Lodrigueza, Luis

From: F. Edward Reynolds <reynolds@reynolds-group.com>
Sent: Monday, September 30, 2013 4:16 PM
To: Lodrigueza, Luis
Cc: Angel Cardoza, Jr.; Alejandro Fuan
Subject: File #94IC29 Fullerton Business Park North, 1551 East Orangethoripe -- Official Indoor Air Sampling Results, Round #1
Attachments: 20130919 Jones Air Sample Results.pdf

File #94IC29 Fullerton Business Park North, 1551 East Orangethoripe -- Official Indoor Air Sampling Results, Round #1

Dear Mr. Lodrigueza,

Thank you for coming to the job site despite your illness to see the start of our sampling and meet with Angel.

Please find attached the air sampling results for the subject Site that I received Friday. We performed the work the night of September 12.

Samples VI-01, VI-02, and VI-03 are OUTDOOR air samples that contained benzene, ethylbenzene, toluene and xylenes (BTEX).

The remaining eight sample (VI-04 thru VI-11) are indoor air samples.

None of the laboratory results contained Tetrachloroethlyene (PCE), Trichloroethene (TCE), or Dichloroethenes (DCE) that were the target compounds in the remediation of subsurface soils. All were non-detect.

The one indoor benezene result from VI-04 exceeds the commercial CHSSL. We feel that al BTEX results can be explained away since there was BTEX above CHSSL's detected outdoors.

The other chemicals detected -- di-chlorobenzenes, 1,,2,4 trichlorobenzene, trimethylbenzenes, and napthalene -- have never been detected in the subsurface throughout our time at the Site. (and, yes they were sampled for). We never saw them in all the testing we performed. We don't see reference CHSSL's for di-chlorbenzenes, 1,2,4 trichlorobenzene, trimethylbenzenes. The napthalene CHSSL's are exceeded but we never saw napthalene in the work we performed. All of the chemicals detected -- especially the napthalene -- are the kinds of chemicals that are used in the types of operations currently performed on site (paint booth/glass).

Here's the question: can we consider these results acceptable in moving our case towards closure, move to the next step -- sampling six months from now , and if the second round is similar (no PCE, TCE, or DCE related compounds like this round) receive the closure letter we have discussed previously? We don't want to write a comprehensive report on this round of sampling if we don't have initial concurrence from you that the findings represent good news with regard to the chemicals of concern in the remediation.

Please advise, or if you prefer, let us come to your office to chat about them.

Thank you so much for all you do. Thank you.

Best Regards,
THE REYNOLDS GROUP,
a California corporation by:

JONES ENVIRONMENTAL LAB

P.O. BOX 5387 | FULLERTON, CA 92838
(714) 449-9937 | FAX (714) 449-9685

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	The Reynolds Group	**Report date:**	9/19/2013
Client Address:	P.O Box 1996 Tustin, CA 92681	**JEL Ref. No.:** **Client Ref. No.:**	ST-7098 7115
Attn:	Angel Cardoza		
		Date Sampled:	9/12/2013
Project:	7115 - Fullerton Park North	**Date Received:**	9/13/2013
Project Address:	1551 E. Orangethorpe Ave. Fullerton, CA	**Date Analyzed:** **Physical State:**	9/18/2013 Indoor Air

EPA TO-15-Volatile Organics by GC/MS in Air/ Summa Canister

Sample ID:	**VI-01**	**VI-02**	**VI-03**	**VI-04**	**VI-05**		
JEL ID:	**ST-7098-01**	**ST-7098-02**	**ST-7098-03**	**ST-7098-04**	**ST-7098-05**	**Practical Quantitation Limit**	**Units**
Analytes:							
Acetone	ND	ND	ND	ND	ND	1.67E-04	µg/L
Acrolein	ND	ND	ND	ND	ND	5.00E-04	µg/L
Benzene	**0.00274**	**0.00288**	**0.00594**	**0.00339**	ND	8.40E-05	µg/L
Benzyl chloride	ND	ND	ND	ND	ND	5.00E-04	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	6.67E-04	µg/L
Bromoform	ND	ND	ND	ND	ND	1.00E-03	µg/L
Bromomethane	ND	ND	ND	ND	ND	3.33E-04	µg/L
1,3-Butadiene	ND	ND	ND	ND	ND	1.67E-04	µg/L
2-Butanone (MEK)	ND	ND	ND	ND	ND	3.33E-04	µg/L
Carbon disulfide	ND	ND	ND	ND	ND	3.33E-04	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	5.79E-05	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	5.00E-04	µg/L
Chloroethane	ND	ND	ND	ND	ND	3.33E-04	µg/L
Chloroform	ND	ND	ND	ND	ND	3.33E-04	µg/L
Chloromethane	ND	ND	ND	ND	ND	1.67E-04	µg/L
Cyclohexane	ND	ND	ND	ND	ND	3.33E-04	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	8.33E-04	µg/L
1,2-Dibromoethane	ND	ND	ND	ND	ND	8.33E-04	µg/L
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	6.67E-04	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	6.67E-04	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	6.67E-04	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	3.33E-04	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.16E-04	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	3.33E-04	µg/L
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	3.33E-04	µg/L
Trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	3.33E-04	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	5.00E-04	µg/L
Cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	5.00E-04	µg/L
Trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	5.00E-04	µg/L
1,4-Dioxane	ND	ND	ND	ND	ND	3.33E-04	µg/L
Ethanol	ND	ND	ND	ND	ND	1.67E-04	µg/L

ND = Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA TO-15-Volatile Organics by GC/MS in Air/ Summa Canister

Sample ID:	VI-01	VI-02	VI-03	VI-04	VI-05		
JEL ID:	ST-7098-01	ST-7098-02	ST-7098-03	ST-7098-04	ST-7098-05	**Practical Quantitation Limit**	**Units**
Analytes:							
Ethyl acetate	ND	ND	ND	ND	ND	3.33E-04	µg/L
Ethyl benzene	ND	ND	**0.0152**	ND	**0.0083**	5.00E-04	µg/L
4-Ethyltoluene	ND	ND	ND	ND	ND	5.00E-04	µg/L
Freon 11	ND	ND	ND	ND	ND	5.00E-04	µg/L
Freon 12	ND	ND	ND	ND	ND	5.00E-04	µg/L
Freon 113	ND	ND	ND	ND	ND	8.33E-04	µg/L
Freon 114	ND	ND	ND	ND	ND	6.67E-04	µg/L
Heptane	ND	ND	ND	ND	ND	3.33E-04	µg/L
Hexachloro-1,3-butadiene	ND	ND	ND	ND	ND	1.00E-03	µg/L
Hexane	ND	ND	ND	ND	ND	3.33E-04	µg/L
2-Hexanone (MBK)	ND	ND	ND	ND	ND	3.33E-04	µg/L
Isopropyl Alcohol	ND	ND	ND	ND	ND	3.33E-04	µg/L
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	ND	ND	3.33E-04	µg/L
Methylene chloride	ND	ND	ND	ND	ND	3.33E-04	µg/L
MTBE	ND	ND	ND	ND	ND	3.33E-04	µg/L
Methylmethacrylate	ND	ND	ND	ND	ND	3.33E-04	µg/L
Naphthalene	ND	ND	ND	**0.1770**	**0.0664**	3.33E-04	µg/L
Propylene	ND	ND	ND	ND	ND	1.67E-04	µg/L
Styrene	ND	ND	ND	ND	ND	5.00E-04	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	6.67E-04	µg/L
Tetrachloroethene	ND	ND	ND	ND	ND	3.33E-04	µg/L
Tetrahydrofuran	ND	ND	ND	ND	ND	3.33E-04	µg/L
Toluene	ND	ND	**0.0368**	**0.0341**	**0.0123**	3.33E-04	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	**0.0043**	ND	5.00E-04	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	5.00E-04	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	5.00E-04	µg/L
Trichloroethene	ND	ND	ND	ND	ND	5.00E-04	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	**0.0073**	ND	5.00E-04	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	5.00E-04	µg/L
Vinyl Acetate	ND	ND	ND	ND	ND	6.67E-04	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	3.11E-04	µg/L
o-Xylene	ND	ND	**0.0049**	ND	**0.0027**	5.00E-04	µg/L
p/m-Xylene	ND	ND	**0.0066**	ND	**0.0021**	5.00E-04	µg/L
Dilution Factor	1	1	1	1	1		
Surrogate Recovery:						**QC Limits**	
4-Bromofluorobenzene	92%	96%	92%	94%	93%	60-140	
	TO-091813-ST-7098	TO-091813-ST-7098	TO-091813-ST-7098	TO-091813-ST-7098	TO-091813-ST-7098		

ND= Not Detected

♦ = Compound was analyzed using modified EPA TO-15 SIM mode to meet Cal EPA 2005 Indoor Air CHHSLs.

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	The Reynolds Group	**Report date:**	9/19/2013
Client Address:	P.O Box 1996	**JEL Ref. No.:**	ST-7098
	Tustin, CA 92681	**Client Ref. No.:**	7115
Attn:	Angel Cardoza		
		Date Sampled:	9/12/2013
Project:	7115 - Fullerton Park North	**Date Received:**	9/13/2013
Project Address:	1551 E. Orangethorpe Ave.	**Date Analyzed:**	9/18/2013
	Fullerton, CA	**Physical State:**	Indoor Air

EPA TO-15-Volatile Organics by GC/MS in Air/ Summa Canister

Sample ID:	**VI-06**	**VI-07**	**VI-08**	**VI-09**	**VI-10**		
JEL ID:	**ST-7098-06**	**ST-7098-07**	**ST-7098-08**	**ST-7098-09**	**ST-7098-10**	**Practical Quantitation Limit**	**Units**
Analytes:							
Acetone	ND	ND	ND	ND	ND	1.67E-04	µg/L
Acrolein	ND	ND	ND	ND	ND	5.00E-04	µg/L
Benzene	ND	ND	ND	ND	ND	8.40E-05	µg/L
Benzyl chloride	ND	ND	ND	ND	ND	5.00E-04	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	6.67E-04	µg/L
Bromoform	ND	ND	ND	ND	ND	1.00E-03	µg/L
Bromomethane	ND	ND	ND	ND	ND	3.33E-04	µg/L
1,3-Butadiene	ND	ND	ND	ND	ND	1.67E-04	µg/L
2-Butanone (MEK)	ND	ND	ND	ND	ND	3.33E-04	µg/L
Carbon disulfide	ND	ND	ND	ND	ND	3.33E-04	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	5.79E-05	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	5.00E-04	µg/L
Chloroethane	ND	ND	ND	ND	ND	3.33E-04	µg/L
Chloroform	ND	ND	ND	ND	ND	3.33E-04	µg/L
Chloromethane	ND	ND	ND	ND	ND	1.67E-04	µg/L
Cyclohexane	ND	ND	ND	ND	ND	3.33E-04	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	8.33E-04	µg/L
1,2-Dibromoethane	ND	ND	ND	ND	ND	8.33E-04	µg/L
1,2-Dichlorobenzene	ND	ND	ND	ND	**0.0154**	6.67E-04	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	**0.0044**	6.67E-04	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	**0.0069**	6.67E-04	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	3.33E-04	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.16E-04	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	3.33E-04	µg/L
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	3.33E-04	µg/L
Trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	3.33E-04	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	5.00E-04	µg/L
Cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	5.00E-04	µg/L
Trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	5.00E-04	µg/L
1,4-Dioxane	ND	ND	ND	ND	ND	3.33E-04	µg/L
Ethanol	ND	ND	ND	ND	ND	1.67E-04	µg/L

ND = Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA TO-15-Volatile Organics by GC/MS in Air/ Summa Cauister

Sample ID:	VI-06	VI-07	VI-08	VI-09	VI-10		
JEL ID:	ST-7098-06	ST-7098-07	ST-7098-08	ST-7098-09	ST-7098-10	Practical Quantitation Limit	Units
Analytes:							
Ethyl acetate	ND	ND	ND	ND	ND	3.33E-04	µg/L
Ethyl benzene	**0.013**	**0.0037**	ND	ND	**0.0317**	5.00E-04	µg/L
4-Ethyltoluene	ND	ND	ND	ND	ND	5.00E-04	µg/L
Freon 11	ND	ND	ND	ND	ND	5.00E-04	µg/L
Freon 12	ND	ND	ND	ND	ND	5.00E-04	µg/L
Freon 113	ND	ND	ND	ND	ND	8.33E-04	µg/L
Freon 114	ND	ND	ND	ND	ND	6.67E-04	µg/L
Heptane	ND	ND	ND	ND	ND	3.33E-04	µg/L
Hexachloro-1,3-butadiene	ND	ND	ND	ND	ND	1.00E-03	µg/L
Hexane	ND	ND	ND	ND	ND	3.33E-04	µg/L
2-Hexanone (MBK)	ND	ND	ND	ND	ND	3.33E-04	µg/L
Isopropyl Alcohol	ND	ND	ND	ND	ND	3.33E-04	µg/L
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	ND	ND	3.33E-04	µg/L
Methylene chloride	ND	ND	ND	ND	ND	3.33E-04	µg/L
MTBE	ND	ND	ND	ND	ND	3.33E-04	µg/L
Methylmethacrylate	ND	ND	ND	ND	ND	3.33E-04	µg/L
Naphthalene	**0.0091**	ND	**0.0019**	ND	**0.0041**	3.33E-04	µg/L
Propylene	ND	ND	ND	ND	ND	1.67E-04	µg/L
Styrene	ND	ND	ND	ND	ND	5.00E-04	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	6.67E-04	µg/L
Tetrachloroethene	ND	ND	ND	ND	ND	3.33E-04	µg/L
Tetrahydrofuran	ND	ND	ND	ND	ND	3.33E-04	µg/L
Toluene	**0.0281**	**0.0235**	**0.0208**	**0.0943**	**0.0897**	3.33E-04	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	5.00E-04	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	5.00E-04	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	5.00E-04	µg/L
Trichloroethene	ND	ND	ND	ND	ND	5.00E-04	µg/L
1,2,4-Trimethylbenzene	**0.0068**	**0.0051**	**0.0042**	**0.0039**	**0.0112**	5.00E-04	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	**0.0066**	5.00E-04	µg/L
Vinyl Acetate	ND	ND	ND	ND	ND	6.67E-04	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	3.11E-04	µg/L
o-Xylene	**0.0032**	ND	**0.0022**	**0.0025**	**0.0064**	5.00E-04	µg/L
p/m-Xylene	**0.0041**	ND	**0.0054**	**0.0064**	**0.0159**	5.00E-04	µg/L
Dilution Factor	1	1	1	1	1		
Surrogate Recovery:						**QC Limits**	
4-Bromofluorobenzene	95%	98%	97%	96%	95%	60-140	
	TO-091813-ST-7098	TO-091813-ST-7098	TO-091813-ST-7098	TO-091813-ST-7098	TO-091813-ST-7098		

ND= Not Detected

♦ = Compound was analyzed using modified EPA TO-15 SIM mode to meet Cal EPA 2005 Indoor Air CHHSLs.

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	The Reynolds Group	**Report date:**	9/19/2013
Client Address:	P.O Box 1996 Tustin, CA 92681	**JEL Ref. No.:** **Client Ref. No.:**	ST-7098 7115
Attn:	Angel Cardoza		
		Date Sampled:	9/12/2013
Project:	7115 - Fullerton Park North	**Date Received:**	9/13/2013
Project Address:	1551 E. Orangethorpe Ave. Fullerton, CA	**Date Analyzed:** **Physical State:**	9/18/2013 Indoor Air

EPA TO-15-Volatile Organics by GC/MS in Air/ Summa Canister

Sample ID: **VI-11**

JEL ID:	**ST-7098-11**	**Practical Quantitation Limit**	**Units**
Analytes:			
Acetone	ND	1.67E-04	µg/L
Acrolein	ND	5.00E-04	µg/L
Benzene	ND	8.40E-05	µg/L
Benzyl chloride	ND	5.00E-04	µg/L
Bromodichloromethane	ND	6.67E-04	µg/L
Bromoform	ND	1.00E-03	µg/L
Bromomethane	ND	3.33E-04	µg/L
1,3-Butadiene	ND	1.67E-04	µg/L
2-Butanone (MEK)	ND	3.33E-04	µg/L
Carbon disulfide	ND	3.33E-04	µg/L
Carbon tetrachloride	ND	5.79E-05	µg/L
Chlorobenzene	ND	5.00E-04	µg/L
Chloroethane	ND	3.33E-04	µg/L
Chloroform	ND	3.33E-04	µg/L
Chloromethane	ND	1.67E-04	µg/L
Cyclohexane	ND	3.33E-04	µg/L
Dibromochloromethane	ND	8.33E-04	µg/L
1,2-Dibromoethane	ND	8.33E-04	µg/L
1,2-Dichlorobenzene	ND	6.67E-04	µg/L
1,3-Dichlorobenzene	ND	6.67E-04	µg/L
1,4-Dichlorobenzene	ND	6.67E-04	µg/L
1,1-Dichloroethane	ND	3.33E-04	µg/L
1,2-Dichloroethane	ND	1.16E-04	µg/L
1,1-Dichloroethene	ND	3.33E-04	µg/L
Cis-1,2-Dichloroethene	ND	3.33E-04	µg/L
Trans-1,2-Dichloroethene	ND	3.33E-04	µg/L
1,2-Dichloropropane	ND	5.00E-04	µg/L
Cis-1,3-Dichloropropene	ND	5.00E-04	µg/L
Trans-1,3-Dichloropropene	ND	5.00E-04	µg/L
1,4-Dioxane	ND	3.33E-04	µg/L
Ethanol	ND	1.67E-04	µg/L

ND = Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA TO-15-Volatile Organics by GC/MS in Air/ Summa Canister

Sample ID:	**VI-11**		
JEL ID:	**ST-7098-11**		
Analytes:		**Practical Quantitation Limit**	**Units**
Ethyl acetate	ND	3.33E-04	µg/L
Ethyl benzene	ND	5.00E-04	µg/L
4-Ethyltoluene	ND	5.00E-04	µg/L
Freon 11	ND	5.00E-04	µg/L
Freon 12	ND	5.00E-04	µg/L
Freon 113	ND	8.33E-04	µg/L
Freon 114	ND	6.67E-04	µg/L
Heptane	ND	3.33E-04	µg/L
Hexachloro-1,3-butadiene	ND	1.00E-03	µg/L
Hexane	ND	3.33E-04	µg/L
2-Hexanone (MBK)	ND	3.33E-04	µg/L
Isopropyl Alcohol	ND	3.33E-04	µg/L
4-Methyl-2-pentanone (MIBK)	ND	3.33E-04	µg/L
Methylene chloride	ND	3.33E-04	µg/L
MTBE	ND	3.33E-04	µg/L
Methylmethacrylate	ND	3.33E-04	µg/L
Naphthalene	**0.3060**	3.33E-04	µg/L
Propylene	ND	1.67E-04	µg/L
Styrene	ND	5.00E-04	µg/L
1,1,2,2-Tetrachloroethane	ND	6.67E-04	µg/L
Tetrachloroethene	ND	3.33E-04	µg/L
Tetrahydrofuran	ND	3.33E-04	µg/L
Toluene	**0.0965**	3.33E-04	µg/L
1,2,4-Trichlorobenzene	ND	5.00E-04	µg/L
1,1,1-Trichloroethane	ND	5.00E-04	µg/L
1,1,2-Trichloroethane	ND	5.00E-04	µg/L
Trichloroethene	ND	5.00E-04	µg/L
1,2,4-Trimethylbenzene	**0.0052**	5.00E-04	µg/L
1,3,5-Trimethylbenzene	ND	5.00E-04	µg/L
Vinyl Acetate	ND	6.67E-04	µg/L
Vinyl chloride	ND	3.11E-04	µg/L
o-Xylene	**0.0023**	5.00E-04	µg/L
p/m-Xylene	**0.0058**	5.00E-04	µg/L
Dilution Factor	1		
Surrogate Recovery:		**QC Limits**	
4-Bromofluorobenzene	95%	60-140	
	TO-091813-ST-7098		

ND= Not Detected

♦ = Compound was analyzed using modified EPA TO-15 SIM mode to meet Cal EPA 2005 Indoor Air CHHSLs.