

Salazar Consulting Group, Inc.

A professional team of engineers, industrial hygienists,
safety experts, physicians, and health scientists.

Indoor Environmental Quality Evaluations
Environmental and Medical Monitoring
EPA/OSHA Compliance
Expert Testimony

Hazardous Waste Control
Hazard Communication
Safety Evaluations
Training

June 28, 2010

Mr. Aston A. Henry
Supervisor, Risk Management Department
The School Board of Broward County
600 Southeast 3rd Avenue
Fort Lauderdale, Florida 33301

RE: Chemical and Radon Screening Results
Croissant Park Elementary School
1800 Southwest 4th Avenue
Fort Lauderdale, Florida 33315-2114
SCG File No.: 1031.73

Dear Mr. Henry:

Salazar Consulting Group, Inc. (SCG) has received the analytical results for airborne chemical and radon screenings performed at Croissant Park Elementary School (CPES) on June 8, 2010. Chemical air samples were collected at various indoor and outdoor locations at the facility, and similarly at a neighboring school for comparative purposes. Samples were collected using evacuated canisters, which were subsequently sent to an independent American Industrial Hygiene Association (AIHA)-accredited laboratory for detection of various volatile compounds. Radon sampling was performed at CPES by an appropriately-accredited radon measurement specialist (EnHealth Environmental, Inc.); collected samples were also submitted to an independent AIHA-accredited laboratory for analyses.

Airborne chemicals detected in the samples collected at both CPES and the neighboring school are summarized in Table 1, attached. None of the levels reported, for any of the individual analytes detected at any of the sampled locations, approached or exceeded exposure levels published by the Occupational Safety and Health Administration (OSHA), the American Conference of Governmental Industrial Hygienists (ACGIH), or the National Institute of Occupational Safety and Health (NIOSH). The specific analytes were detected in the parts per billion (ppb) range, while exposure criteria levels published by OSHA, ACGIH, and NIOSH are in the parts per million (ppm) range. Obviously, the levels detected at the sampled locations are an order-of-magnitude lower than any applicable exposure criteria level.

The airborne chemical sampling data also indicate that the types and levels of agents detected were generally similar within different rooms of Building No. 200 (complaint

areas), Building No. 300 (non-complaint area), and outdoors of CPES. By comparison, a more diverse group of chemicals were detected at the neighboring school site, which generally included those detected at CPES, and the respective chemicals were detected at relatively similar concentrations.

Original documents regarding the radon screening measurements are also enclosed for reference. As indicated by the summary report, radon levels detected within Room Nos. 202, 211, and 212 of CPES remained below the 'action level' recommended by the United States Environmental Protection Agency. These results are reportedly consistent with those obtained by radon testing performed years prior at the school.



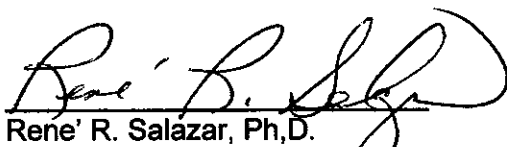
Based exclusively upon the data collected to date and described herein, SCG concludes that elevated levels of airborne chemicals and/or radon were not detected at Croissant Park Elementary School. SCG acknowledges that potable water samples were also collected at the site, but that the analytical results for such are yet unavailable. SCG will gladly review the water screening data upon receipt and advise of such outcomes by supplemental correspondence.

SCG reminds that this correspondence serves only to communicate the results of the recently completed airborne chemical and radon screening tests, and offers no comment, neither written nor implied, regarding the suitability of sampled locations for past, current, or future occupancy. Concerns regarding exposure outcomes by any specific individual(s) to any agent(s) described herein should be discussed with an appropriate health practitioner.

SCG appreciates the opportunity to be of assistance in this regard. Of course, please do not hesitate to contact us should you have any questions, comments, or require additional information.

Sincerely,

SALAZAR CONSULTING GROUP, INC.

By: 
Rene' R. Salazar, Ph.D.
Certified Industrial Hygienist

Attachment/enclosures

Table 1. Chemical Air Sampling Results

Location: Croissant Park Elementary School and Neighboring School

Collection Date: June 8, 2010

Analyte	Concentration (ppbv)							
	CPES				Neighboring School			
	RM202	RM211	RM212	RM308	Outdoors	ADM Office	Outdoors	Outdoors
propene	7.8	8.1	7.0	6.2	15	7.7	13	13
2-propanol	43	38	38	35	62	41	50	50
4-methyl-2-pentanone	2.1	2.2	2.8	2.1	ND	ND	ND	ND
methylene chloride	ND	ND	ND	ND	ND	13	ND	ND
ethyl acetate	ND	ND	ND	ND	ND	4.2	ND	ND
cyclohexane	ND	ND	ND	ND	ND	12	ND	ND
trichloroethene	ND	ND	ND	ND	ND	1.5	ND	ND
n-heptane	ND	ND	ND	ND	ND	2.1	ND	ND
toluene	ND	ND	ND	ND	ND	58	ND	ND

Concentration (ppbv) = airborne concentration of analyte detected (parts per billion by volume)

CPES = Croissant Park Elementary School

RM202/RM211/RM212 = Room 202/Room 211/Room 212; indoor/complaint locations of Building 200/Croissant Park Elementary School

RM308 = Room 308; indoor/non-complaint location of Building 300/Croissant Park Elementary School

ADM Office = Administrative Office; indoor/non-complaint location at neighboring school



Rec'd 6/28/10
(Signature)

Mr. Rene Salazar
Salazar Consulting Group, Inc.
6607 Heatherton Court
Tampa, FL 33617

June 18, 2010

DOH ELAP# 11626

Account# 14793

Login# L216385

Dear Mr. Salazar:

Enclosed are the analytical results for the samples received by our laboratory on June 10, 2010. All test results meet the quality control requirements of AIHA and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

The samples submitted for VOC Profile (61 Compound) were subcontracted to Columbia Analytical Services. Their report is enclosed in its entirety.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report.

Please contact Caroline Hudson at (877) 386-0035, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

A handwritten signature in cursive script that reads "Mary G. Unangst".

Mary G. Unangst
Laboratory Director

Enclosure(s)

LABORATORY REPORT

June 17, 2010

Shelly Krause
Galson Laboratories
6601 Kirkville Road
East Syracuse, NY 13057

RE: L216385

Dear Shelly:

Enclosed are the results of the samples submitted to our laboratory on June 16, 2010. For your reference, these analyses have been assigned our service request number P1002064.

All analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein. Your report contains 46 pages.

Columbia Analytical Services, Inc. is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA20007; The American Industrial Hygiene Association, Laboratory #101661; United States Department of Defense Environmental Laboratory Accreditation Program (DoD-ELAP), Certificate No. L10-3; Pennsylvania Registration No. 68-03307; TX Commission of Environmental Quality, NELAP ID T104704413-09-TX; Minnesota Department of Health, Certificate No. 11495AA; Washington State Department of Ecology, ELAP Lab ID: C946. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information corresponding to a particular certification.

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

Respectfully submitted,

Columbia Analytical Services, Inc.



Kate Aguilera
Project Manager

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Client: Galson Laboratories
Project: L216385

CAS Project No: P1002064
New York Lab ID: 11221

CASE NARRATIVE

The samples were received intact under chain of custody on June 16, 2010 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The samples were analyzed for selected volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. The analytical system was comprised of a gas chromatograph/mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator.

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

Client: Galson Laboratories
 Project: L216385

Detailed Sample Information

<u>CAS Sample ID</u>	<u>Client Sample ID</u>	<u>Container Type</u>	<u>Pi1 (Hg)</u>	<u>Pi1 (psig)</u>	<u>Pf1 (Hg)</u>	<u>Pi2 (Hg)</u>	<u>Pi2 (psig)</u>	<u>Cont ID</u>	<u>Order #</u>	<u>FC ID</u>
P1002064-001.01	100608-RS-01	1 each-Canister Client Supplied		0.7	3.5					
P1002064-002.01	100608-RS-02	1 each-Canister Client Supplied		0.7	3.6					
P1002064-003.01	100608-RS-03	1 each-Canister Client Supplied		0.7	3.5		0.0	3.5		
P1002064-004.01	100608-RS-04	1 each-Canister Client Supplied		0.5	3.5					
P1002064-005.01	100608-RS-05	1 each-Canister Client Supplied	0.0	0.0	3.5					
P1002064-006.01	100608-RS-06	1 each-Canister Client Supplied	-0.1	0.0	3.5					
P1002064-007.01	100608-RS-07	1 each-Canister Client Supplied		0.2	3.5					

Miscellaneous Items - received

110022564

Columbia Analytical

GALSON
LABORATORIES
6601 Kirkville Rd
East Syracuse, NY 13057-9672
Tel: 315-437-5227
888-432-LABS(5227)
Fax: 315-437-0571
www.galsonlabs.com

Report To: **Shelly Krause** Invoice To: **Pamela Weaver**
Galson Laboratory Galson Laboratory
6601 Kirkville Road 6601 Kirkville Road
East Syracuse, NY 13057 East Syracuse, NY 13057
Phone No.: 888-432-5227 Phone No.: 888-432-5227
Fax No.: 315-437-0571 Fax No.: 315-437-0571

Site Name: _____ Project: L216385 Sampled By: Client
Verbal Authorization: _____
Purchase Order No.: 14793
Credit Card No.: _____ Card Holder Name: _____
Fax Results To: Email Only Please
Email Results To: **skrause@galsonlabs.com** Fax No.: Email Only Please

Need Results By:	(surcharge)
5 Business Days	0%
4 Business Days	35%
3 Business Days	50%
2 Business Days	75%
Next Day by 6pm	100%
Next Day by Noon	150%
Same day	200%

Sample Identification	Date Sampled	Collection Medium	*Air Volume (liters)/ Passive Monitors (Min)	Analysis Requested	Method Reference	Specific DL Needed
100608-RS-01	6/8/2010	Mini Can	NA	TO15 List	mod.OSHA PV2120/EPA TO15	100
100608-RS-02	6/8/2010	Mini Can	NA	TO15 List	mod.OSHA PV2120/EPA TO15	100
100608-RS-03	6/8/2010	Mini Can	NA	TO15 List	mod.OSHA PV2120/EPA TO15	100
100608-RS-04	6/8/2010	Mini Can	NA	TO15 List	mod.OSHA PV2120/EPA TO15	100
100608-RS-05	6/8/2010	Mini Can	NA	TO15 List	mod.OSHA PV2120/EPA TO15	100
100608-RS-06	6/8/2010	Mini Can	NA	TO15 List	mod.OSHA PV2120/EPA TO15	100
100608-RS-07	6/8/2010	Mini Can	NA	TO15 List	mod.OSHA PV2120/EPA TO15	100

IF YOU DO NOT WANT A LABORATORY BLANK ADDED PLEASE CHECK BOX. If blanks are not submitted or box is not checked, our policy states that a laboratory blank will be added for each analyte and it will be charged at normal rate.

Comments: RETURN MINI CANS TO GALSON WHEN ANALYSIS IS COMPLETE. *AKA*

Please provide an uncertainty statement in accordance with AIHA LQAP policy document Section 2A.5.4.9. Need results by 06/17/10. Rush charges are authorized.

Chain of Custody: *M. Perino* Print Name: *Matthew A. Perino* Signature: *[Signature]* Date/Time: *6/15/10 1530*
Relinquished by: *[Signature]*
Received by LAB: *[Signature]*

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: Galson Laboratories

Work order: P1002064

Project: L216385

Sample(s) received on: 06/16/10

Date opened: 06/16/10 by: MZAMORA

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

- | | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Container(s) supplied by CAS? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Was a chain-of-custody provided? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Was the chain-of-custody properly completed? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Cooler Temperature _____ °C Blank Temperature _____ °C | | | |
| 10 Was a trip blank received? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Trip blank supplied by CAS: _____ | | | |
| 11 Were custody seals on outside of cooler/Box? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were custody seals on outside of sample container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Do they contain moisture? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Lab Sample ID	Container Description	Required pH*	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
1002064-001.01	Canister					
1002064-002.01	Canister					
1002064-003.01	Canister					
1002064-004.01	Canister					
1002064-005.01	Canister					

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

Chain of Custody is missing time collected _____

*Required pH: Phenols/COD/NH3/TOC/TOX/NO3+NO2/TKN/T.PHOS, H2SO4 (pH<2); Metals, HNO3 (pH<2); CN (NaOH or NaOH/Asc Acid) (pH>12); Diss. Sulfide, NaOH (pH>12); T. Sulfide, NaOH/ZnAc (pH>12) RSK - MBBPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 3

Client: Galson Laboratories
Client Sample ID: 100608-RS-01
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-001

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.7 Final Pressure (psig): 3.5

Canister Dilution Factor: 1.18

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
115-07-1	Propene	13	5.9	7.8	3.4	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	5.9	ND	1.2	
74-87-3	Chloromethane	ND	5.9	ND	2.9	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	5.9	ND	0.84	
75-01-4	Vinyl Chloride	ND	5.9	ND	2.3	
106-99-0	1,3-Butadiene	ND	5.9	ND	2.7	
74-83-9	Bromomethane	ND	5.9	ND	1.5	
75-00-3	Chloroethane	ND	5.9	ND	2.2	
67-64-1	Acetone	ND	59	ND	25	
75-69-4	Trichlorofluoromethane	ND	5.9	ND	1.1	
67-63-0	2-Propanol (Isopropyl Alcohol)	110	12	43	4.8	
75-35-4	1,1-Dichloroethene	ND	5.9	ND	1.5	
75-09-2	Methylene Chloride	ND	5.9	ND	1.7	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	5.9	ND	1.9	
76-13-1	Trichlorotrifluoroethane	ND	5.9	ND	0.77	
75-15-0	Carbon Disulfide	ND	59	ND	19	
156-60-5	trans-1,2-Dichloroethene	ND	5.9	ND	1.5	
75-34-3	1,1-Dichloroethane	ND	5.9	ND	1.5	
1634-04-4	Methyl tert-Butyl Ether	ND	5.9	ND	1.6	
108-05-4	Vinyl Acetate	ND	59	ND	17	
78-93-3	2-Butanone (MEK)	ND	59	ND	20	

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

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

Verified By: _____ Date: 6/17/10 7

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 3

Client: Galson Laboratories
Client Sample ID: 100608-RS-01
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-001

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.7 Final Pressure (psig): 3.5

Canister Dilution Factor: 1.18

CAS #	Compound	Result		MRL		Data Qualifier
		µg/m³	µg/m³	ppbV	ppbV	
156-59-2	cis-1,2-Dichloroethene	ND	5.9	ND	1.5	
141-78-6	Ethyl Acetate	ND	12	ND	3.3	
110-54-3	n-Hexane	ND	5.9	ND	1.7	
67-66-3	Chloroform	ND	5.9	ND	1.2	
109-99-9	Tetrahydrofuran (THF)	ND	5.9	ND	2.0	
107-06-2	1,2-Dichloroethane	ND	5.9	ND	1.5	
71-55-6	1,1,1-Trichloroethane	ND	5.9	ND	1.1	
71-43-2	Benzene	ND	5.9	ND	1.8	
56-23-5	Carbon Tetrachloride	ND	5.9	ND	0.94	
110-82-7	Cyclohexane	ND	12	ND	3.4	
78-87-5	1,2-Dichloropropane	ND	5.9	ND	1.3	
75-27-4	Bromodichloromethane	ND	5.9	ND	0.88	
79-01-6	Trichloroethene	ND	5.9	ND	1.1	
123-91-1	1,4-Dioxane	ND	5.9	ND	1.6	
540-84-1	2,2,4-Trimethylpentane (Isooctane)	ND	5.9	ND	1.3	
142-82-5	n-Heptane	ND	5.9	ND	1.4	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	ND	1.3	
108-10-1	4-Methyl-2-pentanone	8.4	5.9	2.1	1.4	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	ND	1.3	
79-00-5	1,1,2-Trichloroethane	ND	5.9	ND	1.1	

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

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

Verified By: _____ Date: 6/17/10

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 3 of 3

Client: Galson Laboratories
Client Sample ID: 100608-RS-01
Client Project ID: L216385

CAS Project ID: P1002064
 CAS Sample ID: P1002064-001

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.7 Final Pressure (psig): 3.5

Canister Dilution Factor: 1.18

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
108-88-3	Toluene	ND	5.9	ND	1.6	
591-78-6	2-Hexanone	ND	5.9	ND	1.4	
124-48-1	Dibromochloromethane	ND	5.9	ND	0.69	
106-93-4	1,2-Dibromoethane	ND	5.9	ND	0.77	
127-18-4	Tetrachloroethene	ND	5.9	ND	0.87	
108-90-7	Chlorobenzene	ND	5.9	ND	1.3	
100-41-4	Ethylbenzene	ND	5.9	ND	1.4	
179601-23-1	m,p-Xylenes	ND	12	ND	2.7	
75-25-2	Bromoform	ND	5.9	ND	0.57	
100-42-5	Styrene	ND	5.9	ND	1.4	
95-47-6	o-Xylene	ND	5.9	ND	1.4	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	ND	0.86	
622-96-8	4-Ethyltoluene	ND	5.9	ND	1.2	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	ND	1.2	
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	ND	1.2	
100-44-7	Benzyl Chloride	ND	5.9	ND	1.1	
541-73-1	1,3-Dichlorobenzene	ND	5.9	ND	0.98	
106-46-7	1,4-Dichlorobenzene	ND	5.9	ND	0.98	
95-50-1	1,2-Dichlorobenzene	ND	5.9	ND	0.98	
593-60-2	Vinyl Bromide	ND	5.9	ND	1.3	

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

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

Verified By: _____

Date: 6/17/10

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 3

Client: Galson Laboratories
Client Sample ID: 100608-RS-02
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.7 Final Pressure (psig): 3.6

Canister Dilution Factor: 1.19

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	14	6.0	8.1	3.5	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	6.0	ND	1.2	
74-87-3	Chloromethane	ND	6.0	ND	2.9	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	6.0	ND	0.85	
75-01-4	Vinyl Chloride	ND	6.0	ND	2.3	
106-99-0	1,3-Butadiene	ND	6.0	ND	2.7	
74-83-9	Bromomethane	ND	6.0	ND	1.5	
75-00-3	Chloroethane	ND	6.0	ND	2.3	
67-64-1	Acetone	ND	60	ND	25	
75-69-4	Trichlorofluoromethane	ND	6.0	ND	1.1	
67-63-0	2-Propanol (Isopropyl Alcohol)	93	12	38	4.8	
75-35-4	1,1-Dichloroethene	ND	6.0	ND	1.5	
75-09-2	Methylene Chloride	ND	6.0	ND	1.7	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	6.0	ND	1.9	
76-13-1	Trichlorotrifluoroethane	ND	6.0	ND	0.78	
75-15-0	Carbon Disulfide	ND	60	ND	19	
156-60-5	trans-1,2-Dichloroethene	ND	6.0	ND	1.5	
75-34-3	1,1-Dichloroethane	ND	6.0	ND	1.5	
1634-04-4	Methyl tert-Butyl Ether	ND	6.0	ND	1.7	
108-05-4	Vinyl Acetate	ND	60	ND	17	
78-93-3	2-Butanone (MEK)	ND	60	ND	20	

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

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

Verified By: _____ Date: 6/17/10 **10**

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: 100608-RS-02
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.7 Final Pressure (psig): 3.6

Canister Dilution Factor: 1.19

CAS #	Compound	Result		MRL		Data Qualifier
		µg/m³	µg/m³	ppbV	ppbV	
156-59-2	cis-1,2-Dichloroethene	ND	6.0	ND	1.5	
141-78-6	Ethyl Acetate	ND	12	ND	3.3	
110-54-3	n-Hexane	ND	6.0	ND	1.7	
67-66-3	Chloroform	ND	6.0	ND	1.2	
109-99-9	Tetrahydrofuran (THF)	ND	6.0	ND	2.0	
107-06-2	1,2-Dichloroethane	ND	6.0	ND	1.5	
71-55-6	1,1,1-Trichloroethane	ND	6.0	ND	1.1	
71-43-2	Benzene	ND	6.0	ND	1.9	
56-23-5	Carbon Tetrachloride	ND	6.0	ND	0.95	
110-82-7	Cyclohexane	ND	12	ND	3.5	
78-87-5	1,2-Dichloropropane	ND	6.0	ND	1.3	
75-27-4	Bromodichloromethane	ND	6.0	ND	0.89	
79-01-6	Trichloroethene	ND	6.0	ND	1.1	
123-91-1	1,4-Dioxane	ND	6.0	ND	1.7	
540-84-1	2,2,4-Trimethylpentane (Isooctane)	ND	6.0	ND	1.3	
142-82-5	n-Heptane	ND	6.0	ND	1.5	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	ND	1.3	
108-10-1	4-Methyl-2-pentanone	9.0	6.0	2.2	1.5	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	ND	1.3	
79-00-5	1,1,2-Trichloroethane	ND	6.0	ND	1.1	

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

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

Verified By: _____ Date: 6/17/10

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: 100608-RS-02
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.7 **Final Pressure (psig):** 3.6

Canister Dilution Factor: 1.19

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
108-88-3	Toluene	ND	6.0	ND	1.6	
591-78-6	2-Hexanone	ND	6.0	ND	1.5	
124-48-1	Dibromochloromethane	ND	6.0	ND	0.70	
106-93-4	1,2-Dibromoethane	ND	6.0	ND	0.77	
127-18-4	Tetrachloroethene	ND	6.0	ND	0.88	
108-90-7	Chlorobenzene	ND	6.0	ND	1.3	
100-41-4	Ethylbenzene	ND	6.0	ND	1.4	
179601-23-1	m,p-Xylenes	ND	12	ND	2.7	
75-25-2	Bromoform	ND	6.0	ND	0.58	
100-42-5	Styrene	ND	6.0	ND	1.4	
95-47-6	o-Xylene	ND	6.0	ND	1.4	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	ND	0.87	
622-96-8	4-Ethyltoluene	ND	6.0	ND	1.2	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	ND	1.2	
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	ND	1.2	
100-44-7	Benzyl Chloride	ND	6.0	ND	1.1	
541-73-1	1,3-Dichlorobenzene	ND	6.0	ND	0.99	
106-46-7	1,4-Dichlorobenzene	ND	6.0	ND	0.99	
95-50-1	1,2-Dichlorobenzene	ND	6.0	ND	0.99	
593-60-2	Vinyl Bromide	ND	6.0	ND	1.4	

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

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

Verified By: _____ Date: 6/17/10 **12**

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: 100608-RS-03
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-003

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/17/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.7 Final Pressure (psig): 3.5
 Initial Pressure 2 (psig): 0.0 Final Pressure 2 (psig): 3.5

Canister Dilution Factor: 1.46

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	12	7.3	7.0	4.2	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	7.3	ND	1.5	
74-87-3	Chloromethane	ND	7.3	ND	3.5	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	7.3	ND	1.0	
75-01-4	Vinyl Chloride	ND	7.3	ND	2.9	
106-99-0	1,3-Butadiene	ND	7.3	ND	3.3	
74-83-9	Bromomethane	ND	7.3	ND	1.9	
75-00-3	Chloroethane	ND	7.3	ND	2.8	
67-64-1	Acetone	ND	73	ND	31	
75-69-4	Trichlorofluoromethane	ND	7.3	ND	1.3	
67-63-0	2-Propanol (Isopropyl Alcohol)	93	15	38	5.9	
75-35-4	1,1-Dichloroethene	ND	7.3	ND	1.8	
75-09-2	Methylene Chloride	ND	7.3	ND	2.1	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	7.3	ND	2.3	
76-13-1	Trichlorotrifluoroethane	ND	7.3	ND	0.95	
75-15-0	Carbon Disulfide	ND	73	ND	23	
156-60-5	trans-1,2-Dichloroethene	ND	7.3	ND	1.8	
75-34-3	1,1-Dichloroethane	ND	7.3	ND	1.8	
1634-04-4	Methyl tert-Butyl Ether	ND	7.3	ND	2.0	
108-05-4	Vinyl Acetate	ND	73	ND	21	
78-93-3	2-Butanone (MEK)	ND	73	ND	25	

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

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

Verified By: _____

Date: 6/17/10

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: 100608-RS-03
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-003

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/17/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.7 Final Pressure (psig): 3.5
 Initial Pressure 2 (psig): 0.0 Final Pressure 2 (psig): 3.5

Canister Dilution Factor: 1.46

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	7.3	ND	1.8	
141-78-6	Ethyl Acetate	ND	15	ND	4.1	
110-54-3	n-Hexane	ND	7.3	ND	2.1	
67-66-3	Chloroform	ND	7.3	ND	1.5	
109-99-9	Tetrahydrofuran (THF)	ND	7.3	ND	2.5	
107-06-2	1,2-Dichloroethane	ND	7.3	ND	1.8	
71-55-6	1,1,1-Trichloroethane	ND	7.3	ND	1.3	
71-43-2	Benzene	ND	7.3	ND	2.3	
56-23-5	Carbon Tetrachloride	ND	7.3	ND	1.2	
110-82-7	Cyclohexane	ND	15	ND	4.2	
78-87-5	1,2-Dichloropropane	ND	7.3	ND	1.6	
75-27-4	Bromodichloromethane	ND	7.3	ND	1.1	
79-01-6	Trichloroethene	ND	7.3	ND	1.4	
123-91-1	1,4-Dioxane	ND	7.3	ND	2.0	
540-84-1	2,2,4-Trimethylpentane (Isooctane)	ND	7.3	ND	1.6	
142-82-5	n-Heptane	ND	7.3	ND	1.8	
10061-01-5	cis-1,3-Dichloropropene	ND	7.3	ND	1.6	
108-10-1	4-Methyl-2-pentanone	12	7.3	2.8	1.8	
10061-02-6	trans-1,3-Dichloropropene	ND	7.3	ND	1.6	
79-00-5	1,1,2-Trichloroethane	ND	7.3	ND	1.3	

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

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

Verified By: _____ Date: 6/17/10 **14**

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: 100608-RS-03
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-003

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/17/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.7 Final Pressure (psig): 3.5
 Initial Pressure 2 (psig): 0.0 Final Pressure 2 (psig): 3.5

Canister Dilution Factor: 1.46

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
108-88-3	Toluene	ND	7.3	ND	1.9	
591-78-6	2-Hexanone	ND	7.3	ND	1.8	
124-48-1	Dibromochloromethane	ND	7.3	ND	0.86	
106-93-4	1,2-Dibromoethane	ND	7.3	ND	0.95	
127-18-4	Tetrachloroethene	ND	7.3	ND	1.1	
108-90-7	Chlorobenzene	ND	7.3	ND	1.6	
100-41-4	Ethylbenzene	ND	7.3	ND	1.7	
179601-23-1	m,p-Xylenes	ND	15	ND	3.4	
75-25-2	Bromoform	ND	7.3	ND	0.71	
100-42-5	Styrene	ND	7.3	ND	1.7	
95-47-6	o-Xylene	ND	7.3	ND	1.7	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.3	ND	1.1	
622-96-8	4-Ethyltoluene	ND	7.3	ND	1.5	
108-67-8	1,3,5-Trimethylbenzene	ND	7.3	ND	1.5	
95-63-6	1,2,4-Trimethylbenzene	ND	7.3	ND	1.5	
100-44-7	Benzyl Chloride	ND	7.3	ND	1.4	
541-73-1	1,3-Dichlorobenzene	ND	7.3	ND	1.2	
106-46-7	1,4-Dichlorobenzene	ND	7.3	ND	1.2	
95-50-1	1,2-Dichlorobenzene	ND	7.3	ND	1.2	
593-60-2	Vinyl Bromide	ND	7.3	ND	1.7	

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

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

Verified By: _____

Date: 6/17/10

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: 100608-RS-04
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-004

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.5 Final Pressure (psig): 3.5

Canister Dilution Factor: 1.20

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	11	6.0	6.2	3.5	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	6.0	ND	1.2	
74-87-3	Chloromethane	ND	6.0	ND	2.9	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	6.0	ND	0.86	
75-01-4	Vinyl Chloride	ND	6.0	ND	2.3	
106-99-0	1,3-Butadiene	ND	6.0	ND	2.7	
74-83-9	Bromomethane	ND	6.0	ND	1.5	
75-00-3	Chloroethane	ND	6.0	ND	2.3	
67-64-1	Acetone	ND	60	ND	25	
75-69-4	Trichlorofluoromethane	ND	6.0	ND	1.1	
67-63-0	2-Propanol (Isopropyl Alcohol)	85	12	35	4.9	
75-35-4	1,1-Dichloroethene	ND	6.0	ND	1.5	
75-09-2	Methylene Chloride	ND	6.0	ND	1.7	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	6.0	ND	1.9	
76-13-1	Trichlorotrifluoroethane	ND	6.0	ND	0.78	
75-15-0	Carbon Disulfide	ND	60	ND	19	
156-60-5	trans-1,2-Dichloroethene	ND	6.0	ND	1.5	
75-34-3	1,1-Dichloroethane	ND	6.0	ND	1.5	
1634-04-4	Methyl tert-Butyl Ether	ND	6.0	ND	1.7	
108-05-4	Vinyl Acetate	ND	60	ND	17	
78-93-3	2-Butanone (MEK)	ND	60	ND	20	

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

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

Verified By: _____ Date: 6/17/10

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: 100608-RS-04
Client Project ID: L216385

CAS Project ID: P1002064
 CAS Sample ID: P1002064-004

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.5 Final Pressure (psig): 3.5

Canister Dilution Factor: 1.20

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	6.0	ND	1.5	
141-78-6	Ethyl Acetate	ND	12	ND	3.3	
110-54-3	n-Hexane	ND	6.0	ND	1.7	
67-66-3	Chloroform	ND	6.0	ND	1.2	
109-99-9	Tetrahydrofuran (THF)	ND	6.0	ND	2.0	
107-06-2	1,2-Dichloroethane	ND	6.0	ND	1.5	
71-55-6	1,1,1-Trichloroethane	ND	6.0	ND	1.1	
71-43-2	Benzene	ND	6.0	ND	1.9	
56-23-5	Carbon Tetrachloride	ND	6.0	ND	0.95	
110-82-7	Cyclohexane	ND	12	ND	3.5	
78-87-5	1,2-Dichloropropane	ND	6.0	ND	1.3	
75-27-4	Bromodichloromethane	ND	6.0	ND	0.90	
79-01-6	Trichloroethene	ND	6.0	ND	1.1	
123-91-1	1,4-Dioxane	ND	6.0	ND	1.7	
540-84-1	2,2,4-Trimethylpentane (Isooctane)	ND	6.0	ND	1.3	
142-82-5	n-Heptane	ND	6.0	ND	1.5	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	ND	1.3	
108-10-1	4-Methyl-2-pentanone	8.5	6.0	2.1	1.5	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	ND	1.3	
79-00-5	1,1,2-Trichloroethane	ND	6.0	ND	1.1	

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

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

Verified By: _____ Date: 6/17/10 **17**

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: 100608-RS-04
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-004

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.5 **Final Pressure (psig):** 3.5

Canister Dilution Factor: 1.20

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
108-88-3	Toluene	ND	6.0	ND	1.6	
591-78-6	2-Hexanone	ND	6.0	ND	1.5	
124-48-1	Dibromochloromethane	ND	6.0	ND	0.70	
106-93-4	1,2-Dibromoethane	ND	6.0	ND	0.78	
127-18-4	Tetrachloroethene	ND	6.0	ND	0.89	
108-90-7	Chlorobenzene	ND	6.0	ND	1.3	
100-41-4	Ethylbenzene	ND	6.0	ND	1.4	
179601-23-1	m,p-Xylenes	ND	12	ND	2.8	
75-25-2	Bromoform	ND	6.0	ND	0.58	
100-42-5	Styrene	ND	6.0	ND	1.4	
95-47-6	o-Xylene	ND	6.0	ND	1.4	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	ND	0.87	
622-96-8	4-Ethyltoluene	ND	6.0	ND	1.2	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	ND	1.2	
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	ND	1.2	
100-44-7	Benzyl Chloride	ND	6.0	ND	1.2	
541-73-1	1,3-Dichlorobenzene	ND	6.0	ND	1.0	
106-46-7	1,4-Dichlorobenzene	ND	6.0	ND	1.0	
95-50-1	1,2-Dichlorobenzene	ND	6.0	ND	1.0	
593-60-2	Vinyl Bromide	ND	6.0	ND	1.4	

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

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

Verified By: _____

Date: 6/17/10

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: 100608-RS-05
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-005

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.0 Final Pressure (psig): 3.5

Canister Dilution Factor: 1.24

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	26	6.2	15	3.6	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	6.2	ND	1.3	
74-87-3	Chloromethane	ND	6.2	ND	3.0	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	6.2	ND	0.89	
75-01-4	Vinyl Chloride	ND	6.2	ND	2.4	
106-99-0	1,3-Butadiene	ND	6.2	ND	2.8	
74-83-9	Bromomethane	ND	6.2	ND	1.6	
75-00-3	Chloroethane	ND	6.2	ND	2.4	
67-64-1	Acetone	ND	62	ND	26	
75-69-4	Trichlorofluoromethane	ND	6.2	ND	1.1	
67-63-0	2-Propanol (Isopropyl Alcohol)	150	12	62	5.0	
75-35-4	1,1-Dichloroethene	ND	6.2	ND	1.6	
75-09-2	Methylene Chloride	ND	6.2	ND	1.8	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	6.2	ND	2.0	
76-13-1	Trichlorotrifluoroethane	ND	6.2	ND	0.81	
75-15-0	Carbon Disulfide	ND	62	ND	20	
156-60-5	trans-1,2-Dichloroethene	ND	6.2	ND	1.6	
75-34-3	1,1-Dichloroethane	ND	6.2	ND	1.5	
1634-04-4	Methyl tert-Butyl Ether	ND	6.2	ND	1.7	
108-05-4	Vinyl Acetate	ND	62	ND	18	
78-93-3	2-Butanone (MEK)	ND	62	ND	21	

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

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

Verified By: _____ Date: 6/17/10

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: 100608-RS-05
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-005

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.0 Final Pressure (psig): 3.5

Canister Dilution Factor: 1.24

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	6.2	ND	1.6	
141-78-6	Ethyl Acetate	ND	12	ND	3.4	
110-54-3	n-Hexane	ND	6.2	ND	1.8	
67-66-3	Chloroform	ND	6.2	ND	1.3	
109-99-9	Tetrahydrofuran (THF)	ND	6.2	ND	2.1	
107-06-2	1,2-Dichloroethane	ND	6.2	ND	1.5	
71-55-6	1,1,1-Trichloroethane	ND	6.2	ND	1.1	
71-43-2	Benzene	ND	6.2	ND	1.9	
56-23-5	Carbon Tetrachloride	ND	6.2	ND	0.99	
110-82-7	Cyclohexane	ND	12	ND	3.6	
78-87-5	1,2-Dichloropropane	ND	6.2	ND	1.3	
75-27-4	Bromodichloromethane	ND	6.2	ND	0.93	
79-01-6	Trichloroethene	ND	6.2	ND	1.2	
123-91-1	1,4-Dioxane	ND	6.2	ND	1.7	
540-84-1	2,2,4-Trimethylpentane (Isooctane)	ND	6.2	ND	1.3	
142-82-5	n-Heptane	ND	6.2	ND	1.5	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	ND	1.4	
108-10-1	4-Methyl-2-pentanone	ND	6.2	ND	1.5	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	ND	1.4	
79-00-5	1,1,2-Trichloroethane	ND	6.2	ND	1.1	

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

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

Verified By: _____

Date: _____

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: 100608-RS-05
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-005

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.0 **Final Pressure (psig):** 3.5

Canister Dilution Factor: 1.24

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m³	µg/m³	ppbV	ppbV	
108-88-3	Toluene	ND	6.2	ND	1.6	
591-78-6	2-Hexanone	ND	6.2	ND	1.5	
124-48-1	Dibromochloromethane	ND	6.2	ND	0.73	
106-93-4	1,2-Dibromoethane	ND	6.2	ND	0.81	
127-18-4	Tetrachloroethene	ND	6.2	ND	0.91	
108-90-7	Chlorobenzene	ND	6.2	ND	1.3	
100-41-4	Ethylbenzene	ND	6.2	ND	1.4	
179601-23-1	m,p-Xylenes	ND	12	ND	2.9	
75-25-2	Bromoform	ND	6.2	ND	0.60	
100-42-5	Styrene	ND	6.2	ND	1.5	
95-47-6	o-Xylene	ND	6.2	ND	1.4	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	ND	0.90	
622-96-8	4-Ethyltoluene	ND	6.2	ND	1.3	
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	ND	1.3	
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	ND	1.3	
100-44-7	Benzyl Chloride	ND	6.2	ND	1.2	
541-73-1	1,3-Dichlorobenzene	ND	6.2	ND	1.0	
106-46-7	1,4-Dichlorobenzene	ND	6.2	ND	1.0	
95-50-1	1,2-Dichlorobenzene	ND	6.2	ND	1.0	
593-60-2	Vinyl Bromide	ND	6.2	ND	1.4	

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

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

Verified By: _____

Date: _____

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: 100608-RS-06
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-006

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.0 Final Pressure (psig): 3.5

Canister Dilution Factor: 1.24

Table with 7 columns: CAS #, Compound, Result (ug/m3), MRL (ug/m3), Result (ppbV), MRL (ppbV), Data Qualifier. Rows list various compounds like Propene, Dichlorodifluoromethane, Chloromethane, etc., with their respective results and MRL values.

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

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

Verified By: [Signature] Date: 6/17/10 22

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: 100608-RS-06
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-006

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.0 **Final Pressure (psig):** 3.5

Canister Dilution Factor: 1.24

CAS #	Compound	Result	MRL	Result	MRL	Data Qualifier
		µg/m ³	µg/m ³	ppbV	ppbV	
156-59-2	cis-1,2-Dichloroethene	ND	6.2	ND	1.6	
141-78-6	Ethyl Acetate	15	12	4.2	3.4	
110-54-3	n-Hexane	ND	6.2	ND	1.8	
67-66-3	Chloroform	ND	6.2	ND	1.3	
109-99-9	Tetrahydrofuran (THF)	ND	6.2	ND	2.1	
107-06-2	1,2-Dichloroethane	ND	6.2	ND	1.5	
71-55-6	1,1,1-Trichloroethane	ND	6.2	ND	1.1	
71-43-2	Benzene	ND	6.2	ND	1.9	
56-23-5	Carbon Tetrachloride	ND	6.2	ND	0.99	
110-82-7	Cyclohexane	42	12	12	3.6	
78-87-5	1,2-Dichloropropane	ND	6.2	ND	1.3	
75-27-4	Bromodichloromethane	ND	6.2	ND	0.93	
79-01-6	Trichloroethene	8.1	6.2	1.5	1.2	
123-91-1	1,4-Dioxane	ND	6.2	ND	1.7	
540-84-1	2,2,4-Trimethylpentane (Isooctane)	ND	6.2	ND	1.3	
142-82-5	n-Heptane	8.8	6.2	2.1	1.5	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	ND	1.4	
108-10-1	4-Methyl-2-pentanone	ND	6.2	ND	1.5	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	ND	1.4	
79-00-5	1,1,2-Trichloroethane	ND	6.2	ND	1.1	

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

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

Verified By: _____

Date: 6/17/10

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: 100608-RS-06
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-006

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.0 Final Pressure (psig): 3.5

Canister Dilution Factor: 1.24

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
108-88-3	Toluene	220	6.2	58	1.6	
591-78-6	2-Hexanone	ND	6.2	ND	1.5	
124-48-1	Dibromochloromethane	ND	6.2	ND	0.73	
106-93-4	1,2-Dibromoethane	ND	6.2	ND	0.81	
127-18-4	Tetrachloroethene	ND	6.2	ND	0.91	
108-90-7	Chlorobenzene	ND	6.2	ND	1.3	
100-41-4	Ethylbenzene	ND	6.2	ND	1.4	
179601-23-1	m,p-Xylenes	ND	12	ND	2.9	
75-25-2	Bromoform	ND	6.2	ND	0.60	
100-42-5	Styrene	ND	6.2	ND	1.5	
95-47-6	o-Xylene	ND	6.2	ND	1.4	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	ND	0.90	
622-96-8	4-Ethyltoluene	ND	6.2	ND	1.3	
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	ND	1.3	
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	ND	1.3	
100-44-7	Benzyl Chloride	ND	6.2	ND	1.2	
541-73-1	1,3-Dichlorobenzene	ND	6.2	ND	1.0	
106-46-7	1,4-Dichlorobenzene	ND	6.2	ND	1.0	
95-50-1	1,2-Dichlorobenzene	ND	6.2	ND	1.0	
593-60-2	Vinyl Bromide	ND	6.2	ND	1.4	

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

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

Verified By: P Date: 6/17/10 **24**

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
 Client Sample ID: 100608-RS-07
 Client Project ID: L216385

CAS Project ID: P1002064
 CAS Sample ID: P1002064-007

Test Code: EPA TO-15
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
 Analyst: Wida Ang
 Sampling Media: Canister
 Test Notes:

Date Collected: 6/8/10
 Date Received: 6/16/10
 Date Analyzed: 6/16/10
 Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.2 Final Pressure (psig): 3.5

Canister Dilution Factor: 1.22

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	23	6.1	13	3.5	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	6.1	ND	1.2	
74-87-3	Chloromethane	ND	6.1	ND	3.0	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	6.1	ND	0.87	
75-01-4	Vinyl Chloride	ND	6.1	ND	2.4	
106-99-0	1,3-Butadiene	ND	6.1	ND	2.8	
74-83-9	Bromomethane	ND	6.1	ND	1.6	
75-00-3	Chloroethane	ND	6.1	ND	2.3	
67-64-1	Acetone	ND	61	ND	26	
75-69-4	Trichlorofluoromethane	ND	6.1	ND	1.1	
67-63-0	2-Propanol (Isopropyl Alcohol)	120	12	50	5.0	
75-35-4	1,1-Dichloroethene	ND	6.1	ND	1.5	
75-09-2	Methylene Chloride	ND	6.1	ND	1.8	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	6.1	ND	1.9	
76-13-1	Trichlorotrifluoroethane	ND	6.1	ND	0.80	
75-15-0	Carbon Disulfide	ND	61	ND	20	
156-60-5	trans-1,2-Dichloroethene	ND	6.1	ND	1.5	
75-34-3	1,1-Dichloroethane	ND	6.1	ND	1.5	
1634-04-4	Methyl tert-Butyl Ether	ND	6.1	ND	1.7	
108-05-4	Vinyl Acetate	ND	61	ND	17	
78-93-3	2-Butanone (MEK)	ND	61	ND	21	

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

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

Verified By: _____

Date: 6/7/10

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: 100608-RS-07
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-007

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.2 **Final Pressure (psig):** 3.5

Canister Dilution Factor: 1.22

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	6.1	ND	1.5	
141-78-6	Ethyl Acetate	ND	12	ND	3.4	
110-54-3	n-Hexane	ND	6.1	ND	1.7	
67-66-3	Chloroform	ND	6.1	ND	1.2	
109-99-9	Tetrahydrofuran (THF)	ND	6.1	ND	2.1	
107-06-2	1,2-Dichloroethane	ND	6.1	ND	1.5	
71-55-6	1,1,1-Trichloroethane	ND	6.1	ND	1.1	
71-43-2	Benzene	ND	6.1	ND	1.9	
56-23-5	Carbon Tetrachloride	ND	6.1	ND	0.97	
110-82-7	Cyclohexane	ND	12	ND	3.5	
78-87-5	1,2-Dichloropropane	ND	6.1	ND	1.3	
75-27-4	Bromodichloromethane	ND	6.1	ND	0.91	
79-01-6	Trichloroethene	ND	6.1	ND	1.1	
123-91-1	1,4-Dioxane	ND	6.1	ND	1.7	
540-84-1	2,2,4-Trimethylpentane (Isooctane)	ND	6.1	ND	1.3	
142-82-5	n-Heptane	ND	6.1	ND	1.5	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	ND	1.3	
108-10-1	4-Methyl-2-pentanone	ND	6.1	ND	1.5	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	ND	1.3	
79-00-5	1,1,2-Trichloroethane	ND	6.1	ND	1.1	

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

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

Verified By: _____ Date: 6/17/10 **26**

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: 100608-RS-07
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-007

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.2 **Final Pressure (psig):** 3.5

Canister Dilution Factor: 1.22

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
108-88-3	Toluene	ND	6.1	ND	1.6	
591-78-6	2-Hexanone	ND	6.1	ND	1.5	
124-48-1	Dibromochloromethane	ND	6.1	ND	0.72	
106-93-4	1,2-Dibromoethane	ND	6.1	ND	0.79	
127-18-4	Tetrachloroethene	ND	6.1	ND	0.90	
108-90-7	Chlorobenzene	ND	6.1	ND	1.3	
100-41-4	Ethylbenzene	ND	6.1	ND	1.4	
179601-23-1	m,p-Xylenes	ND	12	ND	2.8	
75-25-2	Bromoform	ND	6.1	ND	0.59	
100-42-5	Styrene	ND	6.1	ND	1.4	
95-47-6	o-Xylene	ND	6.1	ND	1.4	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	ND	0.89	
622-96-8	4-Ethyltoluene	ND	6.1	ND	1.2	
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	ND	1.2	
95-63-6	1,2,4-Trimethylbenzene	ND	6.1	ND	1.2	
100-44-7	Benzyl Chloride	ND	6.1	ND	1.2	
541-73-1	1,3-Dichlorobenzene	ND	6.1	ND	1.0	
106-46-7	1,4-Dichlorobenzene	ND	6.1	ND	1.0	
95-50-1	1,2-Dichlorobenzene	ND	6.1	ND	1.0	
593-60-2	Vinyl Bromide	ND	6.1	ND	1.4	

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

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

Verified By: _____

Date: _____

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: Method Blank
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P100616-MB

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 6/16/10
Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result μg/m ³	MRL μg/m ³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	ND	0.50	ND	0.29	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	0.50	ND	0.10	
74-87-3	Chloromethane	ND	0.50	ND	0.24	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.50	ND	0.072	
75-01-4	Vinyl Chloride	ND	0.50	ND	0.20	
106-99-0	1,3-Butadiene	ND	0.50	ND	0.23	
74-83-9	Bromomethane	ND	0.50	ND	0.13	
75-00-3	Chloroethane	ND	0.50	ND	0.19	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	0.50	ND	0.089	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	1.0	ND	0.41	
75-35-4	1,1-Dichloroethene	ND	0.50	ND	0.13	
75-09-2	Methylene Chloride	ND	0.50	ND	0.14	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.50	ND	0.16	
76-13-1	Trichlorotrifluoroethane	ND	0.50	ND	0.065	
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6	
156-60-5	trans-1,2-Dichloroethene	ND	0.50	ND	0.13	
75-34-3	1,1-Dichloroethane	ND	0.50	ND	0.12	
1634-04-4	Methyl tert-Butyl Ether	ND	0.50	ND	0.14	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	5.0	ND	1.7	

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

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

Verified By: P Date: 6/17/10

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: Method Blank
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P100616-MB

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 6/16/10
Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	0.50	ND	0.13	
141-78-6	Ethyl Acetate	ND	1.0	ND	0.28	
110-54-3	n-Hexane	ND	0.50	ND	0.14	
67-66-3	Chloroform	ND	0.50	ND	0.10	
109-99-9	Tetrahydrofuran (THF)	ND	0.50	ND	0.17	
107-06-2	1,2-Dichloroethane	ND	0.50	ND	0.12	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ND	0.092	
71-43-2	Benzene	ND	0.50	ND	0.16	
56-23-5	Carbon Tetrachloride	ND	0.50	ND	0.080	
110-82-7	Cyclohexane	ND	1.0	ND	0.29	
78-87-5	1,2-Dichloropropane	ND	0.50	ND	0.11	
75-27-4	Bromodichloromethane	ND	0.50	ND	0.075	
79-01-6	Trichloroethene	ND	0.50	ND	0.093	
123-91-1	1,4-Dioxane	ND	0.50	ND	0.14	
540-84-1	2,2,4-Trimethylpentane (Isooctane)	ND	0.50	ND	0.11	
142-82-5	n-Heptane	ND	0.50	ND	0.12	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ND	0.11	
108-10-1	4-Methyl-2-pentanone	ND	0.50	ND	0.12	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ND	0.092	

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

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

Verified By: _____ Date: 6/17/10 **29**

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 3

Client: Galson Laboratories
Client Sample ID: Method Blank
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P100617-MB

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 6/17/10
Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	ND	0.50	ND	0.29	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	0.50	ND	0.10	
74-87-3	Chloromethane	ND	0.50	ND	0.24	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.50	ND	0.072	
75-01-4	Vinyl Chloride	ND	0.50	ND	0.20	
106-99-0	1,3-Butadiene	ND	0.50	ND	0.23	
74-83-9	Bromomethane	ND	0.50	ND	0.13	
75-00-3	Chloroethane	ND	0.50	ND	0.19	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	0.50	ND	0.089	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	1.0	ND	0.41	
75-35-4	1,1-Dichloroethene	ND	0.50	ND	0.13	
75-09-2	Methylene Chloride	ND	0.50	ND	0.14	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.50	ND	0.16	
76-13-1	Trichlorotrifluoroethane	ND	0.50	ND	0.065	
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6	
156-60-5	trans-1,2-Dichloroethene	ND	0.50	ND	0.13	
75-34-3	1,1-Dichloroethane	ND	0.50	ND	0.12	
1634-04-4	Methyl tert-Butyl Ether	ND	0.50	ND	0.14	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	5.0	ND	1.7	

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

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

Verified By: _____

Date: _____

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 3

Client: Galson Laboratories
Client Sample ID: Method Blank
Client Project ID: L216385

CAS Project ID: P1002064
 CAS Sample ID: P100617-MB

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 6/17/10
Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	0.50	ND	0.13	
141-78-6	Ethyl Acetate	ND	1.0	ND	0.28	
110-54-3	n-Hexane	ND	0.50	ND	0.14	
67-66-3	Chloroform	ND	0.50	ND	0.10	
109-99-9	Tetrahydrofuran (THF)	ND	0.50	ND	0.17	
107-06-2	1,2-Dichloroethane	ND	0.50	ND	0.12	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ND	0.092	
71-43-2	Benzene	ND	0.50	ND	0.16	
56-23-5	Carbon Tetrachloride	ND	0.50	ND	0.080	
110-82-7	Cyclohexane	ND	1.0	ND	0.29	
78-87-5	1,2-Dichloropropane	ND	0.50	ND	0.11	
75-27-4	Bromodichloromethane	ND	0.50	ND	0.075	
79-01-6	Trichloroethene	ND	0.50	ND	0.093	
123-91-1	1,4-Dioxane	ND	0.50	ND	0.14	
540-84-1	2,2,4-Trimethylpentane (Isooctane)	ND	0.50	ND	0.11	
142-82-5	n-Heptane	ND	0.50	ND	0.12	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ND	0.11	
108-10-1	4-Methyl-2-pentanone	ND	0.50	ND	0.12	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ND	0.092	

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

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

Verified By: _____

Date: _____

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: Galson Laboratories
Client Sample ID: Method Blank
Client Project ID: L216385

CAS Project ID: P1002064
 CAS Sample ID: P100617-MB

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 6/17/10
Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
108-88-3	Toluene	ND	0.50	ND	0.13	
591-78-6	2-Hexanone	ND	0.50	ND	0.12	
124-48-1	Dibromochloromethane	ND	0.50	ND	0.059	
106-93-4	1,2-Dibromoethane	ND	0.50	ND	0.065	
127-18-4	Tetrachloroethene	ND	0.50	ND	0.074	
108-90-7	Chlorobenzene	ND	0.50	ND	0.11	
100-41-4	Ethylbenzene	ND	0.50	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	0.50	ND	0.048	
100-42-5	Styrene	ND	0.50	ND	0.12	
95-47-6	o-Xylene	ND	0.50	ND	0.12	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ND	0.073	
622-96-8	4-Ethyltoluene	ND	0.50	ND	0.10	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ND	0.10	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ND	0.10	
100-44-7	Benzyl Chloride	ND	0.50	ND	0.097	
541-73-1	1,3-Dichlorobenzene	ND	0.50	ND	0.083	
106-46-7	1,4-Dichlorobenzene	ND	0.50	ND	0.083	
95-50-1	1,2-Dichlorobenzene	ND	0.50	ND	0.083	
593-60-2	Vinyl Bromide	ND	0.50	ND	0.11	

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

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

Verified By: _____ Date: 6/17/10

COLUMBIA ANALYTICAL SERVICES, INC.

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 3

Client: Galson Laboratories
Client Sample ID: Lab Control Sample
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P100616-LCS

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 6/16/10
Volume(s) Analyzed: NA Liter(s)

CAS #	Compound	Spike Amount ng	Result ng	% Recovery	CAS	Data Qualifier
					Acceptance Limits	
115-07-1	Propene	26.3	27.8	106	58-133	
75-71-8	Dichlorodifluoromethane (CFC 12)	26.0	23.2	89	63-114	
74-87-3	Chloromethane	25.0	23.5	94	60-130	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	26.0	23.6	91	63-118	
75-01-4	Vinyl Chloride	25.3	22.9	91	63-123	
106-99-0	1,3-Butadiene	26.8	25.7	96	63-141	
74-83-9	Bromomethane	25.8	24.2	94	67-133	
75-00-3	Chloroethane	25.5	23.2	91	65-122	
67-64-1	Acetone	132	116	88	60-117	
75-69-4	Trichlorofluoromethane	26.3	22.7	86	62-125	
67-63-0	2-Propanol (Isopropyl Alcohol)	48.0	37.7	79	57-125	
75-35-4	1,1-Dichloroethene	27.5	25.2	92	71-121	
75-09-2	Methylene Chloride	26.8	23.1	86	67-109	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	27.0	26.3	97	64-145	
76-13-1	Trichlorotrifluoroethane	27.5	25.1	91	71-124	
75-15-0	Carbon Disulfide	26.0	23.6	91	64-119	
156-60-5	trans-1,2-Dichloroethene	25.5	24.4	96	68-126	
75-34-3	1,1-Dichloroethane	26.5	24.2	91	67-124	
1634-04-4	Methyl tert-Butyl Ether	26.3	24.6	94	67-124	
108-05-4	Vinyl Acetate	126	114	90	50-171	
78-93-3	2-Butanone (MEK)	26.8	25.5	95	69-136	

Verified By: _____

Date: 6/17/10

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COLUMBIA ANALYTICAL SERVICES, INC.

LABORATORY CONTROL SAMPLE SUMMARY

Page 3 of 3

Client: Galson Laboratories
Client Sample ID: Lab Control Sample
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P100616-LCS

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 6/16/10
Volume(s) Analyzed: NA Liter(s)

CAS #	Compound	Spike Amount ng	Result ng	% Recovery	CAS Acceptance Limits	Data Qualifier
108-88-3	Toluene	26.8	25.7	96	66-120	
591-78-6	2-Hexanone	27.0	26.0	96	72-135	
124-48-1	Dibromochloromethane	28.3	29.1	103	79-136	
106-93-4	1,2-Dibromoethane	26.3	26.1	99	76-129	
127-18-4	Tetrachloroethene	25.3	24.8	98	65-132	
108-90-7	Chlorobenzene	26.5	25.7	97	66-122	
100-41-4	Ethylbenzene	26.3	25.9	98	69-122	
179601-23-1	m,p-Xylenes	51.5	50.7	98	69-122	
75-25-2	Bromoform	26.5	26.9	102	73-150	
100-42-5	Styrene	26.3	26.8	102	75-130	
95-47-6	o-Xylene	26.0	25.8	99	69-122	
79-34-5	1,1,2,2-Tetrachloroethane	27.0	27.1	100	80-126	
622-96-8	4-Ethyltoluene	26.3	26.3	100	71-129	
108-67-8	1,3,5-Trimethylbenzene	26.5	26.7	101	71-125	
95-63-6	1,2,4-Trimethylbenzene	25.5	26.1	102	69-132	
100-44-7	Benzyl Chloride	26.8	28.5	106	78-144	
541-73-1	1,3-Dichlorobenzene	26.0	26.2	101	65-132	
106-46-7	1,4-Dichlorobenzene	26.3	25.3	96	66-126	
95-50-1	1,2-Dichlorobenzene	25.8	26.1	101	67-134	

Verified By: _____ Date: 6/17/10 **37**

COLUMBIA ANALYTICAL SERVICES, INC.

LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 3

Client: Galson Laboratories
Client Sample ID: Lab Control Sample
Client Project ID: L216385

CAS Project ID: P1002064
 CAS Sample ID: P100617-LCS

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 6/17/10
Volume(s) Analyzed: NA Liter(s)

CAS #	Compound	Spike Amount ng	Result ng	% Recovery	CAS Acceptance Limits	Data Qualifier
115-07-1	Propene	26.3	26.5	101	58-133	
75-71-8	Dichlorodifluoromethane (CFC 12)	26.0	22.8	88	63-114	
74-87-3	Chloromethane	25.0	22.5	90	60-130	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	26.0	23.3	90	63-118	
75-01-4	Vinyl Chloride	25.3	22.3	88	63-123	
106-99-0	1,3-Butadiene	26.8	25.0	93	63-141	
74-83-9	Bromomethane	25.8	23.7	92	67-133	
75-00-3	Chloroethane	25.5	22.6	89	65-122	
67-64-1	Acetone	132	111	84	60-117	
75-69-4	Trichlorofluoromethane	26.3	22.2	84	62-125	
67-63-0	2-Propanol (Isopropyl Alcohol)	48.0	35.6	74	57-125	
75-35-4	1,1-Dichloroethene	27.5	24.6	89	71-121	
75-09-2	Methylene Chloride	26.8	22.2	83	67-109	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	27.0	24.8	92	64-145	
76-13-1	Trichlorotrifluoroethane	27.5	24.5	89	71-124	
75-15-0	Carbon Disulfide	26.0	23.0	88	64-119	
156-60-5	trans-1,2-Dichloroethene	25.5	23.4	92	68-126	
75-34-3	1,1-Dichloroethane	26.5	23.3	88	67-124	
1634-04-4	Methyl tert-Butyl Ether	26.3	23.5	89	67-124	
108-05-4	Vinyl Acetate	126	108	86	50-171	
78-93-3	2-Butanone (MEK)	26.8	24.5	91	69-136	

Verified By: _____

Date: _____

6/17/10

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COLUMBIA ANALYTICAL SERVICES, INC.

LABORATORY CONTROL SAMPLE SUMMARY

Page 2 of 3

Client: Galson Laboratories
Client Sample ID: Lab Control Sample
Client Project ID: L216385

CAS Project ID: P1002064
 CAS Sample ID: P100617-LCS

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 6/17/10
Volume(s) Analyzed: NA Liter(s)

CAS #	Compound	Spike Amount ng	Result ng	% Recovery	CAS	Data Qualifier
					Acceptance Limits	
156-59-2	cis-1,2-Dichloroethene	27.0	24.1	89	68-123	
141-78-6	Ethyl Acetate	52.0	48.2	93	75-131	
110-54-3	n-Hexane	26.0	23.3	90	63-118	
67-66-3	Chloroform	27.5	23.8	87	66-124	
109-99-9	Tetrahydrofuran (THF)	26.5	23.3	88	66-129	
107-06-2	1,2-Dichloroethane	26.3	23.2	88	64-125	
71-55-6	1,1,1-Trichloroethane	26.0	24.4	94	71-123	
71-43-2	Benzene	25.8	23.4	91	63-112	
56-23-5	Carbon Tetrachloride	26.3	25.5	97	73-129	
110-82-7	Cyclohexane	51.8	48.3	93	68-118	
78-87-5	1,2-Dichloropropane	26.0	24.0	92	74-122	
75-27-4	Bromodichloromethane	26.3	25.3	96	75-125	
79-01-6	Trichloroethene	25.8	24.3	94	66-120	
123-91-1	1,4-Dioxane	26.0	23.6	91	75-127	
540-84-1	2,2,4-Trimethylpentane (Isooctane)	25.8	23.5	91	66-120	
142-82-5	n-Heptane	25.8	24.2	94	71-121	
10061-01-5	cis-1,3-Dichloropropene	24.5	24.0	98	77-130	
108-10-1	4-Methyl-2-pentanone	26.8	25.0	93	74-134	
10061-02-6	trans-1,3-Dichloropropene	27.0	26.8	99	78-134	
79-00-5	1,1,2-Trichloroethane	26.0	24.7	95	76-122	

Verified By: _____ Date: 6/17/10 **39**

COLUMBIA ANALYTICAL SERVICES, INC.

LABORATORY CONTROL SAMPLE SUMMARY

Page 3 of 3

Client: Galson Laboratories
Client Sample ID: Lab Control Sample
Client Project ID: L216385

CAS Project ID: P1002064
 CAS Sample ID: P100617-LCS

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: NA
 Date Received: NA
 Date Analyzed: 6/17/10
 Volume(s) Analyzed: NA Liter(s)

CAS #	Compound	Spike Amount ng	Result ng	% Recovery	CAS	Data Qualifier
					Acceptance Limits	
108-88-3	Toluene	26.8	24.9	93	66-120	
591-78-6	2-Hexanone	27.0	24.3	90	72-135	
124-48-1	Dibromochloromethane	28.3	28.2	100	79-136	
106-93-4	1,2-Dibromoethane	26.3	25.4	97	76-129	
127-18-4	Tetrachloroethene	25.3	24.1	95	65-132	
108-90-7	Chlorobenzene	26.5	25.1	95	66-122	
100-41-4	Ethylbenzene	26.3	25.0	95	69-122	
179601-23-1	m,p-Xylenes	51.5	49.0	95	69-122	
75-25-2	Bromoform	26.5	26.2	99	73-150	
100-42-5	Styrene	26.3	26.0	99	75-130	
95-47-6	o-Xylene	26.0	24.9	96	69-122	
79-34-5	1,1,2,2-Tetrachloroethane	27.0	26.3	97	80-126	
622-96-8	4-Ethyltoluene	26.3	25.4	97	71-129	
108-67-8	1,3,5-Trimethylbenzene	26.5	25.8	97	71-125	
95-63-6	1,2,4-Trimethylbenzene	25.5	25.5	100	69-132	
100-44-7	Benzyl Chloride	26.8	27.6	103	78-144	
541-73-1	1,3-Dichlorobenzene	26.0	25.7	99	65-132	
106-46-7	1,4-Dichlorobenzene	26.3	24.9	95	66-126	
95-50-1	1,2-Dichlorobenzene	25.8	25.6	99	67-134	

Verified By: _____

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Date: 6/17/10

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COLUMBIA ANALYTICAL SERVICES, INC.

LABORATORY DUPLICATE SUMMARY RESULTS

Page 1 of 3

Client: Galson Laboratories
Client Sample ID: 100608-RS-03
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-003DUP

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/17/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.7 **Final Pressure (psig):** 3.5
Initial Pressure 2 (psig): 0.0 **Final Pressure 2 (psig):** 3.5

Canister Dilution Factor: 1.46

Compound	Sample Result		Duplicate Sample Result		Average µg/m³	% RPD	RPD Limit	Data Qualifier
	µg/m³	ppbV	µg/m³	ppbV				
Propene	12.1	7.04	12.2	7.09	12.15	0.8	25	
Dichlorodifluoromethane (CFC 12)	ND	ND	ND	ND	-	-	25	
Chloromethane	ND	ND	ND	ND	-	-	25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	ND	ND	ND	-	-	25	
Vinyl Chloride	ND	ND	ND	ND	-	-	25	
1,3-Butadiene	ND	ND	ND	ND	-	-	25	
Bromomethane	ND	ND	ND	ND	-	-	25	
Chloroethane	ND	ND	ND	ND	-	-	25	
Acetone	ND	ND	ND	ND	-	-	25	
Trichlorofluoromethane	ND	ND	ND	ND	-	-	25	
2-Propanol (Isopropyl Alcohol)	93.3	38.0	88.0	35.8	90.65	6	25	
1,1-Dichloroethene	ND	ND	ND	ND	-	-	25	
Methylene Chloride	ND	ND	ND	ND	-	-	25	
3-Chloro-1-propene (Allyl Chloride)	ND	ND	ND	ND	-	-	25	
Trichlorotrifluoroethane	ND	ND	ND	ND	-	-	25	
Carbon Disulfide	ND	ND	ND	ND	-	-	25	
trans-1,2-Dichloroethene	ND	ND	ND	ND	-	-	25	
1,1-Dichloroethane	ND	ND	ND	ND	-	-	25	
Methyl tert-Butyl Ether	ND	ND	ND	ND	-	-	25	
Vinyl Acetate	ND	ND	ND	ND	-	-	25	
2-Butanone (MEK)	ND	ND	ND	ND	-	-	25	

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

Verified By: _____ Date: 6/17/10

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COLUMBIA ANALYTICAL SERVICES, INC.

LABORATORY DUPLICATE SUMMARY RESULTS

Page 2 of 3

Client: Galson Laboratories
Client Sample ID: 100608-RS-03
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-003DUP

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/17/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.7 **Final Pressure (psig):** 3.5
Initial Pressure 2 (psig): 0.0 **Final Pressure 2 (psig):** 3.5

Canister Dilution Factor: 1.46

Compound	Sample Result		Duplicate Sample Result		Average $\mu\text{g}/\text{m}^3$	% RPD	RPD Limit	Data Qualifier
	$\mu\text{g}/\text{m}^3$	ppbV	$\mu\text{g}/\text{m}^3$	ppbV				
cis-1,2-Dichloroethene	ND	ND	ND	ND	-	-	25	
Ethyl Acetate	ND	ND	ND	ND	-	-	25	
n-Hexane	ND	ND	ND	ND	-	-	25	
Chloroform	ND	ND	ND	ND	-	-	25	
Tetrahydrofuran (THF)	ND	ND	ND	ND	-	-	25	
1,2-Dichloroethane	ND	ND	ND	ND	-	-	25	
1,1,1-Trichloroethane	ND	ND	ND	ND	-	-	25	
Benzene	ND	ND	ND	ND	-	-	25	
Carbon Tetrachloride	ND	ND	ND	ND	-	-	25	
Cyclohexane	ND	ND	ND	ND	-	-	25	
1,2-Dichloropropane	ND	ND	ND	ND	-	-	25	
Bromodichloromethane	ND	ND	ND	ND	-	-	25	
Trichloroethene	ND	ND	ND	ND	-	-	25	
1,4-Dioxane	ND	ND	ND	ND	-	-	25	
2,2,4-Trimethylpentane (Isooctane)	ND	ND	ND	ND	-	-	25	
n-Heptane	ND	ND	ND	ND	-	-	25	
cis-1,3-Dichloropropene	ND	ND	ND	ND	-	-	25	
4-Methyl-2-pentanone	11.5	2.81	10.5	2.56	11	9	25	
trans-1,3-Dichloropropene	ND	ND	ND	ND	-	-	25	
1,1,2-Trichloroethane	ND	ND	ND	ND	-	-	25	

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

Verified By: _____

Date: 6/17/10

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COLUMBIA ANALYTICAL SERVICES, INC.

LABORATORY DUPLICATE SUMMARY RESULTS

Page 3 of 3

Client: Galson Laboratories
Client Sample ID: 100608-RS-03
Client Project ID: L216385

CAS Project ID: P1002064
 CAS Sample ID: P1002064-003DUP

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/17/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.7 Final Pressure (psig): 3.5
 Initial Pressure 2 (psig): 0.0 Final Pressure 2 (psig): 3.5

Canister Dilution Factor: 1.46

Compound	Sample Result		Duplicate Sample Result		Average µg/m ³	% RPD	RPD Limit	Data Qualifier
	µg/m ³	ppbV	µg/m ³	ppbV				
Toluene	ND	ND	ND	ND	-	-	25	
2-Hexanone	ND	ND	ND	ND	-	-	25	
Dibromochloromethane	ND	ND	ND	ND	-	-	25	
1,2-Dibromoethane	ND	ND	ND	ND	-	-	25	
Tetrachloroethene	ND	ND	ND	ND	-	-	25	
Chlorobenzene	ND	ND	ND	ND	-	-	25	
Ethylbenzene	ND	ND	ND	ND	-	-	25	
m,p-Xylenes	ND	ND	ND	ND	-	-	25	
Bromoform	ND	ND	ND	ND	-	-	25	
Styrene	ND	ND	ND	ND	-	-	25	
o-Xylene	ND	ND	ND	ND	-	-	25	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	-	-	25	
4-Ethyltoluene	ND	ND	ND	ND	-	-	25	
1,3,5-Trimethylbenzene	ND	ND	ND	ND	-	-	25	
1,2,4-Trimethylbenzene	ND	ND	ND	ND	-	-	25	
Benzyl Chloride	ND	ND	ND	ND	-	-	25	
1,3-Dichlorobenzene	ND	ND	ND	ND	-	-	25	
1,4-Dichlorobenzene	ND	ND	ND	ND	-	-	25	
1,2-Dichlorobenzene	ND	ND	ND	ND	-	-	25	
Vinyl Bromide	ND	ND	ND	ND	-	-	25	

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

Verified By: _____ Date: 6/17/10

COLUMBIA ANALYTICAL SERVICES, INC.

LABORATORY DUPLICATE SUMMARY RESULTS

Page 1 of 3

Client: Galson Laboratories
Client Sample ID: 100608-RS-06
Client Project ID: L216385

CAS Project ID: P1002064
 CAS Sample ID: P1002064-006DUP

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.0

Final Pressure (psig): 3.5

Canister Dilution Factor: 1.24

Compound	Sample Result		Duplicate Sample Result		Average µg/m³	% RPD	RPD Limit	Data Qualifier
	µg/m³	ppbV	µg/m³	ppbV				
Propene	13.2	7.65	12.7	7.36	12.95	4	25	
Dichlorodifluoromethane (CFC 12)	ND	ND	ND	ND	-	-	25	
Chloromethane	ND	ND	ND	ND	-	-	25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	ND	ND	ND	-	-	25	
Vinyl Chloride	ND	ND	ND	ND	-	-	25	
1,3-Butadiene	ND	ND	ND	ND	-	-	25	
Bromomethane	ND	ND	ND	ND	-	-	25	
Chloroethane	ND	ND	ND	ND	-	-	25	
Acetone	ND	ND	ND	ND	-	-	25	
Trichlorofluoromethane	ND	ND	ND	ND	-	-	25	
2-Propanol (Isopropyl Alcohol)	99.7	40.6	95.8	39.0	97.75	4	25	
1,1-Dichloroethene	ND	ND	ND	ND	-	-	25	
Methylene Chloride	45.3	13.0	44.0	12.7	44.65	3	25	
3-Chloro-1-propene (Allyl Chloride)	ND	ND	ND	ND	-	-	25	
Trichlorotrifluoroethane	ND	ND	ND	ND	-	-	25	
Carbon Disulfide	ND	ND	ND	ND	-	-	25	
trans-1,2-Dichloroethene	ND	ND	ND	ND	-	-	25	
1,1-Dichloroethane	ND	ND	ND	ND	-	-	25	
Methyl tert-Butyl Ether	ND	ND	ND	ND	-	-	25	
Vinyl Acetate	ND	ND	ND	ND	-	-	25	
2-Butanone (MEK)	ND	ND	ND	ND	-	-	25	

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

Verified By: _____

Date: _____

6/16/10

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COLUMBIA ANALYTICAL SERVICES, INC.

LABORATORY DUPLICATE SUMMARY RESULTS

Page 2 of 3

Client: Galson Laboratories
Client Sample ID: 100608-RS-06
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-006DUP

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)

Initial Pressure (psig): 0.0

Final Pressure (psig): 3.5

Canister Dilution Factor: 1.24

Compound	Sample Result		Duplicate Sample Result		Average $\mu\text{g}/\text{m}^3$	% RPD	RPD Limit	Data Qualifier
	$\mu\text{g}/\text{m}^3$	ppbV	$\mu\text{g}/\text{m}^3$	ppbV				
cis-1,2-Dichloroethene	ND	ND	ND	ND	-	-	25	
Ethyl Acetate	15.1	4.20	14.6	4.07	14.85	3	25	
n-Hexane	ND	ND	ND	ND	-	-	25	
Chloroform	ND	ND	ND	ND	-	-	25	
Tetrahydrofuran (THF)	ND	ND	ND	ND	-	-	25	
1,2-Dichloroethane	ND	ND	ND	ND	-	-	25	
1,1,1-Trichloroethane	ND	ND	ND	ND	-	-	25	
Benzene	ND	ND	ND	ND	-	-	25	
Carbon Tetrachloride	ND	ND	ND	ND	-	-	25	
Cyclohexane	41.7	12.1	41.2	12.0	41.45	1	25	
1,2-Dichloropropane	ND	ND	ND	ND	-	-	25	
Bromodichloromethane	ND	ND	ND	ND	-	-	25	
Trichloroethene	8.13	1.51	8.28	1.54	8.205	2	25	
1,4-Dioxane	ND	ND	ND	ND	-	-	25	
2,2,4-Trimethylpentane (Isooctane)	ND	ND	ND	ND	-	-	25	
n-Heptane	8.80	2.15	8.73	2.13	8.765	0.8	25	
cis-1,3-Dichloropropene	ND	ND	ND	ND	-	-	25	
4-Methyl-2-pentanone	ND	ND	ND	ND	-	-	25	
trans-1,3-Dichloropropene	ND	ND	ND	ND	-	-	25	
1,1,2-Trichloroethane	ND	ND	ND	ND	-	-	25	

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

Verified By: _____

Date: 6/17/10

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COLUMBIA ANALYTICAL SERVICES, INC.

LABORATORY DUPLICATE SUMMARY RESULTS

Page 3 of 3

Client: Galson Laboratories
Client Sample ID: 100608-RS-06
Client Project ID: L216385

CAS Project ID: P1002064
CAS Sample ID: P1002064-006DUP

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Canister
Test Notes:

Date Collected: 6/8/10
Date Received: 6/16/10
Date Analyzed: 6/16/10
Volume(s) Analyzed: 0.10 Liter(s)


Initial Pressure (psig): 0.0

Final Pressure (psig): 3.5

Canister Dilution Factor: 1.24

Compound	Sample Result		Duplicate Sample Result		Average µg/m³	% RPD	RPD Limit	Data Qualifier
	µg/m³	ppbV	µg/m³	ppbV				
Toluene	220	58.3	223	59.1	221.5	1	25	
2-Hexanone	ND	ND	ND	ND	-	-	25	
Dibromochloromethane	ND	ND	ND	ND	-	-	25	
1,2-Dibromoethane	ND	ND	ND	ND	-	-	25	
Tetrachloroethene	ND	ND	ND	ND	-	-	25	
Chlorobenzene	ND	ND	ND	ND	-	-	25	
Ethylbenzene	ND	ND	ND	ND	-	-	25	
m,p-Xylenes	ND	ND	ND	ND	-	-	25	
Bromoform	ND	ND	ND	ND	-	-	25	
Styrene	ND	ND	ND	ND	-	-	25	
o-Xylene	ND	ND	ND	ND	-	-	25	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	-	-	25	
4-Ethyltoluene	ND	ND	ND	ND	-	-	25	
1,3,5-Trimethylbenzene	ND	ND	ND	ND	-	-	25	
1,2,4-Trimethylbenzene	ND	ND	ND	ND	-	-	25	
Benzyl Chloride	ND	ND	ND	ND	-	-	25	
1,3-Dichlorobenzene	ND	ND	ND	ND	-	-	25	
1,4-Dichlorobenzene	ND	ND	ND	ND	-	-	25	
1,2-Dichlorobenzene	ND	ND	ND	ND	-	-	25	
Vinyl Bromide	ND	ND	ND	ND	-	-	25	

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

Verified By: 

Date: 6/17/10



3601 Kirkville Rd
 East Syracuse, NY 13057
 Tel: (315) 432-5227
 888-432-LABS (5227)
 Fax: (315) 437-0571
 www.galsonlabs.com

Check if change of address

New Client? yes no

Report To: Rene Salazar
Salazar Consulting Group, Inc.
6607 Heather Court
Tampa, Florida 33617
 Phone No.: (813) 748-6634
 Fax No.: (813) 988-7486

Invoice To: SALSB
 Phone No.:
 Fax No.:

Site Name: BCSB Croissant Park ES
 Sampled By: R. Salazar

Samples submitted using the FreePumpLoan™ Program.
 Samples submitted using the FreeSamplingBadges™ Program.

Client Account No.:
 Purchase Order No.:
 Credit Card No.:
 Card Holder Name:
 Exp.:

Site Name: R. Salazar
 Email: rsalazar@salazarconsultinggroup.com
 Fax Results To:
 Email Address: rsalazar@salazarconsultinggroup.com
 Fax No.:

Need Results By:	(surcharge)	Sample Identification	Date Sampled	Collection Medium	*Air Volume (Liters)	Passive Monitors (Min)	Analysis Requested	Method Reference	Specific DL Needed
5 Business Days	0%	WA608-PS-01	6/8/10	Hi-Con			VOC Profile - 61 compound		
4 Business Days	35%	WA614-D2							
3 Business Days	50%	WA605-D4							
2 Business Days	75%	WA619-D5							
Next Day by 6pm	100%	WA618-06							
Next Day by Noon	150%	WA608-07							
Same day	200%								

Report Reference: 1 Generated: 18 JUN 2010 16:00

Chain of Custody: 7-CMS

Comments:
 We normally add a laboratory blank for each analyte. We will charge you for this at our normal rate. If you agree please check "Yes" otherwise check "No".
 Description of industry or process / interference's present in sampling area: Non-Industrial environmental

*Rec'd 6/23/10,
RAG*



EnHealth
Environmental, Inc.

Radon Screening Test

Crossant Park Elementary School, Ft. Lauderdale, FL

Salazar Consulting Group, Inc.
6607 Heatherton Court
Tampa, FL 33617
Attn: Rene R. Salazar, Ph.D., CIH

Prepared By:

EnHealth Environmental, Inc.
8064 NW 124 Terrace
Parkland, Florida 33076

June 18, 2010

Environmental & Industrial Hygiene Services

8064 NW 124 Terrace, Parkland, Florida 33076 Telephone/Fax (954) 522-5040

www.enhealthenvironmental.com



April 26, 2010

Salazar Consulting Group, Inc.
6607 Heatherton Court
Tampa, FL 33617

Attn: Rene R. Salazar, Ph.D., CIH

Reference: Radon Screening Test
Pembroke Pines Elementary School
6700 SW 9th Street
Pembroke Pines, Florida 33323
EHE Project No. 10-010

Dear Dr. Salazar:

Enclosed is the final report for the above referenced project.

If you have any questions concerning this project or need further assistance, please feel free to contact me at your convenience.

Sincerely yours,

EnHealth Environmental, Inc.

A handwritten signature in black ink, appearing to read 'James S. Litrides', is written over a faint circular stamp or watermark.

James S. Litrides, MS, CIH
Radon Measurement Specialist #R1145
Radon Measurement Business #RB1197

JSL/j

Environmental & Industrial Hygiene Services

8064 NW 124 Terrace, Parkland, Florida 33076 Telephone/Fax (954) 522-5040

www.enhealthenvironmental.com

Introduction

Radon is a radioactive gas which occurs in nature from the radioactive decay of uranium. It is invisible, odorless, and tasteless and can be found in high concentrations in soils and rocks containing uranium, granite, shale, phosphate, and pitchblende. Radon may also be found in soils contaminated with certain types of industrial wastes, such as the byproducts from uranium or phosphate mining.

Radon has always been present in the air. Concern over elevated indoor concentrations first arose in the late 1960's when homes in the West were built with materials contaminated by waste from uranium mines. Since then, cases of high indoor radon levels resulting from industrial activities have been found in many parts of the country. It has only been recently realized that buildings in various parts of the U.S. may have high indoor radon levels caused by natural deposits of uranium in the soil on which the buildings were built.

In outdoor air radon is diluted to such low concentrations that it is only considered a minimal health hazard, however, once inside an enclosed space radon gas can accumulate to high levels. Indoor radon gas levels depend both on a building's construction and the concentration of radon in the underlying soil. Radon in normal soil averages greater than 100 picocuries per liter (pCi/l). Levels greater than 500 pCi/l in the soil can begin to contribute significantly to indoor radon levels.

Radon gas can move through small spaces in the soil and rock on which a building is built. It is possible for radon to seep into a building through dirt floors, cracks in concrete floors and walls, floor drains, sumps, joints, and tiny cracks or pores in hollow-block walls.

Radon can also enter water within private wells and be released into a building when the water is used. Usually, radon is not a problem with large community water supplies, where it is likely to be released into the outside air before the water reaches the buildings.

In some unusual situations, radon may be released from the materials used in the construction of a building. For example, this may be a problem if a building has a large stone fireplace or has a solar heating system in which heat is stored in large beds of stone. In general, however, building materials are not a major source of indoor radon.

Potential Health Effects of Radon Gas

The only known health effect associated with exposure to elevated levels of radon is an increased risk of developing lung cancer. Not everyone exposed to elevated levels of radon will develop lung cancer, and the time between exposure and the onset of the disease may be many years.

Scientists estimate that approximately 5,000 to about 20,000 lung cancer deaths a year in the United States may be attributed to radon. The risk of developing lung cancer from exposure to radon depends upon the concentration of radon and the length of time exposed. Exposure to a slightly elevated radon level for an extended period of time may present a greater risk of developing lung cancer than exposure to a significantly elevated level for a short time. In general, the risk increases as the level of radon and the length of exposure increase.

As with other pollutants, there is some uncertainty over the level associated with exposure to radon and health risk. Radon risk estimates are based on scientific studies of miners exposed to varying levels of radon in their work underground. Consequently, scientists are considerably more certain of the risk estimates for radon than they are of those risk estimates which rely solely on studies of animals.

To account for the uncertainty in the risk estimates for radon, scientists generally express the risks associated with exposure to a particular level as a range of numbers. Despite some uncertainty in the risk estimates for radon, it is widely believed that the greater the exposure to radon, the greater the risk of developing lung cancer.

Radon naturally breaks down and forms radioactive decay products. As air is breathed, the radon decay products can become trapped in the lungs. As these decay products break down further, they release small bursts of energy which can damage lung tissue and lead to lung cancer.

Another way to assess the risk associated with radon exposure is to compare it with the risk from other activities. The following Risk Evaluation Chart presents an idea of how exposure to various radon levels over a lifetime compares to the risk of developing lung cancer from smoking and from common events. The chart also compares these levels to the average indoor and outdoor radon concentrations.

Radon Risk Evaluation Chart

pCi/l	Estimated number of Lung Cancers due to radon exposure (out of 1000)	Comparable risk - Smoker	Comparable risk - Non-Smoker
20	8-135	~100 times risk of drowning	the risk of being killed in a violent crime
10	4-71	~100 times risk of dying in a home fire	
8	3-57	10 times the risk of dying in an airplane crash	
4	2-29	100 times the risk of dying in an airplane crash	the risk of drowning
2	1-15	2 times the risk of dying in a car crash	the risk of dying in a home fire
1.3	<1-9	Average indoor level	Average indoor level
0.4	<1-3	Average outdoor level	Average outdoor level

Measurement Procedure

The Environmental Protection Agency currently has several approved testing protocols for testing radon gas, including both active and passive techniques. Passive methods include activated charcoal adsorbers, alpha track detectors, and passive environmental radiation monitors (PERM/E-PERM). Active methods include continuous radon/working-level monitors, radon progeny integrating sampling units, and grab samplings - radon/progeny.

The sampling method utilized for this test was the passive activated charcoal (AC) adsorber. The radon detector is a 3" open-face EPA Type AC canister manufactured by Radiation Data Inc. in Rocky Hill, New Jersey. The activated charcoal adsorber is a container filled with a measured amount of activated charcoal which adsorbes radon gas. The canister is perforated to allow radon gas in, screened or filtered to hold in charcoal and keep out radon progeny. The canisters are installed for a relatively short time frame, usually between two to three days. The main advantage with the activated charcoal adsorber is it's low cost with relatively precise results. Analysis consists of counting the gamma radiation emission rate from the radon decay products resulting from the radon adsorbed on the charcoal. Analysis was performed by Radiation Data Inc., P.O. Box 900, Rocky Hill, NJ, 08553. The National Environmental Health Association (NEHA) ID Number for Radiation Data Inc. is ID No. 101189.

The activated charcoal adsorber method is the initial test in the two-step measurement strategy recommended by the EPA for assessing radon levels in buildings. This first step is a screening measurement, made to quickly and inexpensively determine whether a building has the potential for causing high exposures to its occupants. There are two possible outcomes from a screening measurement: (1) if the result is greater than the screening level, additional follow-up measurements are recommended as the second step to both estimate the health risk to the occupants and assess the urgency for remedial action; and (2) if the result is less than the screening level, follow-up measurements are probably not needed. EPA recommends that if the screening measurement result is above 4 pCi/l, follow-up measurements should be taken.

Screening measurements should be made under conditions that maximize the probability of finding elevated radon concentrations. Screening measurements should be made in the lowest livable area of the building that the occupants now use or could adapt for use as a functional area. Furthermore, screening measurements should be made under closed-building conditions when the doors and windows of the building are kept closed as much as practical and the use of ventilation systems mixing indoor and outdoor air is minimized. Both these conditions will help to ensure that short-term measurements are made during the time of highest and most stable radon concentration and will also increase the reproducibility of the measurements.

All measurement devices were placed and retrieved by a Florida certified individual, James S. Litrides, Certification No. R1145, who is employed by EnHealth Environmental, Inc., Florida Business Certification No. RB1197.

Interpretation of Initial Radon Measurement Results

In most cases, the screening measurement is not a reliable measure of the average radon level to which occupants are exposed. Since radon levels can vary from season to season as well as from room to room, the screening measurement only serves to indicate the potential for a radon problem. Depending upon the result of the screening measurement, follow-up measurements may be required to be performed in order to more accurately determine the average radon level in the building.

If the initial measurement result is less than 4 pCi/l, follow-up measurements are probably not required. There is a relatively low probability that mitigation is warranted if the result is less than 4 pCi/l (EPA 400-R-92-011; U.S. EPA 1992g). Even if the measurement result is less than 4 pCi/l, however, the building owner may want to test again sometime in the future. If the occupancy patterns change or renovations are made to the building, a new test should be conducted in accordance with EPA protocols.

Results and Discussion

The results of the screening measurements serve only to indicate the potential for a radon problem. The measured concentration does not necessarily represent actual risk to radon as risk depends upon the amount of time exposed and the concentration. There are other factors which should be considered when determining risk. Smoking may increase the risk of exposure to radon and significantly increases the overall risk of lung cancer. Children could be more at risk than adults as evidenced to their greater sensitivity to other types of radiation exposure. Estimates of risk given in this report are generally based upon the exposure if 75 percent of a person's time is spent in the building over a period of roughly 70 years. Actual time spent in the building may change the risk estimates significantly. Finally, the location of the test is usually in the lowest level of livable space and the concentration obtained does not represent the average concentration of radon throughout the entire occupied space.

This report presents the analysis of the Activated Charcoal Canister of the radon-222 concentration in the air only at the time of sampling. The samples were taken in the first floor habitable spaces as directed by the client at the Croissant Park Elementary School located at 1800 SW 4th Avenue in Ft. Lauderdale, Florida. The sampling periods were 2 days on June 8, 2010 through June 10, 2010. The results of the passive activated charcoal absorber tests are presented in Table 1. As shown in Table 1, none sample results were greater than the "action level" of 4 pCi/l.

This is a screening measurement result. You should not initiate costly changes or repairs based solely upon this measurement. If the high radon levels are high, we recommend you make additional longer-term measurements.

Conclusion

Based upon the screening measurement results obtained at the Croissant Park Elementary School located at 1800 SW 4th Avenue in Ft. Lauderdale, Florida, during the sampling period June 8, 2010 through June 10, 2010, none of the airborne radon concentrations were above the recommended "action level" established by the Environmental Protection Agency.

Table 1

**Radon Monitoring Results
Croissant Park Elementary School
1800 SW 4th Avenue, Ft. Lauderdale, Florida**

<u>Detector Number</u>	<u>Detector Type</u>	<u>Starting Date/Time</u>	<u>Ending Date/Time</u>	<u>Days</u>	<u>Location on 1st Floor</u>	<u>Avg. Radon Conc. (pCi/l)</u>
Building 200						
60083	Act.Char.	06/08/10	06/10/10	2	Room 202	0.5
61088	Act.Char.	06/08/10	06/10/10	2	Room 212	0.8
59540	Act.Char.	06/08/10	06/10/10	2	Room 211	0.9
60125	Act.Char.	06/08/10	06/10/10	2	Room 211 Dup.	0.9

The radon detector is a 3" open-face EPA Type AC canister manufactured by Radiation Data, Inc. All measurement devices were placed and retrieved by a Florida certified individual who is employed by a Florida Radon Business. Analysis was performed by Radiation Data Inc., 403 Skillman Road, Skillman, NJ 08558.

To the best of our knowledge, the test conditions were maintained in accordance with the EPA "closed-house" conditions and no observation of tampering or test deviations were noted.

This notice is provided to you by an organization or individual certified by the Florida Department of Health to perform radon or radon progeny measurements, or radon mitigation services. Any questions, comments, or complaints regarding the persons performing these measurement or mitigation services may be directed to the Florida Department of Health, Bureau of Facility Programs, Radon and Indoor Air Quality, 4052 Bald Cypress Way, Bin #A08, Tallahassee, Florida 32399-1710 (1-800-543-8279).



EnHealth
Environmental, Inc.

APPENDIX A
Analytical Results



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 858-4800 Fax: (856) 786-0327 Email: westmontradonlab@emsl.com

Radon in Air Test Results

Attn: **Jim Litrides**
Enhealth Environmental, Inc.
8064 Northwest 124 Terrace
Parkland, FL 33076

Customer ID: ENHE50
Customer PO:
Received: 06/14/10 10:00 AM
EMSL Order: 381006202
EMSL Proj:
Analysis Date: 6/14/2010

Fax: (954) 522-4611 Phone: (954) 522-5040
Project: 10-010/ CROSSANT PARK ELEMENTARY SCHOOL

Test Site: **CROSSANT PARK ELEMENTARY SCHOOL**
BLDG 200
FORT LAUDERDALE, FL 33316

Test Report: Radon in Air Test Results

Samples for EMSL Kit 35306

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
60125	RM 211 DUPLICATE	0.9	6/8/2010 10:47:00 AM	6/10/2010 11:27:00 AM	72	70	Customer

381006202-0001

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 pCi/L. The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0 pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing. The EPA recommends retesting your home every two years.

For Florida Residents: This notice is provided to you by an organization or individual certified by the Florida Department of Health to perform radon or radon progeny measurements or mitigation services. Any questions, comments, or complaints regarding the persons performing these measurement or mitigation services may be directed to the Florida Department of Health, Bureau of Facility Programs, Radon and Indoor Air Quality, 4052 Bald Cypress Way, Bin # A08, Tallahassee, Florida 32399-1710 (1-800-543-8279).

Report Notes

Initial report from 06/17/2010 16:39:13

Analyst(s)

Garrett Ray (1)

Garrett Ray, Laboratory Manager
Certified Radon Measurement Specialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services (hereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder. The test results meets all NELAC requirements unless otherwise specified.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NRSB ARL6006, NJ DEP 04006, MEB 92525, PA 2573, IN 00455, IA L00032, RI RAS-024, ME 20200C, NE RMB-1083, NY ELAP 10872, NM 885-10L, FL RB2034, OH RL-39, WV RL000081

Please visit www.radontestinglab.com

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EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 858-4800 Fax: (856) 788-0327 Email: westmonradonlab@emsl.com

Radon in Air Test Results

Attn: **Jim Litrides**
Enhealth Environmental, Inc.
8064 Northwest 124 Terrace
Parkland, FL 33076

Customer ID: ENHE50
Customer PO:
Received: 06/14/10 10:00 AM
EMSL Order: 381006201

Fax: (954) 522-4611 Phone: (954) 522-5040
Project: 10-010/ CROSSANT PARK ELEMENTARY SCHOOL

EMSL Proj:
Analysis Date: 6/14/2010

Test Site: **CROSSANT PARK ELEMENTARY SCHOOL**
BLDG 200
FORT LAUDERDALE, FL 33316

Test Report: Radon in Air Test Results

Samples for EMSL Kit 34419

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
59540	RM 211	0.9	6/8/2010 10:47:00 AM	6/10/2010 11:27:00 AM	72	70	Customer

381006201-0001

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 pCi/L per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0 pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing. The EPA recommends retesting your home every two years.

For Florida Residents: This notice is provided to you by an organization or individual certified by the Florida Department of Health to perform radon or radon progeny measurements or mitigation services. Any questions, comments, or complaints regarding the persons performing these measurement or mitigation services may be directed to the Florida Department of Health, Bureau of Facility Programs, Radon and Indoor Air Quality, 4052 Bald Cypress Way, Bin # A08, Tallahassee, Florida 32399-1710 (1-800-543-8279).

Report Notes

Initial report from 06/17/2010 16:35:55

Analyst(s)

Garrett Ray (1)

Garrett Ray, Laboratory Manager
Certified Radon Measurement Specialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder. The test results meets all NELAC requirements unless otherwise specified.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NRSB ARL6006, NJ DEP 04006, MEB 92525, PA 2573, IN 00455, IA L00032, RI RAS-024, ME 20200C, NE RMB-1083, NY ELAP 10872, NM 885-10L, FL RB2034, OH RL-39, WV RL000081

Please visit www.radontestinglab.com



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phons: (856) 858-4800 Fax: (856) 786-0327 Email: westmonradonlab@emsl.com

Radon in Air Test Results

Attn: **Jim Litrides**
Enhealth Environmental, Inc.
8064 Northwest 124 Terrace
Parkland, FL 33076

Fax: (954) 522-4611

Phone: (954) 522-5040

Customer ID: ENHE50

Customer PO:

Received: 06/14/10 10:00 AM

EMSL Order: 381006200

EMSL Proj:

Analysis Date: 6/14/2010

Test Site: **CROSSANT PARK ELEMENTARY SCHOOL**
BLDG 200
FORT LAUDERDALE, FL 33316

Test Report: Radon in Air Test Results

Samples for EMSL Kit 35320

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
61088	RM 212	0.8	6/8/2010 10:45:00 AM	6/10/2010 11:25:00 AM	70	70	Customer

381006200-0001

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 pCi/L. The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0 pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing. The EPA recommends retesting your home every two years.

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Report Notes

Initial report from 06/17/2010 16:35:25

Analyst(s)

Garrett Ray (1)

Garrett Ray, Laboratory Manager
Certified Radon Measurement Specialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder. The test results meets all NELAC requirements unless otherwise specified.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NRSB ARL6006, NJ DEP 04006, MEB 92525, PA 2573, IN 00455, IA L00032, RI RAS-024, ME 20200C, NE RMB-1083, NY ELAP 10872, NM 885-10L, FL RB2034, OH RL-39, WV RL000081

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EMSL Analytical, Inc.
 200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 858-4800 Fax: (856) 786-0327 Email: westmonradonlab@emsl.com

Radon in Air Test Results

Attn: **Jim Litrides**
Enhealth Environmental, Inc.
8064 Northwest 124 Terrace
Parkland, FL 33076

Customer ID: ENHE50
 Customer PO:
 Received: 06/14/10 10:00 AM
 EMSL Order: 381006199

Fax: (954) 522-4611 Phone: (954) 522-5040
 Project: 10-010/ CROSSANT PARK ELEMENTARY SCHOOL

EMSL Proj:
 Analysis Date: 6/14/2010

Test Site: **CROSSANT PARK ELEMENTARY SCHOOL**
BLDG 200
FORT LAUDERDALE, FL 33316

Test Report: Radon in Air Test Results

Samples for EMSL Kit 35309

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
60083	RM 202	0.5	6/8/2010 10:42:00 AM	6/10/2010 11:22:00 AM	72	60	Customer

381006199-0001

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 pCi/L of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0 pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

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Report Notes

Initial report from 06/17/2010 16:34:34

Analyst(s)

Garrett Ray (1)

Garrett Ray, Laboratory Manager
 Certified Radon Measurement Specialist NRSB 5SS0093
 NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder. The test results meets all NELAC requirements unless otherwise specified.

Samples analyzed by EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson NJ NRSB ARL6006, NJ DEP 04006, MEB 92525, PA 2573, IN 00455, IA L00032, RI RAS-024, ME 20200C, NE RMB-1083, NY ELAP 10872, NM 885-10L, FL RB2034, OH RL-39, WV RL000081

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EnHealth Environmental, Inc.

Environmental & Industrial Hygiene Services

1409 S.E. 1st Avenue • Ft. Lauderdale, FL 33316

Telephone: (954) 522-5040 • Fax: (954) 522-4611

954-790-8224

ENHISO
5day

M#1

PAGE 1 OF 1

CHAIN OF CUSTODY RECORD

ANALYSIS REQUEST FORM

Project Number/EHE#		Project Name & Address										Client/Contact	
10-010		CROSSANT Park Elementary School										Jim Litrides	
Client Name		Sample Data: (To be completed by client)											
EHE		Radon test - Bldg 200											
Sample Number	Date	Time On	Time Off	Run Time	Start Rate	Stop Rate	Average	Volume	Pump Number	Sample Designations			
60083	6/8/10	10:42	11:22	49k40a	72°F	60%	72°F	35309		Rn 202	6199		
61088		10:45	11:25	49k40a	70°F	70%	70°F	35390		Rn 212	6200		
59540		10:47	11:27	49k40a	72°F	70%	72°F	34419		Rn 211	6201		
60125		10:47	11:27	49k40a	72°F	70%	72°F	35300		Rn 211 duplicate	6202		
Person Responsible for Sample		Transfer Number	Sample Number	Transfer Relinquished by		Date	Time	Accepted by		Date	Time		
S. Litrides		1	4	[Signature]		6/10/10		[Signature]		6/10/10	5:30		
		2											
Remarks:		Type of Sample:			Turn Around:		Lab:						
Radon Test		TEM	PCM	BULK	Pb BULK	WIPE	MICRO-VAC	Pb AIR	EMSL				