

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: R1203998-001

Service Request: R1203998
Date Collected: 6/14/12 1543
Date Received: 6/22/12

Analytical Method: TO-15

Date Analyzed: 6/28/12 1034
Canister Dilution Factor: 1.48

Initial Pressure (psig): -2.41 Final Pressure (psig): 3.50

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Data Qualifier
74-87-3	Chloromethane	1000	1.1	0.67	
75-01-4	Vinyl Chloride	1000	0.089	0.089	U
74-83-9	Bromomethane	1000	0.64	0.64	U
75-00-3	Chloroethane	1000	0.86	0.86	U
67-64-1	Acetone	1000	7.4	7.4	U
75-69-4	Trichlorofluoromethane (CFC 11)	1000	1.3	0.92	
75-35-4	1,1-Dichloroethene	1000	0.65	0.65	U
75-09-2	Methylene Chloride	1000	0.56	0.56	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1000	0.58	0.25	
75-15-0	Carbon Disulfide	1000	0.50	0.50	U
156-60-5	trans-1,2-Dichloroethene	1000	0.65	0.65	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	1000	0.67	0.67	U
1634-04-4	Methyl tert-Butyl Ether	1000	1.2	1.2	U
108-05-4	Vinyl Acetate	1000	7.4	7.4	U
78-93-3	2-Butanone (MEK)	1000	0.96	0.96	U
156-59-2	cis-1,2-Dichloroethene	1000	0.65	0.65	U
67-66-3	Chloroform	1000	0.80	0.80	U
107-06-2	1,2-Dichloroethane	1000	0.67	0.67	U
71-55-6	1,1,1-Trichloroethane (TCA)	1000	0.89	0.89	U
71-43-2	Benzene	1000	0.52	0.52	U
56-23-5	Carbon Tetrachloride	1000	0.60	0.10	
78-87-5	1,2-Dichloropropane	1000	0.75	0.75	U
75-27-4	Bromodichloromethane	1000	0.22	0.22	U
79-01-6	Trichloroethene (TCE)	1000	0.089	0.089	U
10061-01-5	cis-1,3-Dichloropropene	1000	1.5	1.5	U
108-10-1	4-Methyl-2-pentanone	1000	1.3	1.3	U
10061-02-6	trans-1,3-Dichloropropene	1000	0.74	0.74	U
79-00-5	1,1,2-Trichloroethane	1000	0.89	0.89	U
108-88-3	Toluene	1000	0.61	0.61	U
591-78-6	2-Hexanone	1000	0.67	0.67	U
124-48-1	Dibromochloromethane	1000	0.28	0.28	U
106-93-4	1,2-Dibromoethane	1000	0.25	0.25	U
127-18-4	Tetrachloroethene (PCE)	1000	0.12	0.12	U
108-90-7	Chlorobenzene	1000	0.75	0.75	U
100-41-4	Ethylbenzene	1000	1.4	1.4	U
179601-23-1	m,p-Xylenes	1000	2.8	2.8	U



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75-25-2	Bromoform	1000	1.7	1.7	U
100-42-5	Styrene	1000	1.4	1.4	U
95-47-6	o-Xylene	1000	1.4	1.4	U
79-34-5	1,1,2,2-Tetrachloroethane	1000	0.22	0.22	U
541-73-1	1,3-Dichlorobenzene	1000	2.0	2.0	U
106-46-7	1,4-Dichlorobenzene	1000	2.0	2.0	U
95-50-1	1,2-Dichlorobenzene	1000	2.0	2.0	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	108	70-130	6/28/12 1034	