

Report of Analysis

Client: RTP Environmental
Project: CHADWICK SQUARE
Client Sample ID: 16-IA-1
Lab Sample ID: Q3799-06
Analytical Method: TO-15
Sample Wt/Vol: 400 mL

Date Collected: 12/03/25
Date Received: 12/04/25
SDG No.: Q3799
Matrix: Air
Test: TO-15

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.42	2.08	J	1	0.54	2.47	12/08/25 17:00	VL120825
74-87-3	Chloromethane	0.74	1.53		1	0.21	1.03	12/08/25 17:00	VL120825
75-01-4	Vinyl Chloride	0.030	0.080	U	1	0.080	0.080	12/08/25 17:00	VL120825
74-83-9	Bromomethane	0.080	0.31	U	1	0.31	1.94	12/08/25 17:00	VL120825
75-00-3	Chloroethane	0.15	0.40	U	1	0.40	1.32	12/08/25 17:00	VL120825
109-99-9	Tetrahydrofuran	0.080	0.24	U	1	0.24	1.47	12/08/25 17:00	VL120825
75-69-4	Trichlorofluoromethane	0.21	1.18	J	1	0.96	2.81	12/08/25 17:00	VL120825
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1	1.07	3.83	12/08/25 17:00	VL120825
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1	1.05	3.49	12/08/25 17:00	VL120825
75-65-0	tert-Butyl alcohol	0.16	0.49	U	1	0.49	1.52	12/08/25 17:00	VL120825
142-82-5	Heptane	0.17	0.70	U	1	0.70	2.05	12/08/25 17:00	VL120825
75-35-4	1,1-Dichloroethene	0.15	0.59	U	1	0.59	1.98	12/08/25 17:00	VL120825
67-64-1	Acetone	29.8	70.8	E	1	0.43	1.19	12/08/25 17:00	VL120825
75-15-0	Carbon Disulfide	0.080	0.25	U	1	0.25	1.56	12/08/25 17:00	VL120825
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	1	0.83	1.80	12/08/25 17:00	VL120825
75-09-2	Methylene Chloride	7.30	25.4		1	0.80	1.74	12/08/25 17:00	VL120825
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	1	0.48	1.98	12/08/25 17:00	VL120825
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	12/08/25 17:00	VL120825
110-82-7	Cyclohexane	0.22	0.76	U	1	0.76	1.72	12/08/25 17:00	VL120825
78-93-3	2-Butanone	0.44	1.30	J	1	0.18	1.47	12/08/25 17:00	VL120825
56-23-5	Carbon Tetrachloride	0.080	0.50		1	0.19	0.19	12/08/25 17:00	VL120825
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	12/08/25 17:00	VL120825
67-66-3	Chloroform	0.10	0.49	U	1	0.49	2.44	12/08/25 17:00	VL120825
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	12/08/25 17:00	VL120825
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	1	0.65	2.34	12/08/25 17:00	VL120825
71-43-2	Benzene	0.20	0.64	J	1	0.26	1.60	12/08/25 17:00	VL120825
107-06-2	1,2-Dichloroethane	0.090	0.36	U	1	0.36	2.02	12/08/25 17:00	VL120825
79-01-6	Trichloroethene	0.020	0.11	U	1	0.11	0.16	12/08/25 17:00	VL120825
78-87-5	1,2-Dichloropropane	0.13	0.60	U	1	0.60	2.31	12/08/25 17:00	VL120825
75-27-4	Bromodichloromethane	0.060	0.40	U	1	0.40	3.35	12/08/25 17:00	VL120825
108-10-1	4-Methyl-2-Pentanone	0.11	0.45	J	1	0.41	2.05	12/08/25 17:00	VL120825
108-88-3	Toluene	0.26	0.98	J	1	0.60	1.88	12/08/25 17:00	VL120825
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	1	0.68	2.27	12/08/25 17:00	VL120825
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	1	0.50	2.27	12/08/25 17:00	VL120825
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	1	0.44	2.73	12/08/25 17:00	VL120825
124-48-1	Dibromochloromethane	0.090	0.77	U	1	0.77	4.26	12/08/25 17:00	VL120825
106-93-4	1,2-Dibromoethane	0.090	0.69	U	1	0.69	0.77	12/08/25 17:00	VL120825
127-18-4	Tetrachloroethene	0.020	0.14	U	1	0.14	0.20	12/08/25 17:00	VL120825
108-90-7	Chlorobenzene	0.080	0.37	U	1	0.37	2.30	12/08/25 17:00	VL120825
100-41-4	Ethyl Benzene	0.22	0.96	J	1	0.83	2.17	12/08/25 17:00	VL120825
179601-23-1	m/p-Xylene	0.90	3.91	J	1	1.78	4.34	12/08/25 17:00	VL120825
95-47-6	o-Xylene	0.24	1.04	J	1	0.91	2.17	12/08/25 17:00	VL120825
100-42-5	Styrene	0.16	0.68	U	1	0.68	2.13	12/08/25 17:00	VL120825
75-25-2	Bromoform	0.050	0.52	U	1	0.52	5.17	12/08/25 17:00	VL120825
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	1	0.14	0.21	12/08/25 17:00	VL120825
95-49-8	2-Chlorotoluene	0.17	0.88	U	1	0.88	2.59	12/08/25 17:00	VL120825

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CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	12/08/25 17:00	VL120825
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	12/08/25 17:00	VL120825
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	1	0.30	3.01	12/08/25 17:00	VL120825
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	1	0.78	3.01	12/08/25 17:00	VL120825
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	1	0.78	3.01	12/08/25 17:00	VL120825
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1	1.56	3.71	12/08/25 17:00	VL120825
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1	1.39	5.33	12/08/25 17:00	VL120825
106-99-0	1,3-Butadiene	0.050	0.11	U	1	0.11	1.11	12/08/25 17:00	VL120825
91-20-3	Naphthalene	0.010	0.050	U	1	0.050	0.52	12/08/25 17:00	VL120825
622-96-8	4-Ethyltoluene	0.21	1.03	U	1	1.03	2.46	12/08/25 17:00	VL120825
110-54-3	Hexane	2.70	9.52		1	0.56	1.76	12/08/25 17:00	VL120825
107-05-1	Allyl Chloride	0.11	0.34	U	1	0.34	1.57	12/08/25 17:00	VL120825
123-91-1	1,4-Dioxane	0.22	0.79	U	1	0.79	1.80	12/08/25 17:00	VL120825
80-62-6	Methyl Methacrylate	0.14	0.57	U	1	0.57	2.05	12/08/25 17:00	VL120825

SURROGATES

460-00-4 1-Bromo-4-Fluorobenzene 10.4 70 (65) - 130 (135) 104% SPK: 10

INTERNAL STANDARDS

Area Count
74-97-5 Bromochloromethane 146000
540-36-3 1,4-Difluorobenzene 393000
3114-55-4 Chlorobenzene-d5 307000

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements