2-Dichloroethane	94
Trichloroethene	91
Toluene	93
1,1,2-Trichloroethane	96
Tetrachloroethene	92
Ethyl Benzene	92
m,p-Xylene	89
o-Xylene	89
1,1,2,2-Tetrachloroethane	88
trans-1,2-Dichloroethene	104
Methyl tert-butyl ether	87

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	101	70-130



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

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Project Manager ELISABETH SILVER

Collected by: (Print and Sign) ROBERT HUBER

Company ELC HOLDING Email silver@elcholding.com

Address 101 Anderson Park W. City TUOLUMA State MA Zip 01818

Phone 206-518-6120 Fax 206-518-6123

Project Info:

P.O. # 366

Project # W-S2510EC-I

Project Name CHERRY CLEMENS

Turn Around Time:

☒ Normal

☐ Rush

Lab Use Only
Pressurized by:

Date:

Pressurization Gas:

specify N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum
						Initial Final Receipt Final (psi)
01A	SV-8 2503 E. CHERLEY ST.	409	11/13/12	1435	TO-15 LL SIM	7-30 -7
02A	SV-9 2503 E. CHERLEY ST.	34023	11/13/12	1445		-30 -8
03A	SV-10 2503 E. CHERLEY ST.	35980	11/13/12	1450		-29 -4
04A	SV-11 2503 E. CHERLEY ST.	14124	11/13/12	1455		>-30 -7
05A	SV-12 2503 E. CHERLEY ST.	21078	11/13/12	1510		-30 -9
06A	SV-13 2503 E. CHERLEY ST.	10786	11/13/12	1515	↓	7-30 -9
Relinquished by: (signature) <u>[Signature]</u> Date/Time <u>11/16/12 0900</u> Received by: (signature) <u>[Signature]</u> Date/Time <u>11/16/12 1000</u>						
Relinquished by: (signature) <u>[Signature]</u> Date/Time <u>11/16/12 0900</u> Received by: (signature) <u>[Signature]</u> Date/Time <u>11/16/12 1000</u>						
Relinquished by: (signature) <u>[Signature]</u> Date/Time <u>11/16/12 0900</u> Received by: (signature) <u>[Signature]</u> Date/Time <u>11/16/12 1000</u>						
Notes: *HOLD INDOOR AIR SAMPLES PENDING SUB-SLAB (SV) RESULTS. CALL E. SILVER FOR DECISION TO RUN.						
Shipper Name <u>UPS</u> Air Bill # <u>NA</u> Temp (°C) <u>9000</u> Condition <u>GOOD</u> Custody Seals Intact? <u>Yes</u> No <u>None</u> Work Order # <u>1211426</u>						



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

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Page 2 of 3

Project Manager ELISABETH SILVER

Collected by: (Print and Sign) ROBERT HUBER

Company ELC HOLDING

Email esilver@elcholding.com

Address 161 Andover Park W. City TUKWILA State WA Zip 98188

Phone 206-518-6120 Fax 206-518-6123

Project Info:

P.O. # 366

Project # W-S25106C-I

Project Name CHELLY CLEMENTS

Turn Around Time:

☒ Normal

☐ Rush

Lab Use Only
Pressurized by:

Date:

Pressurization Gas:

specify N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psf)
07A	SV-14 2517 E. CHELLY ST.	5719	11/14/12	1230	TD-15 LL SIM	-30	-5		
08A	XIA-6 2517 E. CHELLY ST.	12676	11/14/12	1250		-30	-9		
09A	XIA-7 2503 E. CHELLY ST. APT. A	5578	11/14/12	1300		-30	-7		
10A	XIA-8 2503 E. CHELLY ST. APT. B	34250	11/14/12	1310		-30	-7		
11A	XIA-9 2503 E. CHELLY ST. APT. B	34314	11/14/12	1305		-30	-10		
12A	XIA-10 2515 E. CHELLY ST.	1601	11/14/12	1345		-30	-9		
13A	SV-15 2515 E. CHELLY ST.	33905	11/14/12	1400		-30	-10		
14A	SV-16 2511 E. CHELLY ST.	33799	11/14/12	1535		-30	-7.5		
15A	SV-17 2511 E. CHELLY ST.	34425	11/14/12	1545		-30	-25		
16A	XIA-11 2511 E. CHELLY ST.	13844	11/14/12	1600		-30	-5		
Relinquished by: (signature) <u>[Signature]</u> Date/Time <u>11/16/12 0900</u>		Received by: (signature) <u>[Signature]</u> Date/Time <u>11/20/12 1000</u>	Notes: *Hold indoor air samples pending sub-sample results. (SV) CHL E. SILVER FOR DECISION TO RUN.						
Relinquished by: (signature) _____ Date/Time _____		Received by: (signature) _____ Date/Time _____							
Relinquished by: (signature) _____ Date/Time _____		Received by: (signature) _____ Date/Time _____							
Lab Use Only	Shipper Name <u>UVS</u>	Air Bill # _____	Temp (°C) <u>NA</u>	Condition <u>good</u>	Custody Seals Intact? <u>Yes</u>	No	None	Work Order # <u>12114210</u>	



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
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Page 3 of 3

Project Manager ELISABETH SILVER

Collected by: (Print and Sign) ROBERT HUBER

Company ECC HOLIZON Email esilver@echerizon.com

Address 101 ANDERSON PARK W. City TUOLUMA State MA Zip 01818

Phone 206-518-6120 Fax 206-518-6123

Project Info:

P.O. # 366

Project # W-S25106C-I

Project Name CHELSEA CEMENTS

Turn Around Time:

☒ Normal

☐ Rush

Lab Use Only
Pressurized by:

Date:

Pressurization Gas:

specify N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum
17A	SV-18 2509 E. CHELSEA ST.	35981	11/14/12	1755	TO-15 LLSIM	Initial Final Receipt Final (psi)
18A	SV-19 2509 E. CHELSEA ST.	32129	11/14/12	1800		7-30 -5 7-30 -8
19A	SV-12 2509 E. CHELSEA ST.	5728	11/14/12	1805		7-30 -7
20A	AMB-2	9913	11/14/12	1815		7-30 -25
Notes: *HOLD INDOOR AIR SAMPLES PENDING SUB-SLAB (SV) RESULTS. CARL E. SILVER FOR DECISION TO RUN.						
Relinquished by: (signature) <u>RAND</u>	Date/Time <u>11/16/12 0900</u>	Received by: (signature) <u>ELISABETH SILVER</u>	Date/Time <u>11/20/12 1000</u>			
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time			
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time			
Lab Shipper Name <u>UPS</u>	Air Bill # <u>NA</u>	Temp (°C) <u>9000</u>	Condition <u>good</u>	Custody Seals Intact? <u>No</u>	Work Order # <u>1211426</u>	

12/19/2012

Ms. Elisabeth Silver

ECC Horizon

1101 Andover Park W.

Suite 101

Seattle WA 98188

Project Name: Cherry Cleaners

Project #: W-S2510EC-I

Workorder #: 1211426B

Dear Ms. Elisabeth Silver

The following report includes the data for the above referenced project for sample(s) received on 11/20/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner

Project Manager

WORK ORDER #: 1211426B

Work Order Summary

CLIENT: Ms. Elisabeth Silver
ECC Horizon
1101 Andover Park W.
Suite 101
Seattle, WA 98188

BILL TO: Accounts Payable
ECC Horizon
One Emery Ave.
Randolph, NJ 07869

PHONE: 206-518-6120

P.O. # 366

FAX:

PROJECT # W-S2510EC-I Cherry Cleaners

DATE RECEIVED: 11/20/2012

CONTACT: Kelly Buettner

DATE COMPLETED: 12/18/2012

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
08A(cancelled)	IA-6 2517 E. CHERRY ST.	Modified TO-15 SIM	7.5 "Hg	5 psi
09A	IA-7 2503 E. CHERRY ST. APT. A	Modified TO-15 SIM	5.5 "Hg	5 psi
10A	IA-8 2503 E. CHERRY ST. APT. D	Modified TO-15 SIM	5.5 "Hg	5 psi
11A	IA-9 2503 E. CHERRY ST. APT. B	Modified TO-15 SIM	9.5 "Hg	5 psi
12A(cancelled)	IA-10 2515 E. CHERRY ST.	Modified TO-15 SIM	7.0 "Hg	5 psi
16A	IA-11 2511 E. CHERRY ST.	Modified TO-15 SIM	6.0 "Hg	5 psi
19A(cancelled)	IA-12 2509 E. CHERRY ST.	Modified TO-15 SIM	5.5 "Hg	5 psi
20A	Lab Blank	Modified TO-15 SIM	NA	NA
21A	CCV	Modified TO-15 SIM	NA	NA
22A	LCS	Modified TO-15 SIM	NA	NA
22AA	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:



Technical Director

DATE: 12/19/12

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291,
TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2011, Expiration date: 10/17/2012.

Eurofins Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

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LABORATORY NARRATIVE
Modified TO-15 SIM
ECC Horizon
Workorder# 1211426B

Seven 6 Liter Summa Canister (SIM Certified) samples were received on November 20, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	TO-15	ATL Modifications
ICAL %RSD acceptance criteria	$\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD	Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD
Daily Calibration	$\pm 30\%$ Difference	Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

Samples IA-6 2517 E. CHERRY ST., IA-7 2503 E. CHERRY ST. APT. A, IA-8 2503 E. CHERRY ST. APT. D, IA-9 2503 E. CHERRY ST. APT. B, IA-10 2515 E. CHERRY ST., IA-11 2511 E. CHERRY ST. and IA-12 2509 E. CHERRY ST. were placed on hold per client's request.

Samples IA-7 2503 E. CHERRY ST. APT. A, IA-8 2503 E. CHERRY ST. APT. D, IA-9 2503 E. CHERRY ST. APT. B, and IA-11 2511 E. CHERRY ST. were removed from "Hold" and placed on "Active" status per client request on December 10, 2012.

Samples IA-6 2517 E. CHERRY ST., IA-10 2515 E. CHERRY ST. and IA-12 2509 E. CHERRY ST. were cancelled on December 10, 2012 per client's request.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction)

not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IA-7 2503 E. CHERRY ST. APT. A

Lab ID#: 1211426B-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.033	0.037	0.18	0.20
Benzene	0.082	0.25	0.26	0.79
Toluene	0.033	1.2	0.12	4.6
Tetrachloroethene	0.033	0.033	0.22	0.23
Ethyl Benzene	0.033	0.15	0.14	0.64
m,p-Xylene	0.066	0.40	0.28	1.7
o-Xylene	0.033	0.14	0.14	0.61

Client Sample ID: IA-8 2503 E. CHERRY ST. APT. D

Lab ID#: 1211426B-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.082	0.49	0.26	1.6
1,2-Dichloroethane	0.033	0.070	0.13	0.28
Toluene	0.033	2.4	0.12	9.0
Tetrachloroethene	0.033	0.081	0.22	0.55
Ethyl Benzene	0.033	0.21	0.14	0.93
m,p-Xylene	0.066	0.62	0.28	2.7
o-Xylene	0.033	0.19	0.14	0.84

Client Sample ID: IA-9 2503 E. CHERRY ST. APT. B

Lab ID#: 1211426B-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.020	0.036	0.050	0.092
Benzene	0.098	0.29	0.31	0.92
1,2-Dichloroethane	0.039	0.046	0.16	0.19
Toluene	0.039	1.4	0.15	5.5
Ethyl Benzene	0.039	0.14	0.17	0.59
m,p-Xylene	0.078	0.40	0.34	1.7
o-Xylene	0.039	0.15	0.17	0.64



Air Toxics

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IA-11 2511 E. CHERRY ST.

Lab ID#: 1211426B-16A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.084	0.26	0.27	0.82
Toluene	0.034	0.66	0.13	2.5
Ethyl Benzene	0.034	0.064	0.14	0.28
m,p-Xylene	0.067	0.15	0.29	0.66
o-Xylene	0.034	0.050	0.14	0.22



Air Toxics

Client Sample ID: IA-7 2503 E. CHERRY ST. APT. A

Lab ID#: 1211426B-09A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	v121114sim	Date of Collection: 11/14/12 1:00:00 PM
Dil. Factor:	1.64	Date of Analysis: 12/11/12 06:23 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.033	0.037	0.18	0.20
Benzene	0.082	0.25	0.26	0.79
1,2-Dichloroethane	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	Not Detected	0.18	Not Detected
Toluene	0.033	1.2	0.12	4.6
1,1,2-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	0.033	0.22	0.23
Ethyl Benzene	0.033	0.15	0.14	0.64
m,p-Xylene	0.066	0.40	0.28	1.7
o-Xylene	0.033	0.14	0.14	0.61
1,1,2,2-Tetrachloroethane	0.033	Not Detected	0.22	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.59	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	111	70-130



Air Toxics

Client Sample ID: IA-8 2503 E. CHERRY ST. APT. D

Lab ID#: 1211426B-10A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	v121115sim	Date of Collection: 11/14/12 1:10:00 PM
Dil. Factor:	1.64	Date of Analysis: 12/11/12 07:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Benzene	0.082	0.49	0.26	1.6
1,2-Dichloroethane	0.033	0.070	0.13	0.28
Trichloroethene	0.033	Not Detected	0.18	Not Detected
Toluene	0.033	2.4	0.12	9.0
1,1,2-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	0.081	0.22	0.55
Ethyl Benzene	0.033	0.21	0.14	0.93
m,p-Xylene	0.066	0.62	0.28	2.7
o-Xylene	0.033	0.19	0.14	0.84
1,1,2,2-Tetrachloroethane	0.033	Not Detected	0.22	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.59	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	110	70-130



Air Toxics

Client Sample ID: IA-9 2503 E. CHERRY ST. APT. B

Lab ID#: 1211426B-11A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	v121116sim	Date of Collection:	11/14/12 1:05:00 PM
Dil. Factor:	1.96	Date of Analysis:	12/11/12 08:27 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.020	0.036	0.050	0.092
1,1-Dichloroethene	0.020	Not Detected	0.078	Not Detected
1,1-Dichloroethane	0.039	Not Detected	0.16	Not Detected
cis-1,2-Dichloroethene	0.039	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.039	Not Detected	0.21	Not Detected
Benzene	0.098	0.29	0.31	0.92
1,2-Dichloroethane	0.039	0.046	0.16	0.19
Trichloroethene	0.039	Not Detected	0.21	Not Detected
Toluene	0.039	1.4	0.15	5.5
1,1,2-Trichloroethane	0.039	Not Detected	0.21	Not Detected
Tetrachloroethene	0.039	Not Detected	0.26	Not Detected
Ethyl Benzene	0.039	0.14	0.17	0.59
m,p-Xylene	0.078	0.40	0.34	1.7
o-Xylene	0.039	0.15	0.17	0.64
1,1,2,2-Tetrachloroethane	0.039	Not Detected	0.27	Not Detected
trans-1,2-Dichloroethene	0.20	Not Detected	0.78	Not Detected
Methyl tert-butyl ether	0.20	Not Detected	0.71	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	109	70-130



Air Toxics

Client Sample ID: IA-11 2511 E. CHERRY ST.

Lab ID#: 1211426B-16A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	v121117sim	Date of Collection: 11/14/12 4:00:00 PM
Dil. Factor:	1.68	Date of Analysis: 12/11/12 09:06 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Benzene	0.084	0.26	0.27	0.82
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
Toluene	0.034	0.66	0.13	2.5
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
Ethyl Benzene	0.034	0.064	0.14	0.28
m,p-Xylene	0.067	0.15	0.29	0.66
o-Xylene	0.034	0.050	0.14	0.22
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	110	70-130

Client Sample ID: Lab Blank

Lab ID#: 1211426B-20A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	v121107sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/11/12 11:09 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	113	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1211426B-21A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: v121102sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/11/12 07:21 AM

Compound	%Recovery
Vinyl Chloride	74
1,1-Dichloroethene	82
1,1-Dichloroethane	84
cis-1,2-Dichloroethene	86
1,1,1-Trichloroethane	93
Benzene	71
1,2-Dichloroethane	87
Trichloroethene	75
Toluene	81
1,1,2-Trichloroethane	87
Tetrachloroethene	85
Ethyl Benzene	83
m,p-Xylene	81
o-Xylene	81
1,1,2,2-Tetrachloroethane	78
trans-1,2-Dichloroethene	85
Methyl tert-butyl ether	89

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	111	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1211426B-22A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: v121103sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/11/12 08:04 AM

Compound	%Recovery
Vinyl Chloride	76
1,1-Dichloroethene	87
1,1-Dichloroethane	86
cis-1,2-Dichloroethene	88
1,1,1-Trichloroethane	94
Benzene	71
1,2-Dichloroethane	86
Trichloroethene	78
Toluene	82
1,1,2-Trichloroethane	86
Tetrachloroethene	84
Ethyl Benzene	83
m,p-Xylene	81
o-Xylene	80
1,1,2,2-Tetrachloroethane	75
trans-1,2-Dichloroethene	96
Methyl tert-butyl ether	91

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	112	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1211426B-22AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: v121104sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/11/12 08:47 AM

Compound	%Recovery
Vinyl Chloride	78
1,1-Dichloroethene	90
1,1-Dichloroethane	87
cis-1,2-Dichloroethene	89
1,1,1-Trichloroethane	95
Benzene	73
1,2-Dichloroethane	88
Trichloroethene	81
Toluene	84
1,1,2-Trichloroethane	89
Tetrachloroethene	86
Ethyl Benzene	86
m,p-Xylene	84
o-Xylene	83
1,1,2,2-Tetrachloroethane	77
trans-1,2-Dichloroethene	98
Methyl tert-butyl ether	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	112	70-130



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

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Page 2 of 3

Project Manager ELISABETH SILVER

Collected by: (Print and Sign) ROBERT HUBER

Company ELC HOLDINGS

Email esilver@elcholdings.com

Address 161 Andover Park W. City TUKWILA State WA Zip 98188

Phone 206-518-6120 Fax 206-518-6123

Project Info:

P.O. # 366

Project # W-S25106C-I

Project Name CHELLY CLEMENTS

Turn Around Time:

☒ Normal

☐ Rush

Lab Use Only
Pressurized by:

Date:

Pressurization Gas:

N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum
07A	SV-14 2517 E. CHELLY ST.	5719	11/14/12	1230	TD-15 LL SIM	-30 -5
08A	XIA-6 2517 E. CHELLY ST.	12676	11/14/12	1250		-30 -9
09A	XIA-7 2503 E. CHELLY ST. APT. A	5578	11/14/12	1300		-30 -7
10A	XIA-8 2503 E. CHELLY ST. APT. B	34250	11/14/12	1310		-30 -7
11A	XIA-9 2503 E. CHELLY ST. APT. B	34314	11/14/12	1305		-30 -10
12A	XIA-10 2515 E. CHELLY ST.	1601	11/14/12	1345		-30 -9
13A	SV-15 2515 E. CHELLY ST.	33905	11/14/12	1400		-30 -10
14A	SV-16 2511 E. CHELLY ST.	33799	11/14/12	1535		-30 -7.5
15A	SV-17 2511 E. CHELLY ST.	34425	11/14/12	1545		-30 -25
16A	XIA-11 2511 E. CHELLY ST.	13844	11/14/12	1600		-30 -5

Relinquished by: (signature) [Signature] Date/Time 11/16/12 0900 Received by: (signature) [Signature] Date/Time 11/20/12 1000

Relinquished by: (signature) [Signature] Date/Time 11/16/12 0900 Received by: (signature) [Signature] Date/Time 11/20/12 1000

Relinquished by: (signature) [Signature] Date/Time 11/16/12 0900 Received by: (signature) [Signature] Date/Time 11/20/12 1000

Notes: *Hold indoor air samples pending sub-sample results. CHL E. SILVER FOR DECISION TO RUN.

Lab Use Only
Shipper Name UVS Air Bill # NA Temp (°C) good Condition good Custody Seals Intact? Yes No None Work Order # 12114210



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

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Page 3 of 3

Project Manager ELISABETH SILVER

Collected by: (Print and Sign) ROBERT HUBER

Company ECC HOLIZON Email esilver@ecc-holizon.com

Address 101 ANDERSON PARK W. City TUOLUMA State MA Zip 01818

Phone 206-518-6120 Fax 206-518-6123

Project Info:

P.O. # 366

Project # W-S25106C-I

Project Name CHELSEA CEMENTS

Turn Around Time:

☒ Normal

☐ Rush

Lab Use Only
Pressurized by:

Date:

Pressurization Gas:

specify N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum
17A	SV-18 2509 E. CHELSEA ST.	35981	11/14/12	1755	TO-15 LLSIM	Initial Final Receipt Final (psi)
18A	SV-19 2509 E. CHELSEA ST.	32129	11/14/12	1800		7-30 -5 7-30 -8
19A	SV-12 2509 E. CHELSEA ST.	5728	11/14/12	1805		7-30 -7
20A	AMB-2	9913	11/14/12	1815		7-30 -25
Notes: *HOLD INDOOR AIR SAMPLES PENDING SUB-SLAB (SV) RESULTS. CARL E. SILVER FOR DECISION TO RUN.						
Relinquished by: (signature) <u>RAND</u>	Date/Time <u>11/16/12 0900</u>	Received by: (signature) <u>[Signature]</u>	Date/Time <u>11/20/12 1000</u>			
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time			
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time			
Lab Shipper Name <u>VPS</u>	Air Bill # <u>NA</u>	Temp (°C) <u>9000</u>	Condition <u>good</u>	Custody Seals Intact? <u>No</u>	Work Order # <u>1211426</u>	

12/21/2012

Ms. Elisabeth Silver

ECC Horizon

1101 Andover Park W.

Suite 101

Seattle WA 98188

Project Name: Cherry Cleaners

Project #: W-S2510EC

Workorder #: 1212085

Dear Ms. Elisabeth Silver

The following report includes the data for the above referenced project for sample(s) received on 12/5/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner

Project Manager

WORK ORDER #: 1212085

Work Order Summary

CLIENT: Ms. Elisabeth Silver
ECC Horizon
1101 Andover Park W.
Suite 101
Seattle, WA 98188

BILL TO: Accounts Payable
ECC Horizon
One Emery Ave.
Randolph, NJ 07869

PHONE: 206-518-6120

P.O. # 371

FAX:

PROJECT # W-S2510EC Cherry Cleaners

DATE RECEIVED: 12/05/2012

CONTACT: Kelly Buettner

DATE COMPLETED: 12/21/2012

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SV-25 ISS 720 25th Ave	Modified TO-15 SIM	7.4 "Hg	5 psi
02A	SV-20 ISS 720 25th Ave	Modified TO-15 SIM	7.6 "Hg	5 psi
03A	SV-21 ISS 720 25th Ave	Modified TO-15 SIM	8.8 "Hg	5 psi
04A	SV-22 ISS 720 25th Ave	Modified TO-15 SIM	8.0 "Hg	5 psi
05A	SV-23 ISS 720 25th Ave	Modified TO-15 SIM	7.6 "Hg	5 psi
06A	SV-24 ISS 720 25th Ave	Modified TO-15 SIM	6.2 "Hg	5 psi
07A	AMB-3 ISS 720 25th Ave	Modified TO-15 SIM	5.6 "Hg	5 psi
08A(on hold)	IA-13 ISS 720 25th Ave*	Modified TO-15 SIM	8.0 "Hg	5 psi
09A(on hold)	IA-14 ISS 720 25th Ave*	Modified TO-15 SIM	6.8 "Hg	5 psi
10A(on hold)	IA-15 ISS 720 25th Ave*	Modified TO-15 SIM	9.8 "Hg	5 psi
11A(on hold)	IA-16 ISS 720 25th Ave*	Modified TO-15 SIM	5.8 "Hg	5 psi
12A(on hold)	IA-17 ISS 720 25th Ave*	Modified TO-15 SIM	6.2 "Hg	5 psi
13A	Lab Blank	Modified TO-15 SIM	NA	NA
13B	Lab Blank	Modified TO-15 SIM	NA	NA
14A	CCV	Modified TO-15 SIM	NA	NA
14B	CCV	Modified TO-15 SIM	NA	NA
15A	LCS	Modified TO-15 SIM	NA	NA
15AA	LCSD	Modified TO-15 SIM	NA	NA
15B	LCS	Modified TO-15 SIM	NA	NA
15BB	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:



Technical Director

DATE: 12/21/12

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291,
TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2011, Expiration date: 10/17/2012.

Eurofins Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563

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LABORATORY NARRATIVE
Modified TO-15 SIM
ECC Horizon
Workorder# 1212085

Twelve 6 Liter Summa Canister (SIM Certified) samples were received on December 05, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	TO-15	ATL Modifications
ICAL %RSD acceptance criteria	$\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD	Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD
Daily Calibration	$\pm 30\%$ Difference	Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

Samples IA-13 ISS 720 25th Ave*, IA-14 ISS 720 25th Ave*, IA-15 ISS 720 25th Ave*, IA-16 ISS 720 25th Ave*, IA-17 ISS 720 25th Ave* were placed on hold per client request.

Analytical Notes

Dilution was performed on sample SV-24 ISS 720 25th Ave due to the presence of high level target species.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



Air Toxics

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: SV-25 ISS 720 25th Ave

Lab ID#: 1212085-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	0.036	0.045	0.19	0.24
Benzene	0.089	9.5	0.28	30
Trichloroethene	0.036	0.31	0.19	1.7
Toluene	0.036	3.5	0.13	13
Tetrachloroethene	0.036	11	0.24	75
Ethyl Benzene	0.036	2.6	0.15	11
m,p-Xylene	0.071	13	0.31	56
o-Xylene	0.036	16	0.15	68

Client Sample ID: SV-20 ISS 720 25th Ave

Lab ID#: 1212085-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Toluene	0.036	0.10	0.13	0.40
Tetrachloroethene	0.036	9.9	0.24	67
Ethyl Benzene	0.036	0.039	0.16	0.17
m,p-Xylene	0.072	0.088	0.31	0.38

Client Sample ID: SV-21 ISS 720 25th Ave

Lab ID#: 1212085-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.095	8.6	0.30	28
Trichloroethene	0.038	0.25	0.20	1.4
Toluene	0.038	2.8	0.14	10
Tetrachloroethene	0.038	31	0.26	210
Ethyl Benzene	0.038	3.0	0.16	13
m,p-Xylene	0.076	22	0.33	93
o-Xylene	0.038	34	0.16	140

Client Sample ID: SV-22 ISS 720 25th Ave

Lab ID#: 1212085-04A



Air Toxics

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: SV-22 ISS 720 25th Ave**Lab ID#: 1212085-04A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Toluene	0.037	0.32	0.14	1.2
Tetrachloroethene	0.037	36	0.25	240

Client Sample ID: SV-23 ISS 720 25th Ave**Lab ID#: 1212085-05A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Toluene	0.036	0.16	0.13	0.60
Tetrachloroethene	0.036	34	0.24	230

Client Sample ID: SV-24 ISS 720 25th Ave**Lab ID#: 1212085-06A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.12	0.16	0.38	0.51
Toluene	0.048	1.1	0.18	4.0
Tetrachloroethene	0.048	44	0.33	300
Ethyl Benzene	0.048	0.13	0.21	0.55
m,p-Xylene	0.096	0.50	0.42	2.2
o-Xylene	0.048	0.17	0.21	0.75

Client Sample ID: AMB-3 ISS 720 25th Ave**Lab ID#: 1212085-07A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.082	0.26	0.26	0.84
Toluene	0.033	0.63	0.12	2.4
Ethyl Benzene	0.033	0.075	0.14	0.32
m,p-Xylene	0.066	0.22	0.29	0.96
o-Xylene	0.033	0.082	0.14	0.36



Air Toxics

Client Sample ID: SV-25 ISS 720 25th Ave

Lab ID#: 1212085-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c121115sim	Date of Collection:	11/30/12 4:00:00 PM
Dil. Factor:	1.78	Date of Analysis:	12/12/12 07:14 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.018	Not Detected	0.046	Not Detected
1,1-Dichloroethene	0.018	Not Detected	0.070	Not Detected
1,1-Dichloroethane	0.036	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.036	Not Detected	0.14	Not Detected
1,1,1-Trichloroethane	0.036	0.045	0.19	0.24
Benzene	0.089	9.5	0.28	30
1,2-Dichloroethane	0.036	Not Detected	0.14	Not Detected
Trichloroethene	0.036	0.31	0.19	1.7
Toluene	0.036	3.5	0.13	13
1,1,2-Trichloroethane	0.036	Not Detected	0.19	Not Detected
Tetrachloroethene	0.036	11	0.24	75
Ethyl Benzene	0.036	2.6	0.15	11
m,p-Xylene	0.071	13	0.31	56
o-Xylene	0.036	16	0.15	68
1,1,2,2-Tetrachloroethane	0.036	Not Detected	0.24	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.70	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.64	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	122	70-130



Air Toxics

Client Sample ID: SV-20 ISS 720 25th Ave

Lab ID#: 1212085-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c121116sim	Date of Collection: 11/30/12 4:05:00 PM
Dil. Factor:	1.79	Date of Analysis: 12/12/12 07:55 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.018	Not Detected	0.046	Not Detected
1,1-Dichloroethene	0.018	Not Detected	0.071	Not Detected
1,1-Dichloroethane	0.036	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.036	Not Detected	0.14	Not Detected
1,1,1-Trichloroethane	0.036	Not Detected	0.20	Not Detected
Benzene	0.090	Not Detected	0.28	Not Detected
1,2-Dichloroethane	0.036	Not Detected	0.14	Not Detected
Trichloroethene	0.036	Not Detected	0.19	Not Detected
Toluene	0.036	0.10	0.13	0.40
1,1,2-Trichloroethane	0.036	Not Detected	0.20	Not Detected
Tetrachloroethene	0.036	9.9	0.24	67
Ethyl Benzene	0.036	0.039	0.16	0.17
m,p-Xylene	0.072	0.088	0.31	0.38
o-Xylene	0.036	Not Detected	0.16	Not Detected
1,1,2,2-Tetrachloroethane	0.036	Not Detected	0.24	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.64	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	97	70-130



Air Toxics

Client Sample ID: SV-21 ISS 720 25th Ave

Lab ID#: 1212085-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c121117sim	Date of Collection:	11/30/12 4:10:00 PM
Dil. Factor:	1.90	Date of Analysis:	12/12/12 08:31 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.019	Not Detected	0.048	Not Detected
1,1-Dichloroethene	0.019	Not Detected	0.075	Not Detected
1,1-Dichloroethane	0.038	Not Detected	0.15	Not Detected
cis-1,2-Dichloroethene	0.038	Not Detected	0.15	Not Detected
1,1,1-Trichloroethane	0.038	Not Detected	0.21	Not Detected
Benzene	0.095	8.6	0.30	28
1,2-Dichloroethane	0.038	Not Detected	0.15	Not Detected
Trichloroethene	0.038	0.25	0.20	1.4
Toluene	0.038	2.8	0.14	10
1,1,2-Trichloroethane	0.038	Not Detected	0.21	Not Detected
Tetrachloroethene	0.038	31	0.26	210
Ethyl Benzene	0.038	3.0	0.16	13
m,p-Xylene	0.076	22	0.33	93
o-Xylene	0.038	34	0.16	140
1,1,2,2-Tetrachloroethane	0.038	Not Detected	0.26	Not Detected
trans-1,2-Dichloroethene	0.19	Not Detected	0.75	Not Detected
Methyl tert-butyl ether	0.19	Not Detected	0.68	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	128	70-130



Air Toxics

Client Sample ID: SV-22 ISS 720 25th Ave

Lab ID#: 1212085-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c121118sim	Date of Collection: 11/30/12 4:15:00 PM
Dil. Factor:	1.83	Date of Analysis: 12/12/12 09:17 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.018	Not Detected	0.047	Not Detected
1,1-Dichloroethene	0.018	Not Detected	0.072	Not Detected
1,1-Dichloroethane	0.037	Not Detected	0.15	Not Detected
cis-1,2-Dichloroethene	0.037	Not Detected	0.14	Not Detected
1,1,1-Trichloroethane	0.037	Not Detected	0.20	Not Detected
Benzene	0.092	Not Detected	0.29	Not Detected
1,2-Dichloroethane	0.037	Not Detected	0.15	Not Detected
Trichloroethene	0.037	Not Detected	0.20	Not Detected
Toluene	0.037	0.32	0.14	1.2
1,1,2-Trichloroethane	0.037	Not Detected	0.20	Not Detected
Tetrachloroethene	0.037	36	0.25	240
Ethyl Benzene	0.037	Not Detected	0.16	Not Detected
m,p-Xylene	0.073	Not Detected	0.32	Not Detected
o-Xylene	0.037	Not Detected	0.16	Not Detected
1,1,2,2-Tetrachloroethane	0.037	Not Detected	0.25	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.66	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	103	70-130



Air Toxics

Client Sample ID: SV-23 ISS 720 25th Ave

Lab ID#: 1212085-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c121119sim	Date of Collection:	11/30/12 4:20:00 PM
Dil. Factor:	1.79	Date of Analysis:	12/12/12 09:53 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.018	Not Detected	0.046	Not Detected
1,1-Dichloroethene	0.018	Not Detected	0.071	Not Detected
1,1-Dichloroethane	0.036	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.036	Not Detected	0.14	Not Detected
1,1,1-Trichloroethane	0.036	Not Detected	0.20	Not Detected
Benzene	0.090	Not Detected	0.28	Not Detected
1,2-Dichloroethane	0.036	Not Detected	0.14	Not Detected
Trichloroethene	0.036	Not Detected	0.19	Not Detected
Toluene	0.036	0.16	0.13	0.60
1,1,2-Trichloroethane	0.036	Not Detected	0.20	Not Detected
Tetrachloroethene	0.036	34	0.24	230
Ethyl Benzene	0.036	Not Detected	0.16	Not Detected
m,p-Xylene	0.072	Not Detected	0.31	Not Detected
o-Xylene	0.036	Not Detected	0.16	Not Detected
1,1,2,2-Tetrachloroethane	0.036	Not Detected	0.24	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.64	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: SV-24 ISS 720 25th Ave

Lab ID#: 1212085-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c121215sim	Date of Collection: 11/30/12 4:25:00 PM
Dil. Factor:	2.41	Date of Analysis: 12/13/12 06:58 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.024	Not Detected	0.062	Not Detected
1,1-Dichloroethene	0.024	Not Detected	0.096	Not Detected
1,1-Dichloroethane	0.048	Not Detected	0.20	Not Detected
cis-1,2-Dichloroethene	0.048	Not Detected	0.19	Not Detected
1,1,1-Trichloroethane	0.048	Not Detected	0.26	Not Detected
Benzene	0.12	0.16	0.38	0.51
1,2-Dichloroethane	0.048	Not Detected	0.20	Not Detected
Trichloroethene	0.048	Not Detected	0.26	Not Detected
Toluene	0.048	1.1	0.18	4.0
1,1,2-Trichloroethane	0.048	Not Detected	0.26	Not Detected
Tetrachloroethene	0.048	44	0.33	300
Ethyl Benzene	0.048	0.13	0.21	0.55
m,p-Xylene	0.096	0.50	0.42	2.2
o-Xylene	0.048	0.17	0.21	0.75
1,1,2,2-Tetrachloroethane	0.048	Not Detected	0.33	Not Detected
trans-1,2-Dichloroethene	0.24	Not Detected	0.96	Not Detected
Methyl tert-butyl ether	0.24	Not Detected	0.87	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: AMB-3 ISS 720 25th Ave

Lab ID#: 1212085-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c121216sim	Date of Collection:	11/30/12 3:55:00 PM
Dil. Factor:	1.65	Date of Analysis:	12/13/12 07:34 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Benzene	0.082	0.26	0.26	0.84
1,2-Dichloroethane	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	Not Detected	0.18	Not Detected
Toluene	0.033	0.63	0.12	2.4
1,1,2-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	Not Detected	0.22	Not Detected
Ethyl Benzene	0.033	0.075	0.14	0.32
m,p-Xylene	0.066	0.22	0.29	0.96
o-Xylene	0.033	0.082	0.14	0.36
1,1,2,2-Tetrachloroethane	0.033	Not Detected	0.23	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected
Methyl tert-butyl ether	0.16	Not Detected	0.59	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1212085-13A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c121105sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/11/12 02:06 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	92	70-130

Client Sample ID: Lab Blank

Lab ID#: 1212085-13B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c121208sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/12/12 03:11 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	94	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1212085-14A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c121102sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/11/12 11:04 AM

Compound	%Recovery
Vinyl Chloride	74
1,1-Dichloroethene	77
1,1-Dichloroethane	81
cis-1,2-Dichloroethene	87
1,1,1-Trichloroethane	86
Benzene	80
1,2-Dichloroethane	90
Trichloroethene	88
Toluene	91
1,1,2-Trichloroethane	92
Tetrachloroethene	90
Ethyl Benzene	89
m,p-Xylene	85
o-Xylene	87
1,1,2,2-Tetrachloroethane	87
trans-1,2-Dichloroethene	87
Methyl tert-butyl ether	78

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	106	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1212085-14B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c121203sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/12/12 11:13 AM

Compound	%Recovery
Vinyl Chloride	70
1,1-Dichloroethene	74
1,1-Dichloroethane	78
cis-1,2-Dichloroethene	87
1,1,1-Trichloroethane	86
Benzene	76
1,2-Dichloroethane	87
Trichloroethene	88
Toluene	90
1,1,2-Trichloroethane	90
Tetrachloroethene	89
Ethyl Benzene	90
m,p-Xylene	87
o-Xylene	89
1,1,2,2-Tetrachloroethane	87
trans-1,2-Dichloroethene	86
Methyl tert-butyl ether	78

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	108	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1212085-15A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c121103sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/11/12 12:30 PM

Compound	%Recovery
Vinyl Chloride	74
1,1-Dichloroethene	82
1,1-Dichloroethane	84
cis-1,2-Dichloroethene	91
1,1,1-Trichloroethane	91
Benzene	82
1,2-Dichloroethane	92
Trichloroethene	92
Toluene	95
1,1,2-Trichloroethane	94
Tetrachloroethene	91
Ethyl Benzene	92
m,p-Xylene	91
o-Xylene	92
1,1,2,2-Tetrachloroethane	90
trans-1,2-Dichloroethene	102
Methyl tert-butyl ether	80

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	105	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1212085-15AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c121104sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/11/12 01:14 PM

Compound	%Recovery
Vinyl Chloride	76
1,1-Dichloroethene	84
1,1-Dichloroethane	85
cis-1,2-Dichloroethene	93
1,1,1-Trichloroethane	92
Benzene	83
1,2-Dichloroethane	94
Trichloroethene	93
Toluene	94
1,1,2-Trichloroethane	97
Tetrachloroethene	92
Ethyl Benzene	92
m,p-Xylene	88
o-Xylene	88
1,1,2,2-Tetrachloroethane	89
trans-1,2-Dichloroethene	104
Methyl tert-butyl ether	82

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1212085-15B

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c121205sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/12/12 12:50 PM

Compound	%Recovery
Vinyl Chloride	72
1,1-Dichloroethene	82
1,1-Dichloroethane	82
cis-1,2-Dichloroethene	92
1,1,1-Trichloroethane	91
Benzene	81
1,2-Dichloroethane	91
Trichloroethene	92
Toluene	92
1,1,2-Trichloroethane	96
Tetrachloroethene	94
Ethyl Benzene	92
m,p-Xylene	89
o-Xylene	89
1,1,2,2-Tetrachloroethane	90
trans-1,2-Dichloroethene	102
Methyl tert-butyl ether	81

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: LCSD

Lab ID#: 1212085-15BB

MODIFIED EPA METHOD TO-15 GC/MS SIM

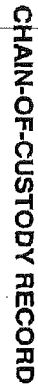
File Name: c121206sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/12/12 01:37 PM

Compound	%Recovery
Vinyl Chloride	72
1,1-Dichloroethene	82
1,1-Dichloroethane	83
cis-1,2-Dichloroethene	92
1,1,1-Trichloroethane	92
Benzene	80
1,2-Dichloroethane	91
Trichloroethene	92
Toluene	92
1,1,2-Trichloroethane	96
Tetrachloroethene	93
Ethyl Benzene	92
m,p-Xylene	87
o-Xylene	88
1,1,2,2-Tetrachloroethane	89
trans-1,2-Dichloroethene	102
Methyl tert-butyl ether	81

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	87	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	101	70-130



Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

Page 1 of 2

Collected by: (Print and Sign) Robert Huebner

P.O. # 371

Project # W-525106C-I

Project Name Cherry Creek

specify

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	Notes: PASTE NOTE SV-19 SHOWS BE CHANGED TO SV-25 - RY
<i>[Signature]</i>	12/3/12 1000			
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	

Please Note SV-19 should
be changed to SV-25

PH

Revised COC received 12/5/12



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 2

Project Manager ELISABETH SILVER

Collected by: (Print and Sign) ROBERT HUBER

Company ELC HOLDING Email esilver@elc-holding.com

Address 101 Andrew Park W. City TUKWILA State WA Zip 98188

Phone 206-518-6120 Fax 206-518-6123

Project Info:

P.O. # 371

Project # W-525106C-I

Project Name Cherry Creek

Turn Around Time:
☒ Normal
☐ Rush

Lab Use Only:
Pressurized by:
Date: _____
Pressurization Gas: _____

specify N₂ H₂

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum		
						Initial	Final	Receipt Final (gall)
01A	SV-19 ISS 720 25 th AVE	24233	11/30/12	1600	TO-15 SIM (SL)SH17	-27	-7	
02A	SV-20 ISS 720 25 th AVE	20945	11/30/12	1605	TO-15 SIM (SL)SH17	-30	-8	
03A	SV-21 ISS 720 25 th AVE	4241	11/30/12	1610	TO-15 SIM (SL)SH17	-29	-8	
04A	SV-22 ISS 720 25 th AVE	35155	11/30/12	1615	TO-15 SIM (SL)SH17	-29.5	-7	
05A	SV-23 ISS 720 25 th AVE	33984	11/30/12	1620	TO-15 SIM (SL)SH17	-28.5	-7	
06A	SV-24 ISS 720 25 th AVE	34229	11/30/12	1625	TO-15 SIM (SL)SH17	-28	-6	
07A	AM6-3 ISS 720 25 th AVE	25309	11/30/12	1555	TO-15 SIM (SL)SH17	-29.5	-8	
Notes:								
Relinquished by: (signature) <u>[Signature]</u>	Date/Time <u>12/3/12 1000</u>	Received by: (signature) <u>[Signature]</u>	Date/Time <u>12/5/12 1200</u>					
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time					
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time					
Lab Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals-Intact?	Work Order #			
UPS		NA	Good	Yes No <u>None</u>	1212085			

12/31/2012

Ms. Elisabeth Silver

ECC Horizon

1101 Andover Park W.

Suite 101

Seattle WA 98188

Project Name: Cherry Cleaners

Project #: W-S2510EC-I

Workorder #: 1212234

Dear Ms. Elisabeth Silver

The following report includes the data for the above referenced project for sample(s) received on 12/12/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner

Project Manager

WORK ORDER #: 1212234

Work Order Summary

CLIENT: Ms. Elisabeth Silver
ECC Horizon
1101 Andover Park W.
Suite 101
Seattle, WA 98188

BILL TO: Accounts Payable
ECC Horizon
One Emery Ave.
Randolph, NJ 07869

PHONE: 206-518-6120

P.O. # 371

FAX:

PROJECT # W-S2510EC-I Cherry Cleaners

DATE RECEIVED: 12/12/2012

CONTACT: Kelly Buettner

DATE COMPLETED: 12/31/2012

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	IA-18 711A 26th Ave.	Modified TO-15 SIM	7.0 "Hg	5 psi
02A	IA-19 711A 26th Ave.	Modified TO-15 SIM	7.0 "Hg	5 psi
03A	Lab Blank	Modified TO-15 SIM	NA	NA
04A	CCV	Modified TO-15 SIM	NA	NA
05A	LCS	Modified TO-15 SIM	NA	NA
05AA	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:



Technical Director

DATE: 12/31/12

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291,
TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2011, Expiration date: 10/17/2012.

Eurofins Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-15 SIM
ECC Horizon
Workorder# 1212234

Two 6 Liter Summa Canister (SIM Certified) samples were received on December 12, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
ICAL %RSD acceptance criteria	$\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD	Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD
Daily Calibration	$\pm 30\%$ Difference	Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IA-18 711A 26th Ave.

Lab ID#: 1212234-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.088	0.41	0.28	1.3
1,2-Dichloroethane	0.035	0.13	0.14	0.53
Toluene	0.035	1.7	0.13	6.3
Tetrachloroethene	0.035	0.42	0.24	2.8
Ethyl Benzene	0.035	0.19	0.15	0.84
m,p-Xylene	0.070	0.63	0.30	2.7
o-Xylene	0.035	0.21	0.15	0.93

Client Sample ID: IA-19 711A 26th Ave.

Lab ID#: 1212234-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.088	0.34	0.28	1.1
1,2-Dichloroethane	0.035	0.076	0.14	0.30
Toluene	0.035	2.1	0.13	7.9
Tetrachloroethene	0.035	0.37	0.24	2.5
Ethyl Benzene	0.035	0.18	0.15	0.78
m,p-Xylene	0.070	0.58	0.30	2.5
o-Xylene	0.035	0.20	0.15	0.88



Air Toxics

Client Sample ID: IA-18 711A 26th Ave.

Lab ID#: 1212234-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	a121314sim	Date of Collection: 12/6/12 3:35:00 PM
Dil. Factor:	1.75	Date of Analysis: 12/14/12 08:18 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
1,1-Dichloroethene	0.018	Not Detected	0.069	Not Detected
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Benzene	0.088	0.41	0.28	1.3
1,2-Dichloroethane	0.035	0.13	0.14	0.53
Trichloroethene	0.035	Not Detected	0.19	Not Detected
Toluene	0.035	1.7	0.13	6.3
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	0.42	0.24	2.8
Ethyl Benzene	0.035	0.19	0.15	0.84
m,p-Xylene	0.070	0.63	0.30	2.7
o-Xylene	0.035	0.21	0.15	0.93
1,1,2,2-Tetrachloroethane	0.035	Not Detected	0.24	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: IA-19 711A 26th Ave.

Lab ID#: 1212234-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: a121315sim
Dil. Factor: 1.75

Date of Collection: 12/6/12 3:30:00 PM
Date of Analysis: 12/14/12 09:06 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.018	Not Detected	0.045	Not Detected
1,1-Dichloroethene	0.018	Not Detected	0.069	Not Detected
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Benzene	0.088	0.34	0.28	1.1
1,2-Dichloroethane	0.035	0.076	0.14	0.30
Trichloroethene	0.035	Not Detected	0.19	Not Detected
Toluene	0.035	2.1	0.13	7.9
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	0.37	0.24	2.5
Ethyl Benzene	0.035	0.18	0.15	0.78
m,p-Xylene	0.070	0.58	0.30	2.5
o-Xylene	0.035	0.20	0.15	0.88
1,1,2,2-Tetrachloroethane	0.035	Not Detected	0.24	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.63	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	124	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	104	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1212234-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: a121308sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/13/12 08:08 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	122	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	97	70-130

Client Sample ID: CCV

Lab ID#: 1212234-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: a121302sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/13/12 01:00 PM

Compound	%Recovery
Vinyl Chloride	95
1,1-Dichloroethene	91
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	94
1,1,1-Trichloroethane	100
Benzene	96
1,2-Dichloroethane	109
Trichloroethene	91
Toluene	94
1,1,2-Trichloroethane	100
Tetrachloroethene	93
Ethyl Benzene	102
m,p-Xylene	106
o-Xylene	103
1,1,2,2-Tetrachloroethane	92
trans-1,2-Dichloroethene	96
Methyl tert-butyl ether	102

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: LCS

Lab ID#: 1212234-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: a121303sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/13/12 01:37 PM

Compound	%Recovery
Vinyl Chloride	105
1,1-Dichloroethene	106
1,1-Dichloroethane	107
cis-1,2-Dichloroethene	105
1,1,1-Trichloroethane	112
Benzene	107
1,2-Dichloroethane	120
Trichloroethene	103
Toluene	103
1,1,2-Trichloroethane	113
Tetrachloroethene	104
Ethyl Benzene	110
m,p-Xylene	111
o-Xylene	107
1,1,2,2-Tetrachloroethane	104
trans-1,2-Dichloroethene	118
Methyl tert-butyl ether	111

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: LCSD

Lab ID#: 1212234-05AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: a121304sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/13/12 03:17 PM

Compound	%Recovery
Vinyl Chloride	104
1,1-Dichloroethene	100
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	100
1,1,1-Trichloroethane	107
Benzene	104
1,2-Dichloroethane	116
Trichloroethene	100
Toluene	99
1,1,2-Trichloroethane	109
Tetrachloroethene	100
Ethyl Benzene	107
m,p-Xylene	110
o-Xylene	106
1,1,2,2-Tetrachloroethane	98
trans-1,2-Dichloroethene	113
Methyl tert-butyl ether	105

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	102	70-130



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

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FOLSOM, CA 95630-4719
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Page 1 of 1

Project Manager

ELISABETH SILVER

Collected by: (Print and Sign)

Robert Huber / RCH

Company

EC Horizon

Email esilver@ec-horizon.com

Address 1101 Anderson Pkwy. City Turkey State WA Zip 98188

Phone 206-518-6130

Fax 206-518-6123

Project Info:

P.O. # 371

Project # W-52510 EC-I

Project Name Chemical Cleaners

Turn Around Time:

☒ Normal

☐ Rush

Lab Use Only
Pressurized by:

Date:

Pressurization Gas:

specify

N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psi)

QIA IA-18	711A 26 th NE	12675	12/6/12	1535	TO-15 LL (SL)	>30	-7.5		
QIA IA-19	711A 26 th NE	34499	12/6/12	1530	TO-15 LL (SL)	-29	-7.5		

Relinquished by: (signature) Date/Time

RCH 12/10/12 1000

Received by: (signature) Date/Time

Robert Huber the collector 12/10

Notes:

Relinquished by: (signature) Date/Time

Received by: (signature) Date/Time

Relinquished by: (signature) Date/Time

Received by: (signature) Date/Time

Lab Shipper Name

Air Bill #

Temp (°C)

Condition

Custody Seals Intact?

Work Order #

Lab Use Only

WES

NA

Good

Yes

No

None

1212234

1/2/2013

Ms. Elisabeth Silver

ECC Horizon

1101 Andover Park W.

Suite 101

Seattle WA 98188

Project Name: Cherry Cleaners

Project #: W-S2510EC

Workorder #: 1212085B

Dear Ms. Elisabeth Silver

The following report includes the data for the above referenced project for sample(s) received on 12/5/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner

Project Manager

WORK ORDER #: 1212085B

Work Order Summary

CLIENT: Ms. Elisabeth Silver
ECC Horizon
1101 Andover Park W.
Suite 101
Seattle, WA 98188

BILL TO: Accounts Payable
ECC Horizon
One Emery Ave.
Randolph, NJ 07869

PHONE: 206-518-6120

P.O. # 371

FAX:

PROJECT # W-S2510EC Cherry Cleaners

DATE RECEIVED: 12/05/2012

CONTACT: Kelly Buettner

DATE COMPLETED: 01/02/2013

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
08A	IA-13 ISS 720 25th Ave*	Modified TO-15 SIM	8.0 "Hg	5 psi
09A	IA-14 ISS 720 25th Ave*	Modified TO-15 SIM	6.8 "Hg	5 psi
10A	IA-15 ISS 720 25th Ave*	Modified TO-15 SIM	9.8 "Hg	5 psi
11A	IA-16 ISS 720 25th Ave*	Modified TO-15 SIM	5.8 "Hg	5 psi
12A	IA-17 ISS 720 25th Ave*	Modified TO-15 SIM	6.2 "Hg	5 psi
13A	Lab Blank	Modified TO-15 SIM	NA	NA
14A	CCV	Modified TO-15 SIM	NA	NA
15A	LCS	Modified TO-15 SIM	NA	NA
15AA	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:



Technical Director

DATE: 01/02/13

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291,
TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2011, Expiration date: 10/17/2012.

Eurofins Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-15 SIM
ECC Horizon
Workorder# 1212085B

Five 6 Liter Summa Canister (SIM Certified) samples were received on December 05, 2012. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
ICAL %RSD acceptance criteria	$\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD	Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD
Daily Calibration	$\pm 30\%$ Difference	Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

Samples IA-13 ISS 720 25th Ave*, IA-14 ISS 720 25th Ave*, IA-15 ISS 720 25th Ave*, IA-16 ISS 720 25th Ave*, IA-17 ISS 720 25th Ave* were placed on hold per client request.

Samples IA-13 ISS 720 25th Ave*, IA-14 ISS 720 25th Ave*, IA-15 ISS 720 25th Ave*, IA-16 ISS 720 25th Ave*, IA-17 ISS 720 25th Ave* were removed from 'Hold' status and placed on 'Active' status per client request on 12/21/2012.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
- J - Estimated value.
- E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IA-13 ISS 720 25th Ave*

Lab ID#: 1212085B-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.092	0.40	0.29	1.3
Toluene	0.037	1.7	0.14	6.3
Tetrachloroethene	0.037	0.12	0.25	0.81
Ethyl Benzene	0.037	0.16	0.16	0.68
m,p-Xylene	0.073	0.56	0.32	2.4
o-Xylene	0.037	0.19	0.16	0.84

Client Sample ID: IA-14 ISS 720 25th Ave*

Lab ID#: 1212085B-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.086	0.37	0.28	1.2
Toluene	0.035	1.3	0.13	5.0
Ethyl Benzene	0.035	0.17	0.15	0.73
m,p-Xylene	0.069	0.52	0.30	2.2
o-Xylene	0.035	0.19	0.15	0.84

Client Sample ID: IA-15 ISS 720 25th Ave*

Lab ID#: 1212085B-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.10	0.41	0.32	1.3
Toluene	0.040	1.3	0.15	5.0
Tetrachloroethene	0.040	0.061	0.27	0.41
Ethyl Benzene	0.040	0.19	0.17	0.81
m,p-Xylene	0.080	0.64	0.34	2.8
o-Xylene	0.040	0.23	0.17	1.0

Client Sample ID: IA-16 ISS 720 25th Ave*

Lab ID#: 1212085B-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
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Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IA-16 ISS 720 25th Ave*

Lab ID#: 1212085B-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.083	0.37	0.26	1.2
Toluene	0.033	0.65	0.12	2.4
Ethyl Benzene	0.033	0.092	0.14	0.40
m,p-Xylene	0.066	0.29	0.29	1.3
o-Xylene	0.033	0.11	0.14	0.49

Client Sample ID: IA-17 ISS 720 25th Ave*

Lab ID#: 1212085B-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.084	0.38	0.27	1.2
Toluene	0.034	1.5	0.13	5.8
Tetrachloroethene	0.034	0.084	0.23	0.57
Ethyl Benzene	0.034	0.17	0.15	0.74
m,p-Xylene	0.068	0.60	0.29	2.6
o-Xylene	0.034	0.22	0.15	0.94



Air Toxics

Client Sample ID: IA-13 ISS 720 25th Ave*

Lab ID#: 1212085B-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c122611sim	Date of Collection:	11/30/12 4:30:00 PM
Dil. Factor:	1.83	Date of Analysis:	12/26/12 05:06 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.018	Not Detected	0.047	Not Detected
1,1-Dichloroethene	0.018	Not Detected	0.072	Not Detected
1,1-Dichloroethane	0.037	Not Detected	0.15	Not Detected
cis-1,2-Dichloroethene	0.037	Not Detected	0.14	Not Detected
1,1,1-Trichloroethane	0.037	Not Detected	0.20	Not Detected
Benzene	0.092	0.40	0.29	1.3
1,2-Dichloroethane	0.037	Not Detected	0.15	Not Detected
Trichloroethene	0.037	Not Detected	0.20	Not Detected
Toluene	0.037	1.7	0.14	6.3
1,1,2-Trichloroethane	0.037	Not Detected	0.20	Not Detected
Tetrachloroethene	0.037	0.12	0.25	0.81
Ethyl Benzene	0.037	0.16	0.16	0.68
m,p-Xylene	0.073	0.56	0.32	2.4
o-Xylene	0.037	0.19	0.16	0.84
1,1,2,2-Tetrachloroethane	0.037	Not Detected	0.25	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.66	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	95	70-130



Air Toxics

Client Sample ID: IA-14 ISS 720 25th Ave*

Lab ID#: 1212085B-09A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c122612sim	Date of Collection: 11/30/12 4:40:00 PM
Dil. Factor:	1.73	Date of Analysis: 12/26/12 05:43 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
1,1-Dichloroethane	0.035	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.035	Not Detected	0.14	Not Detected
1,1,1-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Benzene	0.086	0.37	0.28	1.2
1,2-Dichloroethane	0.035	Not Detected	0.14	Not Detected
Trichloroethene	0.035	Not Detected	0.18	Not Detected
Toluene	0.035	1.3	0.13	5.0
1,1,2-Trichloroethane	0.035	Not Detected	0.19	Not Detected
Tetrachloroethene	0.035	Not Detected	0.23	Not Detected
Ethyl Benzene	0.035	0.17	0.15	0.73
m,p-Xylene	0.069	0.52	0.30	2.2
o-Xylene	0.035	0.19	0.15	0.84
1,1,2,2-Tetrachloroethane	0.035	Not Detected	0.24	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	98	70-130



Air Toxics

Client Sample ID: IA-15 ISS 720 25th Ave*

Lab ID#: 1212085B-10A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c122613sim
Dil. Factor: 1.99

Date of Collection: 11/30/12 4:45:00 PM
Date of Analysis: 12/26/12 06:27 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.020	Not Detected	0.051	Not Detected
1,1-Dichloroethene	0.020	Not Detected	0.079	Not Detected
1,1-Dichloroethane	0.040	Not Detected	0.16	Not Detected
cis-1,2-Dichloroethene	0.040	Not Detected	0.16	Not Detected
1,1,1-Trichloroethane	0.040	Not Detected	0.22	Not Detected
Benzene	0.10	0.41	0.32	1.3
1,2-Dichloroethane	0.040	Not Detected	0.16	Not Detected
Trichloroethene	0.040	Not Detected	0.21	Not Detected
Toluene	0.040	1.3	0.15	5.0
1,1,2-Trichloroethane	0.040	Not Detected	0.22	Not Detected
Tetrachloroethene	0.040	0.061	0.27	0.41
Ethyl Benzene	0.040	0.19	0.17	0.81
m,p-Xylene	0.080	0.64	0.34	2.8
o-Xylene	0.040	0.23	0.17	1.0
1,1,2,2-Tetrachloroethane	0.040	Not Detected	0.27	Not Detected
trans-1,2-Dichloroethene	0.20	Not Detected	0.79	Not Detected
Methyl tert-butyl ether	0.20	Not Detected	0.72	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	90	70-130



Air Toxics

Client Sample ID: IA-16 ISS 720 25th Ave*

Lab ID#: 1212085B-11A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c122614sim	Date of Collection: 11/30/12 4:50:00 PM
Dil. Factor:	1.66	Date of Analysis: 12/26/12 07:19 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.042	Not Detected
1,1-Dichloroethene	0.017	Not Detected	0.066	Not Detected
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Benzene	0.083	0.37	0.26	1.2
1,2-Dichloroethane	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	Not Detected	0.18	Not Detected
Toluene	0.033	0.65	0.12	2.4
1,1,2-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	Not Detected	0.22	Not Detected
Ethyl Benzene	0.033	0.092	0.14	0.40
m,p-Xylene	0.066	0.29	0.29	1.3
o-Xylene	0.033	0.11	0.14	0.49
1,1,2,2-Tetrachloroethane	0.033	Not Detected	0.23	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.66	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: IA-17 ISS 720 25th Ave*

Lab ID#: 1212085B-12A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c122615sim	Date of Collection: 11/30/12 4:55:00 PM
Dil. Factor:	1.69	Date of Analysis: 12/26/12 07:59 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Benzene	0.084	0.38	0.27	1.2
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
Toluene	0.034	1.5	0.13	5.8
1,1,2-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	0.084	0.23	0.57
Ethyl Benzene	0.034	0.17	0.15	0.74
m,p-Xylene	0.068	0.60	0.29	2.6
o-Xylene	0.034	0.22	0.15	0.94
1,1,2,2-Tetrachloroethane	0.034	Not Detected	0.23	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.61	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	99	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1212085B-13A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c122608sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/26/12 01:57 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
1,1,2-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected
1,1,2,2-Tetrachloroethane	0.020	Not Detected	0.14	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	94	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1212085B-14A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c122604sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/26/12 10:27 AM

Compound	%Recovery
Vinyl Chloride	87
1,1-Dichloroethene	100
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	105
1,1,1-Trichloroethane	103
Benzene	88
1,2-Dichloroethane	100
Trichloroethene	93
Toluene	106
1,1,2-Trichloroethane	100
Tetrachloroethene	92
Ethyl Benzene	114
m,p-Xylene	119
o-Xylene	118
1,1,2,2-Tetrachloroethane	100
trans-1,2-Dichloroethene	103
Methyl tert-butyl ether	114

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	109	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1212085B-15A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c122605sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/26/12 11:26 AM

Compound	%Recovery
Vinyl Chloride	91
1,1-Dichloroethene	110
1,1-Dichloroethane	103
cis-1,2-Dichloroethene	112
1,1,1-Trichloroethane	109
Benzene	93
1,2-Dichloroethane	103
Trichloroethene	99
Toluene	109
1,1,2-Trichloroethane	106
Tetrachloroethene	98
Ethyl Benzene	119
m,p-Xylene	125
o-Xylene	122
1,1,2,2-Tetrachloroethane	105
trans-1,2-Dichloroethene	122
Methyl tert-butyl ether	119

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	103	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1212085B-15AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name: c122606sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 12/26/12 12:11 PM

Compound	%Recovery
Vinyl Chloride	89
1,1-Dichloroethene	108
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	111
1,1,1-Trichloroethane	108
Benzene	90
1,2-Dichloroethane	100
Trichloroethene	97
Toluene	107
1,1,2-Trichloroethane	104
Tetrachloroethene	96
Ethyl Benzene	118
m,p-Xylene	125
o-Xylene	122
1,1,2,2-Tetrachloroethane	102
trans-1,2-Dichloroethene	121
Methyl tert-butyl ether	118

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	104	70-130



Sample Transportation Notice

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180 BLUE RAIVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 2 of 2

CHAIN-OF-CUSTODY RECORD

Project Manager ELISABETH SILVER

Collected by: (Print and Sign) ROBERT HUBER

Company ELC HOLDING Email esilver@elcholding.com

Address 101 Anderson Park W. City TRUCKEE State CA ZIP 96188

Phone 206-518-6120 Fax 206-518-6123

Project Info:

P.O. # 371

Project # W-S2510EC-I

Project Name CHEERY CEMENTS

Turn Around Time:

☒ Normal

☐ Rush

Lab Use Only
Pressurized by: _____
Date: _____
Pressurization Gas: _____

specify _____
N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum		
						Initial	Final	Receipt (psi)
08A	IA-13 ISS 720 25 th AVE	10777	11/30/12	1630	TO-15 SIM (SH) SH17	-29	-8	
09A	IA-14 ISS 720 25 th AVE	35259	11/30/12	1640	TO-15 SIM (SH) SH17	-28	-11	
10A	IA-15 ISS 720 25 th AVE	57777	11/30/12	1645	TO-15 SIM (SH) SH17	-28.5	-8	
11A	IA-16 ISS 720 25 th AVE	5734	11/30/12	1650	TO-15 SIM (SH) SH17	-27.5	-5	
12A	IA-17 ISS 720 25 th AVE	35251	11/30/12	1655	TO-15 SIM (SH) SH11	-20	-7	
Relinquished by: (signature) <u>[Signature]</u> Date/Time <u>12/3/12 1000</u> Received by: (signature) <u>[Signature]</u> Date/Time <u>12/5/12 1200</u>								
Relinquished by: (signature) _____ Date/Time _____ Received by: (signature) _____ Date/Time _____								
Relinquished by: (signature) _____ Date/Time _____ Received by: (signature) _____ Date/Time _____								
Notes: ** Gauge questionable								
# Hold off on analysis of these samples (IA) until (SV) samples are analyzed first. call E. Silver before running (IA) samples.								
Lab	Snapper Name	Air Bill #	Temp (°C)	Condition	Custody	Seals Intact?	Work Order #	
Use Only	<u>URS</u>		<u>NA</u>	<u>Good</u>	<u>Yes</u>	<u>No</u>	<u>None</u>	<u>1212085</u>