

**COLUMBIA ANALYTICAL SERVICES, INC.**

Now part of the ALS Group

Analytical Report

Client: ShaleTest  
 Project: [REDACTED] Metering Station  
 Sample Matrix: Air  
 Sample Name: [REDACTED]  
 Lab Code: RQ1207563-01

Service Request: R1203998  
 Date Collected: NA  
 Date Received: NA

Analytical Method: TO-15

Date Analyzed: 6/28/12 0942

CAS #	Analyte Name	Sample Amount mL	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Data Qualifier
74-87-3	Chloromethane	1000	0.45	0.45	U
75-01-4	Vinyl Chloride	1000	0.060	0.060	U
74-83-9	Bromomethane	1000	0.43	0.43	U
75-00-3	Chloroethane	1000	0.58	0.58	U
67-64-1	Acetone	1000	5.0	5.0	U
75-69-4	Trichlorofluoromethane (CFC 11)	1000	0.62	0.62	U
75-35-4	1,1-Dichloroethene	1000	0.44	0.44	U
75-09-2	Methylene Chloride	1000	0.38	0.38	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1000	0.17	0.17	U
75-15-0	Carbon Disulfide	1000	0.34	0.34	U
156-60-5	trans-1,2-Dichloroethene	1000	0.44	0.44	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	1000	0.45	0.45	U
1634-04-4	Methyl tert-Butyl Ether	1000	0.79	0.79	U
108-05-4	Vinyl Acetate	1000	5.0	5.0	U
78-93-3	2-Butanone (MEK)	1000	0.65	0.65	U
156-59-2	cis-1,2-Dichloroethene	1000	0.44	0.44	U
67-66-3	Chloroform	1000	0.54	0.54	U
107-06-2	1,2-Dichloroethane	1000	0.45	0.45	U
71-55-6	1,1,1-Trichloroethane (TCA)	1000	0.60	0.60	U
71-43-2	Benzene	1000	0.35	0.35	U
56-23-5	Carbon Tetrachloride	1000	0.070	0.070	U
78-87-5	1,2-Dichloropropane	1000	0.51	0.51	U
75-27-4	Bromodichloromethane	1000	0.15	0.15	U
79-01-6	Trichloroethene (TCE)	1000	0.060	0.060	U
10061-01-5	cis-1,3-Dichloropropene	1000	1.0	1.0	U
108-10-1	4-Methyl-2-pentanone	1000	0.90	0.90	U
10061-02-6	trans-1,3-Dichloropropene	1000	0.50	0.50	U
79-00-5	1,1,2-Trichloroethane	1000	0.60	0.60	U
108-88-3	Toluene	1000	0.41	0.41	U
591-78-6	2-Hexanone	1000	0.45	0.45	U
124-48-1	Dibromochloromethane	1000	0.19	0.19	U
106-93-4	1,2-Dibromoethane	1000	0.17	0.17	U
127-18-4	Tetrachloroethene (PCE)	1000	0.080	0.080	U
108-90-7	Chlorobenzene	1000	0.51	0.51	U
100-41-4	Ethylbenzene	1000	0.95	0.95	U
179601-23-1	m,p-Xylenes	1000	1.9	1.9	U

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75-25-2	Bromoform	1000	1.1	1.1	U
100-42-5	Styrene	1000	0.94	0.94	U
95-47-6	o-Xylene	1000	0.95	0.95	U
79-34-5	1,1,2,2-Tetrachloroethane	1000	0.15	0.15	U
541-73-1	1,3-Dichlorobenzene	1000	1.3	1.3	U
106-46-7	1,4-Dichlorobenzene	1000	1.3	1.3	U
95-50-1	1,2-Dichlorobenzene	1000	1.3	1.3	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	107	70-130	6/28/12 0942	