

LAB CHRONICLE

OrderID:	Q3132	OrderDate:	9/18/2025 9:27:00 AM
Client:	RTP Environmental	Project:	CHADWICK SQUARE
Contact:	David Gabel	Location:	Air Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3132-01	151-1A-1	Air	TO-15	TO-15	09/17/25		09/23/25	09/17/25
Q3132-01DL	151-1A-1DL	Air	TO-15	TO-15	09/17/25		09/23/25	09/17/25
Q3132-02	151-1A-2	Air	TO-15	TO-15	09/17/25		09/23/25	09/17/25

Hit Summary Sheet SW-846

SDG No.: Q3132
Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	151-1A-1							
Q3132-01	151-1A-1	Air	Dichlorodifluoromethane	2.23	J	0.54	2.47	ug/m3
Q3132-01	151-1A-1	Air	Chloromethane	1.12		0.21	1.03	ug/m3
Q3132-01	151-1A-1	Air	Trichlorofluoromethane	2.75	J	0.96	2.81	ug/m3
Q3132-01	151-1A-1	Air	Heptane	1.64	J	0.70	2.05	ug/m3
Q3132-01	151-1A-1	Air	Acetone	41.6	E	0.43	1.19	ug/m3
Q3132-01	151-1A-1	Air	Methylene Chloride	16.3		0.80	1.74	ug/m3
Q3132-01	151-1A-1	Air	Cyclohexane	1.03	J	0.76	1.72	ug/m3
Q3132-01	151-1A-1	Air	2-Butanone	2.06		0.18	1.47	ug/m3
Q3132-01	151-1A-1	Air	Carbon Tetrachloride	0.50		0.19	0.19	ug/m3
Q3132-01	151-1A-1	Air	Chloroform	4.88		0.49	2.44	ug/m3
Q3132-01	151-1A-1	Air	2,2,4-Trimethylpentane	1.40	J	0.65	2.34	ug/m3
Q3132-01	151-1A-1	Air	Benzene	1.69		0.26	1.60	ug/m3
Q3132-01	151-1A-1	Air	1,2-Dichloroethane	0.77	J	0.36	2.02	ug/m3
Q3132-01	151-1A-1	Air	Toluene	7.16		0.60	1.88	ug/m3
Q3132-01	151-1A-1	Air	Tetrachloroethene	0.27		0.14	0.20	ug/m3
Q3132-01	151-1A-1	Air	Ethyl Benzene	1.26	J	0.83	2.17	ug/m3
Q3132-01	151-1A-1	Air	m/p-Xylene	4.78		1.78	4.34	ug/m3
Q3132-01	151-1A-1	Air	o-Xylene	1.61	J	0.91	2.17	ug/m3
Q3132-01	151-1A-1	Air	Styrene	0.77	J	0.68	2.13	ug/m3
Q3132-01	151-1A-1	Air	1,2,4-Trimethylbenzene	1.28	J	0.88	2.46	ug/m3
Q3132-01	151-1A-1	Air	Hexane	6.70		0.56	1.76	ug/m3
			Total Voc :		102			
			Total Concentration:		102			
Client ID:	151-1A-1DL							
Q3132-01DL	151-1A-1DL	Air	Acetone	44.7	D	4.28	11.9	ug/m3
Q3132-01DL	151-1A-1DL	Air	Chloroform	5.37	JD	4.69	24.4	ug/m3
Q3132-01DL	151-1A-1DL	Air	Toluene	6.41	JD	6.03	18.8	ug/m3
Q3132-01DL	151-1A-1DL	Air	Hexane	7.05	JD	5.64	17.6	ug/m3
			Total Voc :		63.5			
			Total Concentration:		63.5			
Client ID:	151-1A-2							
Q3132-02	151-1A-2	Air	Dichlorodifluoromethane	2.27	J	0.54	2.47	ug/m3
Q3132-02	151-1A-2	Air	Chloromethane	1.01	J	0.21	1.03	ug/m3
Q3132-02	151-1A-2	Air	Tetrahydrofuran	0.44	J	0.24	1.47	ug/m3
Q3132-02	151-1A-2	Air	Trichlorofluoromethane	2.59	J	0.96	2.81	ug/m3
Q3132-02	151-1A-2	Air	Heptane	1.15	J	0.70	2.05	ug/m3

Hit Summary Sheet
SW-846

SDG No.: Q3132

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3132-02	151-1A-2	Air	Acetone	29.9		0.43	1.19	ug/m3
Q3132-02	151-1A-2	Air	Methylene Chloride	2.29		0.80	1.74	ug/m3
Q3132-02	151-1A-2	Air	Cyclohexane	0.79	J	0.76	1.72	ug/m3
Q3132-02	151-1A-2	Air	2-Butanone	1.59		0.18	1.47	ug/m3
Q3132-02	151-1A-2	Air	Carbon Tetrachloride	0.44		0.19	0.19	ug/m3
Q3132-02	151-1A-2	Air	Chloroform	4.54		0.49	2.44	ug/m3
Q3132-02	151-1A-2	Air	2,2,4-Trimethylpentane	1.07	J	0.65	2.34	ug/m3
Q3132-02	151-1A-2	Air	Benzene	1.44	J	0.26	1.60	ug/m3
Q3132-02	151-1A-2	Air	1,2-Dichloroethane	0.85	J	0.36	2.02	ug/m3
Q3132-02	151-1A-2	Air	4-Methyl-2-Pentanone	0.45	J	0.41	2.05	ug/m3
Q3132-02	151-1A-2	Air	Toluene	4.90		0.60	1.88	ug/m3
Q3132-02	151-1A-2	Air	Tetrachloroethene	0.20		0.14	0.20	ug/m3
Q3132-02	151-1A-2	Air	Ethyl Benzene	1.04	J	0.83	2.17	ug/m3
Q3132-02	151-1A-2	Air	m/p-Xylene	3.61	J	1.78	4.34	ug/m3
Q3132-02	151-1A-2	Air	o-Xylene	1.13	J	0.91	2.17	ug/m3
Q3132-02	151-1A-2	Air	Styrene	0.81	J	0.68	2.13	ug/m3
Q3132-02	151-1A-2	Air	1,2,4-Trimethylbenzene	1.18	J	0.88	2.46	ug/m3
Q3132-02	151-1A-2	Air	Hexane	12.0		0.56	1.76	ug/m3
Total Voc :					75.7			
Total Concentration:					75.7			

Project : CHADWICK SQUARE

Sampling Date : 09/17/25

Field Id Number : 151-1A-1

Analysis Date : 09/23/25

Laboratory Id Number : Q3132-01

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.45	J	2.23		
Chloromethane	74-87-3	50.49	0.54		1.12		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.08	U	0.31		
Chloroethane	75-00-3	64.52	0.15	U	0.4		
Tetrahydrofuran	109-99-9	72.11	0.08	U	0.24		
Trichlorofluoromethane	75-69-4	137.4	0.49	J	2.75		
Dichlorotetrafluoroethane	76-14-2	170.9	0.15	U	1.05		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.14	U	1.07		
tert-Butyl alcohol	75-65-0	74.12	0.16	U	0.49		
Heptane	142-82-5	100.2	0.4	J	1.64		
1,1-Dichloroethene	75-35-4	96.94	0.15	U	0.59		
Acetone	67-64-1	58.08	17.5	E	41.6		
Carbon Disulfide	75-15-0	76.14	0.08	U	0.25		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.23	U	0.83		
Methylene Chloride	75-09-2	84.94	4.7		16.3		
trans-1,2-Dichloroethene	156-60-5	96.94	0.12	U	0.48		
1,1-Dichloroethane	75-34-3	98.96	0.13	U	0.53		
Cyclohexane	110-82-7	84.16	0.3	J	1.03		
2-Butanone	78-93-3	72.11	0.7		2.06		
Carbon Tetrachloride	56-23-5	153.8	0.08		0.5		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	1		4.88		
1,1,1-Trichloroethane	71-55-6	133.4	0.02	U	0.11		
2,2,4-Trimethylpentane	540-84-1	114.2	0.3	J	1.4		
Benzene	71-43-2	78.11	0.53		1.69		
1,2-Dichloroethane	107-06-2	98.96	0.19	J	0.77		
Trichloroethene	79-01-6	131.4	0.02	U	0.11		
1,2-Dichloropropane	78-87-5	113	0.13	U	0.6		
Bromodichloromethane	75-27-4	163.8	0.06	U	0.4		
4-Methyl-2-Pentanone	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	1.9		7.16		
t-1,3-Dichloropropene	10061-02-6	111	0.15	U	0.68		
cis-1,3-Dichloropropene	10061-01-5	111	0.11	U	0.5		
1,1,2-Trichloroethane	79-00-5	133.4	0.08	U	0.44		

Project : CHADWICK SQUARE

Sampling Date : 09/17/25

Field Id Number : 151-1A-1

Analysis Date : 09/23/25

Laboratory Id Number : Q3132-01

Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	0.09	U	0.77		
1,2-Dibromoethane	106-93-4	187.9	0.09	U	0.69		
Tetrachloroethene	127-18-4	165.8	0.04		0.27		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.29	J	1.26		
m/p-Xylene	179601-23-1	106.2	1.1		4.78		
o-Xylene	95-47-6	106.2	0.37	J	1.61		
Styrene	100-42-5	104.1	0.18	J	0.77		
Bromoform	75-25-2	252.8	0.05	U	0.52		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.02	U	0.14		
2-Chlorotoluene	95-49-8	126.6	0.17	U	0.88		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.18	U	0.88		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.26	J	1.28		
1,3-Dichlorobenzene	541-73-1	147	0.05	U	0.3		
1,4-Dichlorobenzene	106-46-7	147	0.13	U	0.78		
1,2-Dichlorobenzene	95-50-1	147	0.13	U	0.78		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.21	U	1.56		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.13	U	1.39		
Naphthalene	91-20-3	128.17	0.01	U	0.05		
1,3-Butadiene	106-99-0	54.09	0.05	U	0.11		
4-Ethyltoluene	622-96-8	120.2	0.21	U	1.03		
Hexane	110-54-3	86.17	1.9		6.7		
Allyl Chloride	107-05-1	76.53	0.11	U	0.34		
1,4-Dioxane	123-91-1	88.12	0.22	U	0.79		
Methyl Methacrylate	80-62-6	100.117	0.14	U	0.57		

Project : CHADWICK SQUARE

Sampling Date : 09/17/25

Field Id Number : 151-1A-1DL

Analysis Date : 09/23/25

Laboratory Id Number : Q3132-01DL

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	1.1	UD	5.44		
Chloromethane	74-87-3	50.49	0.98	UD	2.02		
Vinyl Chloride	75-01-4	62.5	0.25	UD	0.64		
Bromomethane	74-83-9	94.94	0.77	UD	2.99		
Chloroethane	75-00-3	64.52	1.5	UD	3.96		
Tetrahydrofuran	109-99-9	72.11	0.8	UD	2.36		
Trichlorofluoromethane	75-69-4	137.4	1.7	UD	9.55		
Dichlorotetrafluoroethane	76-14-2	170.9	1.5	UD	10.5		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1.4	UD	10.7		
tert-Butyl alcohol	75-65-0	74.12	1.6	UD	4.85		
Heptane	142-82-5	100.2	1.7	UD	6.97		
1,1-Dichloroethene	75-35-4	96.94	1.5	UD	5.95		
Acetone	67-64-1	58.08	18.8	D	44.7		
Carbon Disulfide	75-15-0	76.14	0.8	UD	2.49		
Methyl tert-Butyl Ether	1634-04-4	88.15	2.3	UD	8.29		
Methylene Chloride	75-09-2	84.94	2.3	UD	7.99		
trans-1,2-Dichloroethene	156-60-5	96.94	1.2	UD	4.76		
1,1-Dichloroethane	75-34-3	98.96	1.3	UD	5.26		
Cyclohexane	110-82-7	84.16	2.2	UD	7.57		
2-Butanone	78-93-3	72.11	0.56	UD	1.65		
Carbon Tetrachloride	56-23-5	153.8	0.25	UD	1.57		
cis-1,2-Dichloroethene	156-59-2	96.94	0.99	UD	3.93		
Chloroform	67-66-3	119.4	1.1	JD	5.37		
1,1,1-Trichloroethane	71-55-6	133.4	0.16	UD	0.87		
2,2,4-Trimethylpentane	540-84-1	114.2	1.4	UD	6.54		
Benzene	71-43-2	78.11	0.79	UD	2.52		
1,2-Dichloroethane	107-06-2	98.96	0.93	UD	3.76		
Trichloroethene	79-01-6	131.4	0.24	UD	1.29		
1,2-Dichloropropane	78-87-5	113	1.3	UD	6.01		
Bromodichloromethane	75-27-4	163.8	0.63	UD	4.22		
4-Methyl-2-Pentanone	108-10-1	100.2	0.97	UD	3.98		
Toluene	108-88-3	92.14	1.7	JD	6.41		
t-1,3-Dichloropropene	10061-02-6	111	1.5	UD	6.81		
cis-1,3-Dichloropropene	10061-01-5	111	1.1	UD	4.99		
1,1,2-Trichloroethane	79-00-5	133.4	0.81	UD	4.42		

Project : CHADWICK SQUARE

Sampling Date : 09/17/25

Field Id Number : 151-1A-1DL

Analysis Date : 09/23/25

Laboratory Id Number : Q3132-01DL

Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	0.85	UD	7.24		
1,2-Dibromoethane	106-93-4	187.9	0.85	UD	6.53		
Tetrachloroethene	127-18-4	165.8	0.15	UD	1.02		
Chlorobenzene	108-90-7	112.6	0.77	UD	3.55		
Ethyl Benzene	100-41-4	106.2	1.9	UD	8.25		
m/p-Xylene	179601-23-1	106.2	4.1	UD	17.8		
o-Xylene	95-47-6	106.2	2.1	UD	9.12		
Styrene	100-42-5	104.1	1.6	UD	6.81		
Bromoform	75-25-2	252.8	0.48	UD	4.96		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.18	UD	1.24		
2-Chlorotoluene	95-49-8	126.6	1.7	UD	8.8		
1,3,5-Trimethylbenzene	108-67-8	120.2	1.8	UD	8.85		
1,2,4-Trimethylbenzene	95-63-6	120.2	1.8	UD	8.85		
1,3-Dichlorobenzene	541-73-1	147	0.54	UD	3.25		
1,4-Dichlorobenzene	106-46-7	147	1.3	UD	7.82		
1,2-Dichlorobenzene	95-50-1	147	1.3	UD	7.82		
1,2,4-Trichlorobenzene	120-82-1	181.5	2.1	UD	15.6		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1.3	UD	13.9		
Naphthalene	91-20-3	128.17	0.13	UD	0.68		
1,3-Butadiene	106-99-0	54.09	0.51	UD	1.13		
4-Ethyltoluene	622-96-8	120.2	2.1	UD	10.3		
Hexane	110-54-3	86.17	2	JD	7.05		
Allyl Chloride	107-05-1	76.53	1.1	UD	3.44		
1,4-Dioxane	123-91-1	88.12	2.2	UD	7.93		
Methyl Methacrylate	80-62-6	100.117	1.4	UD	5.73		

Project : CHADWICK SQUARE

Field Id Number : 151-1A-2

Laboratory Id Number : Q3132-02

Sampling Date : 09/17/25

Analysis Date : 09/23/25

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.46	J	2.27		
Chloromethane	74-87-3	50.49	0.49	J	1.01		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.08	U	0.31		
Chloroethane	75-00-3	64.52	0.15	U	0.4		
Tetrahydrofuran	109-99-9	72.11	0.15	J	0.44		
Trichlorofluoromethane	75-69-4	137.4	0.46	J	2.59		
Dichlorotetrafluoroethane	76-14-2	170.9	0.15	U	1.05		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.14	U	1.07		
tert-Butyl alcohol	75-65-0	74.12	0.16	U	0.49		
Heptane	142-82-5	100.2	0.28	J	1.15		
1,1-Dichloroethene	75-35-4	96.94	0.15	U	0.59		
Acetone	67-64-1	58.08	12.6		29.9		
Carbon Disulfide	75-15-0	76.14	0.08	U	0.25		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.23	U	0.83		
Methylene Chloride	75-09-2	84.94	0.66		2.29		
trans-1,2-Dichloroethene	156-60-5	96.94	0.12	U	0.48		
1,1-Dichloroethane	75-34-3	98.96	0.13	U	0.53		
Cyclohexane	110-82-7	84.16	0.23	J	0.79		
2-Butanone	78-93-3	72.11	0.54		1.59		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.93		4.54		
1,1,1-Trichloroethane	71-55-6	133.4	0.02	U	0.11		
2,2,4-Trimethylpentane	540-84-1	114.2	0.23	J	1.07		
Benzene	71-43-2	78.11	0.45	J	1.44		
1,2-Dichloroethane	107-06-2	98.96	0.21	J	0.85		
Trichloroethene	79-01-6	131.4	0.02	U	0.11		
1,2-Dichloropropane	78-87-5	113	0.13	U	0.6		
Bromodichloromethane	75-27-4	163.8	0.06	U	0.4		
4-Methyl-2-Pentanone	108-10-1	100.2	0.11	J	0.45		
Toluene	108-88-3	92.14	1.3		4.9		
t-1,3-Dichloropropene	10061-02-6	111	0.15	U	0.68		
cis-1,3-Dichloropropene	10061-01-5	111	0.11	U	0.5		
1,1,2-Trichloroethane	79-00-5	133.4	0.08	U	0.44		

Project : CHADWICK SQUARE

Sampling Date : 09/17/25

Field Id Number : 151-1A-2

Analysis Date : 09/23/25

Laboratory Id Number : Q3132-02

Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	0.09	U	0.77		
1,2-Dibromoethane	106-93-4	187.9	0.09	U	0.69		
Tetrachloroethene	127-18-4	165.8	0.03		0.2		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.24	J	1.04		
m/p-Xylene	179601-23-1	106.2	0.83	J	3.61		
o-Xylene	95-47-6	106.2	0.26	J	1.13		
Styrene	100-42-5	104.1	0.19	J	0.81		
Bromoform	75-25-2	252.8	0.05	U	0.52		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.02	U	0.14		
2-Chlorotoluene	95-49-8	126.6	0.17	U	0.88		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.18	U	0.88		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.24	J	1.18		
1,3-Dichlorobenzene	541-73-1	147	0.05	U	0.3		
1,4-Dichlorobenzene	106-46-7	147	0.13	U	0.78		
1,2-Dichlorobenzene	95-50-1	147	0.13	U	0.78		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.21	U	1.56		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.13	U	1.39		
Naphthalene	91-20-3	128.17	0.01	U	0.05		
1,3-Butadiene	106-99-0	54.09	0.05	U	0.11		
4-Ethyltoluene	622-96-8	120.2	0.21	U	1.03		
Hexane	110-54-3	86.17	3.4		12.0		
Allyl Chloride	107-05-1	76.53	0.11	U	0.34		
1,4-Dioxane	123-91-1	88.12	0.22	U	0.79		
Methyl Methacrylate	80-62-6	100.117	0.14	U	0.57		

Method	Matrix	Parameter	Instrument ID	Column ID	MDL (ppbv)	RL (ppbv)	MB Data	MB Datafile	StdevVal
TO-15	Air	1,1,1,2-Tetrachloroethane	MSVOA_L	RTX-1	0.089	0.50	0		0.028115408
TO-15	Air	1,1,1-Trichloroethane	MSVOA_L	RTX-1	0.016	0.030	0		0.005089672
TO-15	Air	1,1,2,2-Tetrachloroethane	MSVOA_L	RTX-1	0.018	0.030	0		0.005472877
TO-15	Air	1,1,2-Trichloroethane	MSVOA_L	RTX-1	0.081	0.50	0		0.02572751
TO-15	Air	1,1,2-Trichlorotrifluoroethane	MSVOA_L	RTX-1	0.14	0.50	0		0.042983939
TO-15	Air	1,1-Dichloroethane	MSVOA_L	RTX-1	0.13	0.50	0		0.040178175
TO-15	Air	1,1-Dichloroethene	MSVOA_L	RTX-1	0.15	0.50	0		0.047056197
TO-15	Air	1,2,4-Trichlorobenzene	MSVOA_L	RTX-1	0.21	0.50	0		0.064291005
TO-15	Air	1,2,4-Trimethylbenzene	MSVOA_L	RTX-1	0.18	0.50	0		0.054467115
TO-15	Air	1,2-Dibromoethane	MSVOA_L	RTX-1	0.085	0.10	0		0.026726124
TO-15	Air	1,2-Dichlorobenzene	MSVOA_L	RTX-1	0.13	0.50	0		0.040999419
TO-15	Air	1,2-Dichloroethane	MSVOA_L	RTX-1	0.093	0.50	0		0.029277002
TO-15	Air	1,2-Dichloropropane	MSVOA_L	RTX-1	0.13	0.50	0		0.039880775
TO-15	Air	1,3,5-Trimethylbenzene	MSVOA_L	RTX-1	0.18	0.50	0		0.054598099
TO-15	Air	1,3-Butadiene	MSVOA_L	RTX-1	0.051	0.50	0		0.016035675
TO-15	Air	1,3-Dichlorobenzene	MSVOA_L	RTX-1	0.054	0.50	0		0.017043362
TO-15	Air	1,4-Dichlorobenzene	MSVOA_L	RTX-1	0.13	0.50	0		0.039460649
TO-15	Air	1,4-Dioxane	MSVOA_L	RTX-1	0.22	0.50	0		0.067330033
TO-15	Air	2,2,4-Trimethylpentane	MSVOA_L	RTX-1	0.14	0.50	0		0.044131837
TO-15	Air	2-Butanone	MSVOA_L	RTX-1	0.056	0.50	0		0.017728105
TO-15	Air	2-Chlorotoluene	MSVOA_L	RTX-1	0.17	0.50	0		0.052599113
TO-15	Air	2-Hexanone	MSVOA_L	RTX-1	0.11	0.50	0		0.033523268
TO-15	Air	4-Ethyltoluene	MSVOA_L	RTX-1	0.21	0.50	0		0.066332496
TO-15	Air	4-Methyl-2-Pentanone	MSVOA_L	RTX-1	0.097	0.50	0		0.030783422
TO-15	Air	Acetone	MSVOA_L	RTX-1	0.18	0.50	0		0.055592052
TO-15	Air	Allyl Chloride	MSVOA_L	RTX-1	0.11	0.50	0		0.033380918
TO-15	Air	Benzene	MSVOA_L	RTX-1	0.079	0.50	0		0.025071327
TO-15	Air	Benzyl Chloride	MSVOA_L	RTX-1	0.089	0.50	0		0.028284271
TO-15	Air	Bromodichloromethane	MSVOA_L	RTX-1	0.063	0.50	0		0.019880596
TO-15	Air	Bromoethene	MSVOA_L	RTX-1	0.2	0.50	0		0.062678317
TO-15	Air	Bromoform	MSVOA_L	RTX-1	0.048	0.50	0		0.015118579
TO-15	Air	Bromomethane	MSVOA_L	RTX-1	0.077	0.50	0		0.024494897
TO-15	Air	Carbon Disulfide	MSVOA_L	RTX-1	0.08	0.50	0		0.02544836
TO-15	Air	Carbon Tetrachloride	MSVOA_L	RTX-1	0.025	0.030	0		0.007690439
TO-15	Air	Chlorobenzene	MSVOA_L	RTX-1	0.077	0.50	0		0.024397502
TO-15	Air	Chlorodifluoromethane	MSVOA_L	RTX-1	0.12	0.50	0		0.037859389
TO-15	Air	Chloroethane	MSVOA_L	RTX-1	0.15	0.50	0		0.045250625
TO-15	Air	Chloroform	MSVOA_L	RTX-1	0.096	0.50	0		0.030394235
TO-15	Air	Chloromethane	MSVOA_L	RTX-1	0.098	0.50	0		0.03101459
TO-15	Air	cis-1,2-Dichloroethene	MSVOA_L	RTX-1	0.099	0.50	0		0.031471832
TO-15	Air	cis-1,3-Dichloropropene	MSVOA_L	RTX-1	0.11	0.50	0		0.032071349
TO-15	Air	Cyclohexane	MSVOA_L	RTX-1	0.22	0.50	0		0.06972736
TO-15	Air	Dibromochloromethane	MSVOA_L	RTX-1	0.085	0.50	0		0.026726124
TO-15	Air	Dichlorodifluoromethane	MSVOA_L	RTX-1	0.11	0.50	0		0.033380918
TO-15	Air	Dichlorotetrafluoroethane	MSVOA_L	RTX-1	0.15	0.50	0		0.045460606
TO-15	Air	Ethanol	MSVOA_L	RTX-1	0.32	0.50	0		0.098848128
TO-15	Air	Ethyl Acetate	MSVOA_L	RTX-1	0.12	0.50	0		0.036384193
TO-15	Air	Ethyl Benzene	MSVOA_L	RTX-1	0.19	0.50	0		0.058554004
TO-15	Air	Heptane	MSVOA_L	RTX-1	0.17	0.50	0		0.051130086
TO-15	Air	Hexachloro-1,3-Butadiene	MSVOA_L	RTX-1	0.13	0.50	0		0.038297084
TO-15	Air	Hexane	MSVOA_L	RTX-1	0.16	0.50	0		0.04894117
TO-15	Air	Isopropyl Alcohol	MSVOA_L	RTX-1	0.23	0.50	0		0.070676998
TO-15	Air	Isopropylbenzene	MSVOA_L	RTX-1	0.16	0.50	0		0.048205908
TO-15	Air	m/p-Xylene	MSVOA_L	RTX-1	0.41	1.00	0		0.130091543
TO-15	Air	Methyl Methacrylate	MSVOA_L	RTX-1	0.14	0.50	0		0.044131837
TO-15	Air	Methyl tert-Butyl Ether	MSVOA_L	RTX-1	0.23	0.50	0		0.07296444
TO-15	Air	Methylene Chloride	MSVOA_L	RTX-1	0.23	0.50	0		0.07204496
TO-15	Air	Naphthalene	MSVOA_L	RTX-1	0.013	0.10	0		0.004076647
TO-15	Air	Naphthalene,2-methyl-	MSVOA_L	RTX-1	0.22	0.50	0		0.069213266
TO-15	Air	n-Butylbenzene	MSVOA_L	RTX-1	0.18	0.50	0		0.055805786
TO-15	Air	n-propylbenzene	MSVOA_L	RTX-1	0.2	0.50	0		0.06164441
TO-15	Air	o-Xylene	MSVOA_L	RTX-1	0.21	0.50	0		0.06491753
TO-15	Air	p-Isopropyltoluene	MSVOA_L	RTX-1	0.19	0.50	0		0.059561893
TO-15	Air	Propene	MSVOA_L	RTX-1	0.077	0.50	0		0.024397502
TO-15	Air	sec-Butylbenzene	MSVOA_L	RTX-1	0.2	0.50	0		0.061913919
TO-15	Air	Styrene	MSVOA_L	RTX-1	0.16	0.50	0		0.05
TO-15	Air	t-1,3-Dichloropropene	MSVOA_L	RTX-1	0.15	0.50	0		0.046496288
TO-15	Air	tert-Butyl alcohol	MSVOA_L	RTX-1	0.16	0.50	0		0.048892496
TO-15	Air	tert-Butylbenzene	MSVOA_L	RTX-1	0.22	0.50	0		0.067928534
TO-15	Air	Tetrachloroethene	MSVOA_L	RTX-1	0.015	0.030	0		0.004725816
TO-15	Air	Tetrahydrofuran	MSVOA_L	RTX-1	0.08	0.50	0		0.025166115
TO-15	Air	Toluene	MSVOA_L	RTX-1	0.16	0.50	0		0.050142654
TO-15	Air	trans-1,2-Dichloroethene	MSVOA_L	RTX-1	0.12	0.50	0		0.036968455
TO-15	Air	Trichloroethene	MSVOA_L	RTX-1	0.024	0.030	0		0.007587584
TO-15	Air	Trichlorofluoromethane	MSVOA_L	RTX-1	0.17	0.50	0		0.053452248
TO-15	Air	Vinyl Acetate	MSVOA_L	RTX-1	0.26	0.50	0		0.079671946
TO-15	Air	Vinyl Chloride	MSVOA_L	RTX-1	0.025	0.030	0		0.007955232

A
B
C
D
E
F
G
H

Students	Spike_Amt_A	Datafile1	Concentration1	Adate1	Datafile2	Concentration2	Adate2
Value	dded						
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.03	VL041883.D	0.037	01102025T00:17:00	VL041884.D	0.04	01102025T00:47:00
3.143	0.03	VL041883.D	0.045	01102025T00:17:00	VL041884.D	0.04	01102025T00:47:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.54	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.5	01092025T21:16:00	VL041878.D	0.53	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.52	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.52	01092025T21:16:00	VL041878.D	0.54	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.49	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.52	01092025T21:16:00	VL041878.D	0.54	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.41	01092025T21:16:00	VL041878.D	0.38	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.6	01092025T21:16:00	VL041878.D	0.62	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.31	01092025T21:16:00	VL041878.D	0.29	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.53	01092025T21:46:00
3.143	0.4	VL041877.D	0.36	01092025T21:16:00	VL041878.D	0.35	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.4	VL041877.D	0.41	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.03	VL041883.D	0.036	01102025T00:17:00	VL041884.D	0.038	01102025T00:47:00
3.143	0.4	VL041877.D	0.5	01092025T21:16:00	VL041878.D	0.48	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.57	01092025T21:16:00	VL041878.D	0.59	01092025T21:46:00
3.143	0.4	VL041877.D	0.51	01092025T21:16:00	VL041878.D	0.5	01092025T21:46:00
3.143	0.4	VL041877.D	0.54	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.41	01092025T21:16:00	VL041878.D	0.4	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.39	01092025T21:16:00	VL041878.D	0.4	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.4	VL042501.D	0.885	05062025T17:36:00	VL042502.D	0.76	05062025T18:07:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.43	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.43	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.5	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.59	01092025T21:16:00	VL041878.D	0.6	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.91	01092025T21:16:00	VL041878.D	0.91	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.41	01092025T21:46:00
3.143	0.4	VL041877.D	0.4	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.68	01092025T21:16:00	VL041878.D	0.61	01092025T21:46:00
3.143	0.04	VL042504.D	0.035	05062025T19:10:00	VL042505.D	0.04	05062025T19:42:00
3.143	0.4	VL041877.D	0.34	01092025T21:16:00	VL041878.D	0.34	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.42	01092025T21:16:00	VL041878.D	0.4	01092025T21:46:00
3.143	0.4	VL041877.D	0.41	01092025T21:16:00	VL041878.D	0.36	01092025T21:46:00
3.143	0.4	VL041877.D	0.5	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.03	VL041883.D	0.037	01102025T00:17:00	VL041884.D	0.04	01102025T00:47:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.03	VL041883.D	0.047	01102025T00:17:00	VL041884.D	0.047	01102025T00:47:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.4	VL041877.D	0.43	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.03	VL042498.D	0.018	05062025T16:01:00	VL042500.D	0.032	05062025T17:04:00

Datafile3	Concentration3	Adate3	Datafile4	Concentration4	Adate4	Datafile5	Concentration5
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.4
VL041885.D	0.038	01102025T01:18:00	VL041913.D	0.033	01152025T02:53:00	VL041914.D	0.037
VL041885.D	0.044	01102025T01:18:00	VL041913.D	0.033	01152025T02:53:00	VL041914.D	0.032
VL041879.D	0.48	01092025T22:17:00	VL041909.D	0.44	01152025T00:52:00	VL041910.D	0.47
VL041879.D	0.55	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.47
VL041879.D	0.57	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.48
VL041879.D	0.58	01092025T22:17:00	VL041909.D	0.49	01152025T00:52:00	VL041910.D	0.49
VL041879.D	0.48	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.47	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.39
VL041879.D	0.47	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.43
VL041879.D	0.53	01092025T22:17:00	VL041909.D	0.44	01152025T00:52:00	VL041910.D	0.43
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.46
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.43	01152025T00:52:00	VL041910.D	0.42
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.51	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.51
VL041879.D	0.48	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.44
VL041879.D	0.51	01092025T22:17:00	VL041909.D	0.43	01152025T00:52:00	VL041910.D	0.41
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.45	01152025T00:52:00	VL041910.D	0.47
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.39
VL041879.D	0.49	01092025T22:17:00	VL041909.D	0.44	01152025T00:52:00	VL041910.D	0.44
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.39	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.33
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.39	01152025T00:52:00	VL041910.D	0.37
VL041879.D	0.68	01092025T22:17:00	VL041909.D	0.53	01152025T00:52:00	VL041910.D	0.53
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.41
VL041879.D	0.28	01092025T22:17:00	VL041909.D	0.26	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.4	01152025T00:52:00	VL041910.D	0.4
VL041879.D	0.55	01092025T22:17:00	VL041909.D	0.44	01152025T00:52:00	VL041910.D	0.52
VL041879.D	0.37	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.53	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.41	01152025T00:52:00	VL041910.D	0.4
VL041885.D	0.048	01102025T01:18:00	VL041913.D	0.026	01152025T02:53:00	VL041914.D	0.033
VL041879.D	0.52	01092025T22:17:00	VL041909.D	0.45	01152025T00:52:00	VL041910.D	0.46
VL041879.D	0.51	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.42
VL041879.D	0.52	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.53	01092025T22:17:00	VL041909.D	0.45	01152025T00:52:00	VL041910.D	0.46
VL041879.D	0.53	01092025T22:17:00	VL041909.D	0.52	01152025T00:52:00	VL041910.D	0.45
VL041879.D	0.49	01092025T22:17:00	VL041909.D	0.43	01152025T00:52:00	VL041910.D	0.42
VL041879.D	0.38	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.35	01152025T00:52:00	VL041910.D	0.35
VL041879.D	0.41	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.56	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.56	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.46
VL042503.D	0.611	05062025T18:39:00	VL042518.D	0.831	05072025T15:02:00	VL042519.D	0.842
VL041879.D	0.47	01092025T22:17:00	VL041909.D	0.41	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.35
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.37
VL041879.D	0.51	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.43
VL041879.D	0.49	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.63	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.92	01092025T22:17:00	VL041909.D	0.72	01152025T00:52:00	VL041910.D	0.69
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.36	01152025T00:52:00	VL041910.D	0.35
VL041879.D	0.42	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.52
VL041879.D	0.63	01092025T22:17:00	VL041909.D	0.54	01152025T00:52:00	VL041910.D	0.57
VL042506.D	0.04	05062025T20:13:00	VL042521.D	0.031	05072025T16:49:00	VL042522.D	0.032
VL041879.D	0.33	01092025T22:17:00	VL041909.D	0.28	01152025T00:52:00	VL041910.D	0.25
VL041879.D	0.42	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.36	01152025T00:52:00	VL041910.D	0.33
VL041879.D	0.47	01092025T22:17:00	VL041909.D	0.35	01152025T00:52:00	VL041910.D	0.35
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.52	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.48
VL041879.D	0.45	01092025T22:17:00	VL041909.D	0.38	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.38	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.31
VL041879.D	0.38	01092025T22:17:00	VL041909.D	0.36	01152025T00:52:00	VL041910.D	0.33
VL041879.D	0.52	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.41
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.36	01152025T00:52:00	VL041910.D	0.37
VL041885.D	0.034	01102025T01:18:00	VL041913.D	0.037	01152025T02:53:00	VL041914.D	0.034
VL041879.D	0.41	01092025T22:17:00	VL041909.D	0.41	01152025T00:52:00	VL041910.D	0.42
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.54	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.48
VL041885.D	0.035	01102025T01:18:00	VL041913.D	0.029	01152025T02:53:00	VL041914.D	0.033
VL041879.D	0.54	01092025T22:17:00	VL041909.D	0.45	01152025T00:52:00	VL041910.D	0.47
VL041879.D	0.56	01092025T22:17:00	VL041909.D	0.35	01152025T00:52:00	VL041910.D	0.44
VL042515.D	0.021	05072025T13:17:00	VL042516.D	0.021	05072025T13:50:00	VL042517.D	0.014

Adate5	Datafile6	Concentration6	Adate6	Datafile7	Concentration7	Adate7	Department
01152025T01:23:00	VL041932.D	0.41	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T03:23:00	VL041936.D	0.028	01212025T00:31:00	VL041940.D	0.027	01212025T09:44:00	VOC
01152025T03:23:00	VL041936.D	0.034	01212025T00:31:00	VL041940.D	0.034	01212025T09:44:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.49	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.44	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.45	01202025T22:30:00	VL041933.D	0.47	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.47	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.34	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.35	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.45	01202025T22:30:00	VL041933.D	0.4	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.45	01202025T22:30:00	VL041933.D	0.49	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.49	01202025T22:30:00	VL041933.D	0.47	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.47	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.49	01202025T22:30:00	VL041933.D	0.52	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.45	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.3	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.41	01202025T22:30:00	VL041933.D	0.37	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.47	01202025T22:30:00	VL041933.D	0.46	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.36	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.35	01202025T22:30:00	VL041933.D	0.31	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.31	01202025T22:30:00	VL041933.D	0.3	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.38	01202025T22:30:00	VL041933.D	0.37	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.58	01202025T22:30:00	VL041933.D	0.54	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.43	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.47	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.29	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.42	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.39	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.34	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.47	01202025T22:30:00	VL041933.D	0.52	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.38	01202025T22:30:00	VL041933.D	0.38	01202025T23:00:00	VOC
01152025T03:23:00	VL041936.D	0.029	01212025T00:31:00	VL041940.D	0.027	01212025T09:44:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.48	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.51	01202025T22:30:00	VL041933.D	0.49	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.52	01202025T22:30:00	VL041933.D	0.49	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.47	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.48	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.35	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.37	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.38	01202025T22:30:00	VL041933.D	0.36	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.48	01202025T22:30:00	VL041933.D	0.51	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.45	01202025T22:30:00	VL041933.D	0.45	01202025T23:00:00	VOC
05072025T15:37:00	VL042520.D	0.766	05072025T16:13:00	VL042569.D	0.664	05212025T16:53:00	VOC
01152025T01:23:00	VL041932.D	0.39	01202025T22:30:00	VL041933.D	0.4	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.32	01202025T22:30:00	VL041933.D	0.31	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.37	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.44	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.4	01202025T22:30:00	VL041933.D	0.36	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.46	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.36	01202025T22:30:00	VL041933.D	0.35	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.64	01202025T22:30:00	VL041933.D	0.65	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.35	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.35	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.48	01202025T23:00:00	VOC
05072025T17:24:00	VL042523.D	0.03	05072025T17:58:00	VL042567.D	0.034	05212025T15:49:00	VOC
01152025T01:23:00	VL041932.D	0.2	01202025T22:30:00	VL041933.D	0.17	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.31	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.31	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.32	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.32	01202025T22:30:00	VL041933.D	0.32	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.48	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.34	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.3	01202025T22:30:00	VL041933.D	0.3	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.27	01202025T22:30:00	VL041933.D	0.31	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.44	01202025T22:30:00	VL041933.D	0.38	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.3	01202025T23:00:00	VOC
01152025T03:23:00	VL041936.D	0.026	01212025T00:31:00	VL041940.D	0.03	01212025T09:44:00	VOC
01152025T01:23:00	VL041932.D	0.39	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.34	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.44	01202025T23:00:00	VOC
01152025T03:23:00	VL041936.D	0.033	01212025T00:31:00	VL041940.D	0.03	01212025T09:44:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.37	01202025T23:00:00	VOC
05072025T14:29:00	VL042575.D	0.034	05222025T11:27:00	VL042576.D	0.032	05222025T11:59:00	VOC

- A
- B
- C
- D**
- E
- F
- G
- H

AVG Concentration	Recovery	Effective Date
0.43	108	5/22/2025
0.03	114	5/22/2025
0.04	125	5/22/2025
0.47	119	5/22/2025
0.50	125	5/22/2025
0.50	125	5/22/2025
0.50	125	5/22/2025
0.40	100	5/22/2025
0.40	100	5/22/2025
0.45	112	5/22/2025
0.48	120	5/22/2025
0.49	123	5/22/2025
0.48	119	5/22/2025
0.38	95	5/22/2025
0.51	128	5/22/2025
0.46	116	5/22/2025
0.45	112	5/22/2025
0.44	110	5/22/2025
0.42	105	5/22/2025
0.46	115	5/22/2025
0.40	100	5/22/2025
0.36	91	5/22/2025
0.37	93	5/22/2025
0.40	100	5/22/2025
0.58	146	5/22/2025
0.47	118	5/22/2025
0.45	111	5/22/2025
0.30	75	5/22/2025
0.42	106	5/22/2025
0.48	119	5/22/2025
0.35	86	5/22/2025
0.50	125	5/22/2025
0.41	102	5/22/2025
0.03	113	5/22/2025
0.48	121	5/22/2025
0.47	118	5/22/2025
0.52	130	5/22/2025
0.48	121	5/22/2025
0.50	126	5/22/2025
0.44	111	5/22/2025
0.36	91	5/22/2025
0.40	101	5/22/2025
0.38	95	5/22/2025
0.50	125	5/22/2025
0.49	123	5/22/2025
0.77	191	5/22/2025
0.42	106	5/22/2025
0.38	94	5/22/2025
0.40	100	5/22/2025
0.46	115	5/22/2025
0.43	106	5/22/2025
0.53	134	5/22/2025
0.40	101	5/22/2025
0.78	194	5/22/2025
0.38	95	5/22/2025
0.40	101	5/22/2025
0.57	143	5/22/2025
0.03	86	5/22/2025
0.27	68	5/22/2025
0.37	93	5/22/2025
0.38	95	5/22/2025
0.39	97	5/22/2025
0.38	95	5/22/2025
0.50	124	5/22/2025
0.40	100	5/22/2025
0.35	88	5/22/2025
0.35	86	5/22/2025
0.45	113	5/22/2025
0.39	98	5/22/2025
0.03	113	5/22/2025
0.42	105	5/22/2025
0.39	97	5/22/2025
0.48	120	5/22/2025
0.04	121	5/22/2025
0.48	119	5/22/2025
0.42	105	5/22/2025
0.02	82	5/22/2025

A

B

C

D

E

F

G

H



SAMPLE DATA

Report of Analysis

Client:	RTP Environmental	Date Collected:	09/17/25
Project:	CHADWICK SQUARE	Date Received:	09/17/25
Client Sample ID:	151-1A-1	SDG No.:	Q3132
Lab Sample ID:	Q3132-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042978.D	1		09/23/25 03:33	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.45	2.23	J	0.54	2.47
74-87-3	Chloromethane	0.54	1.12		0.21	1.03
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47
75-69-4	Trichlorofluoromethane	0.49	2.75	J	0.96	2.81
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52
142-82-5	Heptane	0.40	1.64	J	0.70	2.05
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98
67-64-1	Acetone	17.5	41.6	E	0.43	1.19
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80
75-09-2	Methylene Chloride	4.70	16.3		0.80	1.74
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02
110-82-7	Cyclohexane	0.30	1.03	J	0.76	1.72
78-93-3	2-Butanone	0.70	2.06		0.18	1.47
56-23-5	Carbon Tetrachloride	0.080	0.50		0.19	0.19
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98
67-66-3	Chloroform	1.00	4.88		0.49	2.44
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16
540-84-1	2,2,4-Trimethylpentane	0.30	1.40	J	0.65	2.34
71-43-2	Benzene	0.53	1.69		0.26	1.60
107-06-2	1,2-Dichloroethane	0.19	0.77	J	0.36	2.02
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05
108-88-3	Toluene	1.90	7.16		0.60	1.88
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73

Report of Analysis

Client:	RTP Environmental	Date Collected:	09/17/25
Project:	CHADWICK SQUARE	Date Received:	09/17/25
Client Sample ID:	151-1A-1	SDG No.:	Q3132
Lab Sample ID:	Q3132-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042978.D	1		09/23/25 03:33	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77
127-18-4	Tetrachloroethene	0.040	0.27		0.14	0.20
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30
100-41-4	Ethyl Benzene	0.29	1.26	J	0.83	2.17
179601-23-1	m/p-Xylene	1.10	4.78		1.78	4.34
95-47-6	o-Xylene	0.37	1.61	J	0.91	2.17
100-42-5	Styrene	0.18	0.77	J	0.68	2.13
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46
95-63-6	1,2,4-Trimethylbenzene	0.26	1.28	J	0.88	2.46
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46
110-54-3	Hexane	1.90	6.70		0.56	1.76
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	10.3			70 (65) - 130 (135)	103% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	148000		2.79		
540-36-3	1,4-Difluorobenzene	425000		3.962		
3114-55-4	Chlorobenzene-d5	381000		8.885		

Report of Analysis

Client:	RTP Environmental	Date Collected:	09/17/25
Project:	CHADWICK SQUARE	Date Received:	09/17/25
Client Sample ID:	151-1A-1	SDG No.:	Q3132
Lab Sample ID:	Q3132-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042978.D	1		09/23/25 03:33	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Report of Analysis

Client:	RTP Environmental	Date Collected:	09/17/25
Project:	CHADWICK SQUARE	Date Received:	09/17/25
Client Sample ID:	151-1A-1DL	SDG No.:	Q3132
Lab Sample ID:	Q3132-01DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042979.D	10		09/23/25 04:08	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	5.44	UD	5.44	24.7
74-87-3	Chloromethane	0.98	2.02	UD	2.02	10.3
75-01-4	Vinyl Chloride	0.25	0.64	UD	0.64	0.77
74-83-9	Bromomethane	0.77	2.99	UD	2.99	19.4
75-00-3	Chloroethane	1.50	3.96	UD	3.96	13.2
109-99-9	Tetrahydrofuran	0.80	2.36	UD	2.36	14.8
75-69-4	Trichlorofluoromethane	1.70	9.55	UD	9.55	28.1
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	10.7	UD	10.7	38.3
76-14-2	Dichlorotetrafluoroethane	1.50	10.5	UD	10.5	35.0
75-65-0	tert-Butyl alcohol	1.60	4.85	UD	4.85	15.2
142-82-5	Heptane	1.70	6.97	UD	6.97	20.5
75-35-4	1,1-Dichloroethene	1.50	5.95	UD	5.95	19.8
67-64-1	Acetone	18.8	44.7	D	4.28	11.9
75-15-0	Carbon Disulfide	0.80	2.49	UD	2.49	15.6
1634-04-4	Methyl tert-Butyl Ether	2.30	8.29	UD	8.29	18.0
75-09-2	Methylene Chloride	2.30	7.99	UD	7.99	17.4
156-60-5	trans-1,2-Dichloroethene	1.20	4.76	UD	4.76	19.8
75-34-3	1,1-Dichloroethane	1.30	5.26	UD	5.26	20.2
110-82-7	Cyclohexane	2.20	7.57	UD	7.57	17.2
78-93-3	2-Butanone	0.56	1.65	UD	1.65	14.8
56-23-5	Carbon Tetrachloride	0.25	1.57	UD	1.57	1.89
156-59-2	cis-1,2-Dichloroethene	0.99	3.93	UD	3.93	19.8
67-66-3	Chloroform	1.10	5.37	JD	4.69	24.4
71-55-6	1,1,1-Trichloroethane	0.16	0.87	UD	0.87	1.64
540-84-1	2,2,4-Trimethylpentane	1.40	6.54	UD	6.54	23.4
71-43-2	Benzene	0.79	2.52	UD	2.52	16.0
107-06-2	1,2-Dichloroethane	0.93	3.76	UD	3.76	20.2
79-01-6	Trichloroethene	0.24	1.29	UD	1.29	1.61
78-87-5	1,2-Dichloropropane	1.30	6.01	UD	6.01	23.1
75-27-4	Bromodichloromethane	0.63	4.22	UD	4.22	33.5
108-10-1	4-Methyl-2-Pentanone	0.97	3.98	UD	3.98	20.5
108-88-3	Toluene	1.70	6.41	JD	6.03	18.8
10061-02-6	t-1,3-Dichloropropene	1.50	6.81	UD	6.81	22.7
10061-01-5	cis-1,3-Dichloropropene	1.10	4.99	UD	4.99	22.7
79-00-5	1,1,2-Trichloroethane	0.81	4.42	UD	4.42	27.3

Report of Analysis

Client:	RTP Environmental	Date Collected:	09/17/25
Project:	CHADWICK SQUARE	Date Received:	09/17/25
Client Sample ID:	151-1A-1DL	SDG No.:	Q3132
Lab Sample ID:	Q3132-01DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042979.D	10		09/23/25 04:08	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.85	7.24	UD	7.24	42.6
106-93-4	1,2-Dibromoethane	0.85	6.53	UD	6.53	7.69
127-18-4	Tetrachloroethene	0.15	1.02	UD	1.02	2.03
108-90-7	Chlorobenzene	0.77	3.55	UD	3.55	23.0
100-41-4	Ethyl Benzene	1.90	8.25	UD	8.25	21.7
179601-23-1	m/p-Xylene	4.10	17.8	UD	17.8	43.4
95-47-6	o-Xylene	2.10	9.12	UD	9.12	21.7
100-42-5	Styrene	1.60	6.81	UD	6.81	21.3
75-25-2	Bromoform	0.48	4.96	UD	4.96	51.7
79-34-5	1,1,2,2-Tetrachloroethane	0.18	1.24	UD	1.24	2.06
95-49-8	2-Chlorotoluene	1.70	8.80	UD	8.80	25.9
108-67-8	1,3,5-Trimethylbenzene	1.80	8.85	UD	8.85	24.6
95-63-6	1,2,4-Trimethylbenzene	1.80	8.85	UD	8.85	24.6
541-73-1	1,3-Dichlorobenzene	0.54	3.25	UD	3.25	30.1
106-46-7	1,4-Dichlorobenzene	1.30	7.82	UD	7.82	30.1
95-50-1	1,2-Dichlorobenzene	1.30	7.82	UD	7.82	30.1
120-82-1	1,2,4-Trichlorobenzene	2.10	15.6	UD	15.6	37.1
87-68-3	Hexachloro-1,3-Butadiene	1.30	13.9	UD	13.9	53.3
106-99-0	1,3-Butadiene	0.51	1.13	UD	1.13	11.1
91-20-3	Naphthalene	0.13	0.68	UD	0.68	5.24
622-96-8	4-Ethyltoluene	2.10	10.3	UD	10.3	24.6
110-54-3	Hexane	2.00	7.05	JD	5.64	17.6
107-05-1	Allyl Chloride	1.10	3.44	UD	3.44	15.7
123-91-1	1,4-Dioxane	2.20	7.93	UD	7.93	18.0
80-62-6	Methyl Methacrylate	1.40	5.73	UD	5.73	20.5
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	10.3			70 (65) - 130 (135)	103% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	150000		2.79		
540-36-3	1,4-Difluorobenzene	425000		3.965		
3114-55-4	Chlorobenzene-d5	372000		8.885		

Report of Analysis

Client:	RTP Environmental	Date Collected:	09/17/25
Project:	CHADWICK SQUARE	Date Received:	09/17/25
Client Sample ID:	151-1A-1DL	SDG No.:	Q3132
Lab Sample ID:	Q3132-01DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042979.D	10		09/23/25 04:08	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Report of Analysis

Client:	RTP Environmental	Date Collected:	09/17/25
Project:	CHADWICK SQUARE	Date Received:	09/17/25
Client Sample ID:	151-1A-2	SDG No.:	Q3132
Lab Sample ID:	Q3132-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042980.D	1		09/23/25 04:44	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.46	2.27	J	0.54	2.47
74-87-3	Chloromethane	0.49	1.01	J	0.21	1.03
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32
109-99-9	Tetrahydrofuran	0.15	0.44	J	0.24	1.47
75-69-4	Trichlorofluoromethane	0.46	2.59	J	0.96	2.81
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52
142-82-5	Heptane	0.28	1.15	J	0.70	2.05
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98
67-64-1	Acetone	12.6	29.9		0.43	1.19
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80
75-09-2	Methylene Chloride	0.66	2.29		0.80	1.74
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02
110-82-7	Cyclohexane	0.23	0.79	J	0.76	1.72
78-93-3	2-Butanone	0.54	1.59		0.18	1.47
56-23-5	Carbon Tetrachloride	0.070	0.44		0.19	0.19
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98
67-66-3	Chloroform	0.93	4.54		0.49	2.44
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16
540-84-1	2,2,4-Trimethylpentane	0.23	1.07	J	0.65	2.34
71-43-2	Benzene	0.45	1.44	J	0.26	1.60
107-06-2	1,2-Dichloroethane	0.21	0.85	J	0.36	2.02
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35
108-10-1	4-Methyl-2-Pentanone	0.11	0.45	J	0.41	2.05
108-88-3	Toluene	1.30	4.90		0.60	1.88
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73

Report of Analysis

Client:	RTP Environmental	Date Collected:	09/17/25
Project:	CHADWICK SQUARE	Date Received:	09/17/25
Client Sample ID:	151-1A-2	SDG No.:	Q3132
Lab Sample ID:	Q3132-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042980.D	1		09/23/25 04:44	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77
127-18-4	Tetrachloroethene	0.030	0.20		0.14	0.20
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30
100-41-4	Ethyl Benzene	0.24	1.04	J	0.83	2.17
179601-23-1	m/p-Xylene	0.83	3.61	J	1.78	4.34
95-47-6	o-Xylene	0.26	1.13	J	0.91	2.17
100-42-5	Styrene	0.19	0.81	J	0.68	2.13
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46
95-63-6	1,2,4-Trimethylbenzene	0.24	1.18	J	0.88	2.46
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46
110-54-3	Hexane	3.40	12.0		0.56	1.76
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	10.5			70 (65) - 130 (135)	105% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	145000		2.79		
540-36-3	1,4-Difluorobenzene	414000		3.962		
3114-55-4	Chlorobenzene-d5	363000		8.885		

Report of Analysis

Client:	RTP Environmental	Date Collected:	09/17/25
Project:	CHADWICK SQUARE	Date Received:	09/17/25
Client Sample ID:	151-1A-2	SDG No.:	Q3132
Lab Sample ID:	Q3132-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042980.D	1		09/23/25 04:44	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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



QC SUMMARY

Surrogate Summary

SDG No.: **Q3132**

Client: **RTP Environmental**

Analytical Method: **SWTO-15**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3130-02DUP	131-1A-2DUP	1-Bromo-4-Fluorobenzene	10	10.2	102		70 (65)	130 (135)
Q3132-01	151-1A-1	1-Bromo-4-Fluorobenzene	10	10.3	103		70 (65)	130 (135)
Q3132-01DL	151-1A-1DL	1-Bromo-4-Fluorobenzene	10	10.3	103		70 (65)	130 (135)
Q3132-02	151-1A-2	1-Bromo-4-Fluorobenzene	10	10.5	105		70 (65)	130 (135)
VL0922ABL01	VL0922ABL01	1-Bromo-4-Fluorobenzene	10	10.0	100		70 (65)	130 (135)
VL0922ABS01	VL0922ABS01	1-Bromo-4-Fluorobenzene	10	10.0	100		70 (65)	130 (135)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:		Q3132	SW-846		Analytical Method:		SWTO-15
Client:		RTP Environmental	Datafile :		VL042959.D		

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL0922ABS01	Dichlorodifluoromethane	10	9.30	ppbv	93			40 (70)	160 (130)	
	Chloromethane	10	8.70	ppbv	87			40 (70)	160 (130)	
	Vinyl Chloride	10	8.40	ppbv	84			70 (70)	130 (130)	
	Bromomethane	10	8.30	ppbv	83			40 (70)	160 (130)	
	Chloroethane	10	8.80	ppbv	88			40 (70)	160 (130)	
	Tetrahydrofuran	10	9.30	ppbv	93			70 (70)	130 (130)	
	Trichlorofluoromethane	10	9.10	ppbv	91			40 (70)	160 (130)	
	1,1,2-Trichlorotrifluoroethane	10	9.00	ppbv	90			70 (70)	130 (130)	
	Dichlorotetrafluoroethane	10	9.00	ppbv	90			70 (70)	130 (130)	
	tert-Butyl Alcohol	10	9.00	ppbv	90			70 (70)	130 (130)	
	Heptane	10	9.00	ppbv	90			70 (70)	130 (130)	
	1,1-Dichloroethene	10	9.00	ppbv	90			70 (70)	130 (130)	
	Acetone	10	7.40	ppbv	74			40 (70)	160 (130)	
	Carbon disulfide	10	8.80	ppbv	88			40 (70)	160 (130)	
	Methyl tert-butyl Ether	10	7.80	ppbv	78			70 (70)	130 (130)	
	Methylene Chloride	10	9.80	ppbv	98			70 (70)	130 (130)	
	trans-1,2-Dichloroethene	10	8.90	ppbv	89			70 (70)	130 (130)	
	1,1-Dichloroethane	10	9.00	ppbv	90			70 (70)	130 (130)	
	Cyclohexane	10	9.30	ppbv	93			70 (70)	130 (130)	
	2-Butanone	10	9.20	ppbv	92			40 (70)	160 (130)	
	Carbon Tetrachloride	10	9.70	ppbv	97			70 (70)	130 (130)	
	cis-1,2-Dichloroethene	10	9.30	ppbv	93			70 (70)	130 (130)	
	Chloroform	10	9.50	ppbv	95			70 (70)	130 (130)	
	1,1,1-Trichloroethane	10	9.00	ppbv	90			70 (70)	130 (130)	
	2,2,4-Trimethylpentane	10	9.40	ppbv	94			70 (70)	130 (130)	
	Benzene	10	9.60	ppbv	96			70 (70)	130 (130)	
	1,2-Dichloroethane	10	9.90	ppbv	99			70 (70)	130 (130)	
	Trichloroethene	10	9.20	ppbv	92			70 (70)	130 (130)	
	1,2-Dichloropropane	10	9.70	ppbv	97			70 (70)	130 (130)	
	Bromodichloromethane	10	9.90	ppbv	99			70 (70)	130 (130)	
	4-Methyl-2-Pentanone	10	9.60	ppbv	96			40 (70)	160 (130)	
	Toluene	10	9.50	ppbv	95			70 (70)	130 (130)	
	t-1,3-Dichloropropene	10	9.50	ppbv	95			70 (70)	130 (130)	
	cis-1,3-Dichloropropene	10	9.70	ppbv	97			70 (70)	130 (130)	
	1,1,2-Trichloroethane	10	9.60	ppbv	96			70 (70)	130 (130)	
	Dibromochloromethane	10	10.0	ppbv	100			70 (70)	130 (130)	
	1,2-Dibromoethane	10	9.70	ppbv	97			70 (70)	130 (130)	
	Tetrachloroethene	10	8.70	ppbv	87			70 (70)	130 (130)	
	Chlorobenzene	10	9.40	ppbv	94			70 (70)	130 (130)	
	Ethyl Benzene	10	9.50	ppbv	95			70 (70)	130 (130)	
	m/p-Xylene	20	18.9	ppbv	95			70 (70)	130 (130)	
	o-Xylene	10	9.40	ppbv	94			70 (70)	130 (130)	
	Styrene	10	9.60	ppbv	96			70 (70)	130 (130)	
	Bromoform	10	9.80	ppbv	98			70 (70)	130 (130)	
	1,1,2,2-Tetrachloroethane	10	8.90	ppbv	89			70 (70)	130 (130)	
	2-Chlorotoluene	10	9.30	ppbv	93			70 (70)	130 (130)	
	1,3,5-Trimethylbenzene	10	9.50	ppbv	95			70 (70)	130 (130)	
	1,2,4-Trimethylbenzene	10	9.30	ppbv	93			70 (70)	130 (130)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3132</u>	Analytical Method:	<u>SWTO-15</u>
Client:	<u>RTP Environmental</u>	Datafile :	<u>VL042959.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL0922ABS01	1,3-Dichlorobenzene	10	9.30	ppbv	93			70 (70)	130 (130)	
	1,4-Dichlorobenzene	10	9.40	ppbv	94			70 (70)	130 (130)	
	1,2-Dichlorobenzene	10	9.30	ppbv	93			70 (70)	130 (130)	
	1,2,4-Trichlorobenzene	10	10.0	ppbv	100			70 (70)	130 (130)	
	Hexachloro-1,3-butadiene	10	8.40	ppbv	84			70 (70)	130 (130)	
	Naphthalene	10	10.3	ppbv	103			40 (70)	160 (130)	
	1,3-Butadiene	10	8.10	ppbv	81			70 (70)	130 (130)	
	4-Ethyltoluene	10	9.30	ppbv	93			70 (70)	130 (130)	
	Hexane	10	9.10	ppbv	91			70 (70)	130 (130)	
	Allyl Chloride	10	9.00	ppbv	90			70 (70)	130 (130)	
	1,4-Dioxane	10	9.30	ppbv	93			40 (70)	160 (130)	
	Methyl methacrylate	10	9.30	ppbv	93			70 (70)	130 (130)	

Duplicate Sample Summary

Lab Sample Id :	Q3130-02DUP	Q3130-02
Client Id :	131-1A-2DUP	131-1A-2
DF :	1	1
Datafile :	VL042970.D	VL042969.D
Anal Date & Time :	09/22/2025 22:48	09/22/2025 22:11

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
1,1,2,2-Tetrachloroethane	0	0	0
1,1,2-Trichloroethane	0	0	0
1,1,2-Trichlorotrifluoroethane	0	0	0
1,1-Dichloroethane	0	0	0
1,1-Dichloroethene	0	0	0
1,2,4-Trichlorobenzene	0	0	0
1,2,4-Trimethylbenzene	0	0	0
1,2-Dibromoethane	0	0	0
1,2-Dichlorobenzene	0	0	0
1,2-Dichloroethane	0.15	0.11	30.8 *
1,2-Dichloropropane	0	0	0
1,3,5-Trimethylbenzene	0	0	0
1,3-Butadiene	0	0	0
1,3-Dichlorobenzene	0	0	0
1,4-Dichlorobenzene	0	0	0
1,4-Dioxane	0	0	0
2,2,4-Trimethylpentane	0	0	0
2-Butanone	0.37	0.41	10.3
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0	0	0
Acetone	6.2	6.3	1.6
Allyl Chloride	0	0	0
Benzene	0.18	0.17	5.7
Bromodichloromethane	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0	0	0
Carbon Tetrachloride	0.07	0.06	15.4

Duplicate Sample Summary

Lab Sample Id :	Q3130-02DUP	Q3130-02
Client Id :	131-1A-2DUP	131-1A-2
DF :	1	1
Datafile :	VL042970.D	VL042969.D
Anal Date & Time :	09/22/2025 22:48	09/22/2025 22:11

Parameter	Result	Result	RPD
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0	0	0
Chloromethane	0.41	0.42	2.4
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.43	0.46	6.7
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0	0	0
Heptane	0	0	0
Hexachloro-1,3-Butadiene	0	0	0
Hexane	2.4	2.4	0
m/p-Xylene	0	0	0
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	2	2.1	4.9
Naphthalene	0.14	0.15	6.9
o-Xylene	0	0	0
Styrene	0	0	0
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	0.2	0.17	16.2
Tetrachloroethene	0	0.03	200 *
Tetrahydrofuran	0	0	0
Toluene	0.38	0.37	2.7
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.23	0.22	4.4
Vinyl Chloride	0	0	0

VOLATILE METHOD BLANK SUMMARY

Client ID

VL0922ABL01

Lab Name: Alliance

Contract: RTPE01

Lab Code: ACE

SDG NO.: Q3132

Lab File ID: VL042958.D

Lab Sample ID: VL0922ABL01

Date Analyzed: 09/22/2025

Time Analyzed: 15:06

GC Column: RTX-1 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VL0922ABS01	VL0922ABS01	VL042959.D	09/22/2025
131-1A-2DUP	Q3130-02DUP	VL042970.D	09/22/2025
151-1A-1	Q3132-01	VL042978.D	09/23/2025
151-1A-1DL	Q3132-01DL	VL042979.D	09/23/2025
151-1A-2	Q3132-02	VL042980.D	09/23/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VL042949.D
Instrument ID: MSVOA_L
GC Column: RTX-1 ID: 0.32 (mm)

Contract: RTPE01
SDG NO.: Q3132
BFB Injection Date: 09/22/2025
BFB Injection Time: 08:55
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.5
75	30.0 - 66.0% of mass 95	54.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	66.2
175	4.0 - 9.0% of mass 174	4.9 (7.4) 1
176	93.0 - 101.0% of mass 174	64 (96.6) 1
177	5.0 - 9.0% of mass 176	4.2 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL042950.D	09/22/2025	09:39
VSTDICCC002	VSTDICCC002	VL042951.D	09/22/2025	10:14
VSTDICCC001	VSTDICCC001	VL042952.D	09/22/2025	10:48
VSTDICCC0.5	VSTDICCC0.5	VL042953.D	09/22/2025	11:22
VSTDICCC0.1	VSTDICCC0.1	VL042954.D	09/22/2025	11:56
VSTDICCC0.03	VSTDICCC0.03	VL042955.D	09/22/2025	12:30
VSTDICCC015	VSTDICCC015	VL042956.D	09/22/2025	13:05
VL0922ABL01	VL0922ABL01	VL042958.D	09/22/2025	15:06
VL0922ABS01	VL0922ABS01	VL042959.D	09/22/2025	15:52
131-1A-2DUP	Q3130-02DUP	VL042970.D	09/22/2025	22:48
151-1A-1	Q3132-01	VL042978.D	09/23/2025	03:33
151-1A-1DL	Q3132-01DL	VL042979.D	09/23/2025	04:08
151-1A-2	Q3132-02	VL042980.D	09/23/2025	04:44

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: RTPE01
Lab Code: ACE SDG NO.: Q3132
Lab File ID: VL042950.D Date Analyzed: 09/22/2025
Instrument ID: MSVOA_L Time Analyzed: 09:39
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	170899	2.78	526679	3.95	486724	8.88
UPPER LIMIT	239259	3.11	737351	4.28	681414	9.21
LOWER LIMIT	102539	2.45	316007	3.62	292034	8.55
EPA SAMPLE NO.						
131-1A-2DUP	146991	2.79	437140	3.96	389571	8.88
151-1A-1	147886	2.79	425027	3.96	381413	8.89
151-1A-1DL	150287	2.79	424605	3.97	372157	8.89
151-1A-2	144544	2.79	414049	3.96	363422	8.89
VL0922ABL01	157278	2.79	497068	3.96	444461	8.88
VL0922ABS01	157611	2.79	475789	3.96	440323	8.88

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	CHADWICK SQUARE	Date Received:	
Client Sample ID:	VL0922ABL01	SDG No.:	Q3132
Lab Sample ID:	VL0922ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042958.D	1		09/22/25 15:06	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.11	0.54	U	0.54	2.47
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47
75-69-4	Trichlorofluoromethane	0.17	0.96	U	0.96	2.81
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52
142-82-5	Heptane	0.17	0.70	U	0.70	2.05
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98
67-64-1	Acetone	0.18	0.43	U	0.43	1.19
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80
75-09-2	Methylene Chloride	0.23	0.80	U	0.80	1.74
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72
78-93-3	2-Butanone	0.060	0.18	U	0.18	1.47
56-23-5	Carbon Tetrachloride	0.030	0.19	U	0.19	0.19
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98
67-66-3	Chloroform	0.10	0.49	U	0.49	2.44
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34
71-43-2	Benzene	0.080	0.26	U	0.26	1.60
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05
108-88-3	Toluene	0.16	0.60	U	0.60	1.88
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	CHADWICK SQUARE	Date Received:	
Client Sample ID:	VL0922ABL01	SDG No.:	Q3132
Lab Sample ID:	VL0922ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042958.D	1		09/22/25 15:06	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17
100-42-5	Styrene	0.16	0.68	U	0.68	2.13
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46
110-54-3	Hexane	0.16	0.56	U	0.56	1.76
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	10.0			70 (65) - 130 (135)	100% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	157000		2.787		
540-36-3	1,4-Difluorobenzene	497000		3.959		
3114-55-4	Chlorobenzene-d5	444000		8.882		

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	CHADWICK SQUARE	Date Received:	
Client Sample ID:	VL0922ABL01	SDG No.:	Q3132
Lab Sample ID:	VL0922ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042958.D	1		09/22/25 15:06	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	CHADWICK SQUARE	Date Received:	
Client Sample ID:	VL0922ABS01	SDG No.:	Q3132
Lab Sample ID:	VL0922ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042959.D	1		09/22/25 15:52	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	9.30	46.0		0.54	2.47
74-87-3	Chloromethane	8.70	18.0		0.21	1.03
75-01-4	Vinyl Chloride	8.40	21.5		0.080	0.080
74-83-9	Bromomethane	8.30	32.2		0.31	1.94
75-00-3	Chloroethane	8.80	23.2		0.40	1.32
109-99-9	Tetrahydrofuran	9.30	27.4		0.24	1.47
75-69-4	Trichlorofluoromethane	9.10	51.1		0.96	2.81
76-13-1	1,1,2-Trichlorotrifluoroethane	9.00	69.0		1.07	3.83
76-14-2	Dichlorotetrafluoroethane	9.00	62.9		1.05	3.49
75-65-0	tert-Butyl alcohol	9.00	27.3		0.49	1.52
142-82-5	Heptane	9.00	36.9		0.70	2.05
75-35-4	1,1-Dichloroethene	9.00	35.7		0.59	1.98
67-64-1	Acetone	7.40	17.6		0.43	1.19
75-15-0	Carbon Disulfide	8.80	27.4		0.25	1.56
1634-04-4	Methyl tert-Butyl Ether	7.80	28.1		0.83	1.80
75-09-2	Methylene Chloride	9.80	34.0		0.80	1.74
156-60-5	trans-1,2-Dichloroethene	8.90	35.3		0.48	1.98
75-34-3	1,1-Dichloroethane	9.00	36.4		0.53	2.02
110-82-7	Cyclohexane	9.30	32.0		0.76	1.72
78-93-3	2-Butanone	9.20	27.1		0.18	1.47
56-23-5	Carbon Tetrachloride	9.70	61.0		0.19	0.19
156-59-2	cis-1,2-Dichloroethene	9.30	36.9		0.40	1.98
67-66-3	Chloroform	9.50	46.4		0.49	2.44
71-55-6	1,1,1-Trichloroethane	9.00	49.1		0.11	0.16
540-84-1	2,2,4-Trimethylpentane	9.40	43.9		0.65	2.34
71-43-2	Benzene	9.60	30.7		0.26	1.60
107-06-2	1,2-Dichloroethane	9.90	40.1		0.36	2.02
79-01-6	Trichloroethene	9.20	49.4		0.11	0.16
78-87-5	1,2-Dichloropropane	9.70	44.8		0.60	2.31
75-27-4	Bromodichloromethane	9.90	66.3		0.40	3.35
108-10-1	4-Methyl-2-Pentanone	9.60	39.3		0.41	2.05
108-88-3	Toluene	9.50	35.8		0.60	1.88
10061-02-6	t-1,3-Dichloropropene	9.50	43.1		0.68	2.27
10061-01-5	cis-1,3-Dichloropropene	9.70	44.0		0.50	2.27
79-00-5	1,1,2-Trichloroethane	9.60	52.4		0.44	2.73

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	CHADWICK SQUARE	Date Received:	
Client Sample ID:	VL0922ABS01	SDG No.:	Q3132
Lab Sample ID:	VL0922ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042959.D	1		09/22/25 15:52	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	10.0	85.2		0.77	4.26
106-93-4	1,2-Dibromoethane	9.70	74.5		0.69	0.77
127-18-4	Tetrachloroethene	8.70	59.0		0.14	0.20
108-90-7	Chlorobenzene	9.40	43.3		0.37	2.30
100-41-4	Ethyl Benzene	9.50	41.3		0.83	2.17
179601-23-1	m/p-Xylene	18.9	82.1		1.78	4.34
95-47-6	o-Xylene	9.40	40.8		0.91	2.17
100-42-5	Styrene	9.60	40.9		0.68	2.13
75-25-2	Bromoform	9.80	101		0.52	5.17
79-34-5	1,1,2,2-Tetrachloroethane	8.90	61.1		0.14	0.21
95-49-8	2-Chlorotoluene	9.30	48.1		0.88	2.59
108-67-8	1,3,5-Trimethylbenzene	9.50	46.7		0.88	2.46
95-63-6	1,2,4-Trimethylbenzene	9.30	45.7		0.88	2.46
541-73-1	1,3-Dichlorobenzene	9.30	55.9		0.30	3.01
106-46-7	1,4-Dichlorobenzene	9.40	56.5		0.78	3.01
95-50-1	1,2-Dichlorobenzene	9.30	55.9		0.78	3.01
120-82-1	1,2,4-Trichlorobenzene	10.0	74.2		1.56	3.71
87-68-3	Hexachloro-1,3-Butadiene	8.40	89.6		1.39	5.33
106-99-0	1,3-Butadiene	8.10	17.9		0.11	1.11
91-20-3	Naphthalene	10.3	54.0		0.050	0.52
622-96-8	4-Ethyltoluene	9.30	45.7		1.03	2.46
110-54-3	Hexane	9.10	32.1		0.56	1.76
107-05-1	Allyl Chloride	9.00	28.2		0.34	1.57
123-91-1	1,4-Dioxane	9.30	33.5		0.79	1.80
80-62-6	Methyl Methacrylate	9.30	38.1		0.57	2.05
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	10.0			70 (65) - 130 (135)	100% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	158000		2.787		
540-36-3	1,4-Difluorobenzene	476000		3.959		
3114-55-4	Chlorobenzene-d5	440000		8.882		

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	CHADWICK SQUARE	Date Received:	
Client Sample ID:	VL0922ABS01	SDG No.:	Q3132
Lab Sample ID:	VL0922ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042959.D	1		09/22/25 15:52	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	CHADWICK SQUARE	Date Received:	
Client Sample ID:	131-1A-2DUP	SDG No.:	Q3132
Lab Sample ID:	Q3130-02DUP	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042970.D	1		09/22/25 22:48	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
TARGETS						
75-71-8	Dichlorodifluoromethane	0.43	2.13	J	0.54	2.47
74-87-3	Chloromethane	0.41	0.85	J	0.21	1.03
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47
75-69-4	Trichlorofluoromethane	0.23	1.29	J	0.96	2.81
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49
75-65-0	tert-Butyl alcohol	0.20	0.61	J	0.49	1.52
142-82-5	Heptane	0.17	0.70	U	0.70	2.05
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98
67-64-1	Acetone	6.20	14.7		0.43	1.19
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80
75-09-2	Methylene Chloride	2.00	6.95		0.80	1.74
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72
78-93-3	2-Butanone	0.37	1.09	J	0.18	1.47
56-23-5	Carbon Tetrachloride	0.070	0.44		0.19	0.19
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98
67-66-3	Chloroform	0.10	0.49	U	0.49	2.44
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34
71-43-2	Benzene	0.18	0.58	J	0.26	1.60
107-06-2	1,2-Dichloroethane	0.15	0.61	J	0.36	2.02
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05
108-88-3	Toluene	0.38	1.43	J	0.60	1.88
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	CHADWICK SQUARE	Date Received:	
Client Sample ID:	131-1A-2DUP	SDG No.:	Q3132
Lab Sample ID:	Q3130-02DUP	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042970.D	1		09/22/25 22:48	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL ug/m3	LOQ / CRQL ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17
100-42-5	Styrene	0.16	0.68	U	0.68	2.13
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11
91-20-3	Naphthalene	0.14	0.73		0.050	0.52
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46
110-54-3	Hexane	2.40	8.46		0.56	1.76
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05
SURROGATES						
460-00-4	1-Bromo-4-Fluorobenzene	10.2			70 (65) - 130 (135)	102% SPK: 10
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	147000		2.787		
540-36-3	1,4-Difluorobenzene	437000		3.959		
3114-55-4	Chlorobenzene-d5	390000		8.882		

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	CHADWICK SQUARE	Date Received:	
Client Sample ID:	131-1A-2DUP	SDG No.:	Q3132
Lab Sample ID:	Q3130-02DUP	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042970.D	1		09/22/25 22:48	VL092225

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL
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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



CALIBRATION SUMMARY

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\

Method File : VL092225AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

Last Update : Tue Sep 23 02:39:16 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL042955.D 0.1 =VL042954.D 0.5 =VL042953.D 1 =VL042952.D 2 =VL042951.D 10 =VL042950.D 15 =VL042956.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.391	1.452	1.401	1.248	1.232	1.345	7.33
3) Chlorodifluoro...			1.782	1.821	1.710	1.574	1.494	1.676	8.27
4) Chloromethane			0.693	0.622	0.624	0.560	0.545	0.609	9.66
5) T Vinyl Chloride	0.729	0.562	0.529	0.567	0.524	0.470	0.472	0.550	15.95
6) T Bromomethane			0.224	0.215	0.200	0.166	0.167	0.194	13.76
7) Chloroethane			0.234	0.238	0.212	0.196	0.189	0.214	10.33
8) T Dichlorotetra...			1.227	1.239	1.180	1.047	1.047	1.148	8.24
9) T Propene			0.784	0.787	0.762	0.684	0.631	0.729	9.47
10) T Heptane			2.102	2.060	1.961	1.870	1.738	1.946	7.57
11) T Trichlorofluor...			1.354	1.376	1.346	1.199	1.210	1.297	6.58
12) T 1,1,2-Trichlor...			1.130	1.117	1.068	0.963	0.973	1.050	7.48
13) Ethanol			0.076	0.090	0.088	0.053	0.047	0.071	27.75
14) T Bromoethene			0.430	0.417	0.415	0.362	0.362	0.397	8.23
15) T Acetone			1.490	1.552	1.475	0.993	1.002	1.302	21.48
16) T 1,3-Butadiene			0.751	0.675	0.607	0.520	0.519	0.614	16.41
17) tert-Butyl alc...			1.587	1.544	1.398	1.351	1.262	1.429	9.47
18) T 1,1-Dichloroet...			0.549	0.503	0.485	0.446	0.447	0.486	8.86
19) T Isopropyl Alcohol			0.898	0.813	0.818	0.718	0.667	0.783	11.61
20) T Methylene Chlo...			0.832	0.617	0.510	0.388	0.380	0.545	34.40
21) T Allyl Chloride			0.904	0.971	0.966	0.857	0.837	0.907	6.72
22) T trans-1,2-Dich...			0.589	0.612	0.556	0.507	0.499	0.552	8.98
23) T Vinyl Acetate			2.208	1.897	1.888	1.594	1.716	1.861	12.45
24) T 1,1-Dichloroet...			1.147	1.172	1.109	0.993	0.996	1.083	7.76
25) T Ethyl Acetate			3.405	3.494	3.443	3.153	2.966	3.292	6.83
26) T Hexane			1.621	1.614	1.553	1.398	1.317	1.501	9.08
27) T Carbon Disulfide			1.395	1.436	1.396	1.271	1.232	1.346	6.59
28) T Methyl tert-Bu...			0.953	0.773	0.742	0.638	0.794	0.780	14.61
29) T Chloroform			2.078	2.042	2.038	1.848	1.804	1.962	6.42
30) T Cyclohexane			1.312	1.333	1.280	1.193	1.154	1.255	6.19
31) T cis-1,2-Dichlo...			1.443	1.464	1.465	1.357	1.300	1.406	5.26
32) T 1,1,1-Trichlor...	2.724	2.087	2.017	2.164	2.071	1.902	1.868	2.119	13.51

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.744	0.731	0.741	0.655	0.633	0.701	7.52
35) T Carbon Tetrach...	0.734	0.616	0.660	0.665	0.657	0.610	0.617	0.651	6.63
36) T Benzene			0.974	0.970	0.972	0.898	0.881	0.939	4.84
37) T 1,2-Dichloroet...			0.502	0.517	0.507	0.470	0.473	0.494	4.28
38) T Trichloroethene	0.527	0.495	0.481	0.467	0.452	0.426	0.419	0.467	8.20
39) T 1,2-Dichloropr...			0.344	0.361	0.356	0.327	0.325	0.343	4.85

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\										
Method File : VL092225AIR.M										
40)	T	1,4-Dioxane		0.173	0.172	0.163	0.148	0.141	0.159	8.95
41)	T	Tetrahydrofuran		0.427	0.407	0.419	0.389	0.372	0.403	5.57
42)	T	Bromodichlorom...		0.689	0.699	0.702	0.681	0.667	0.688	2.07
43)		Methyl Methacr...		0.406	0.396	0.396	0.368	0.355	0.384	5.61
44)	T	2,2,4-Trimethy...		1.705	1.660	1.690	1.563	1.492	1.622	5.64
45)	T	t-1,3-Dichloro...		0.403	0.414	0.421	0.409	0.402	0.410	1.99
46)	T	cis-1,3-Dichlo...		0.522	0.528	0.537	0.523	0.501	0.522	2.55
47)	T	1,1,2-Trichlor...		0.382	0.377	0.371	0.344	0.336	0.362	5.70
48)	T	Dibromochlorom...		0.572	0.586	0.600	0.571	0.568	0.580	2.36
49)	T	Bromoform		0.477	0.507	0.534	0.508	0.495	0.504	4.18
50)	T	4-Methyl-2-Pen...		0.928	0.949	0.988	0.934	0.897	0.939	3.51
51)	T	2-Hexanone		0.719	0.774	0.769	0.751	0.730	0.749	3.19
52)	T	Tetrachloroethene	0.436 0.404	0.356	0.355	0.351	0.325	0.315	0.363	11.76
53)	T	Toluene		1.155	1.137	1.156	1.078	1.031	1.111	4.95
54)	T	1,2-Dibromoethane	0.520	0.520	0.520	0.525	0.490	0.485	0.510	3.47
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.497	0.486	0.505	0.458	0.447	0.479	5.28
57)	T	Chlorobenzene		0.968	0.978	0.944	0.853	0.822	0.913	7.75
58)	T	Ethyl Benzene		1.657	1.715	1.737	1.570	1.531	1.642	5.45
59)	T	m/p-Xylene		1.332	1.365	1.361	1.225	1.190	1.295	6.29
60)	T	o-Xylene		1.335	1.379	1.359	1.221	1.176	1.294	6.96
61)	T	Styrene		0.605	0.619	0.648	0.602	0.585	0.612	3.89
62)		Isopropylbenzene		2.010	2.059	2.028	1.803	1.744	1.929	7.49
63)	T	1,1,2,2-Tetrac...	0.806 0.722	0.688	0.675	0.673	0.610	0.586	0.680	10.66
64)		n-propylbenzene		0.531	0.529	0.523	0.473	0.463	0.504	6.51
65)		tert-Butylbenzene		1.836	1.839	1.842	1.557	1.503	1.715	9.91
66)	T	Benzyl Chloride		0.170	0.173	0.196	0.195	0.165	0.180	8.14
67)		sec-Butylbenzene		2.508	2.559	2.579	2.191	2.115	2.390	9.19
68)	S	1-Bromo-4-Fluo...	0.736 0.738	0.749	0.743	0.747	0.763	0.750	0.746	1.20
69)		p-Isopropyltol...		2.105	2.168	2.179	1.856	1.788	2.019	9.11
70)		n-Butylbenzene		1.929	2.108	2.136	1.881	1.803	1.971	7.36
71)		2-Chlorotoluene		1.543	1.504	1.528	1.373	1.333	1.456	6.61
72)	T	4-Ethyltoluene		1.715	1.686	1.703	1.523	1.476	1.621	6.92
73)	T	1,3,5-Trimethy...		1.333	1.346	1.399	1.263	1.231	1.314	5.12
74)	T	1,2,4-Trimethy...		1.534	1.522	1.558	1.349	1.294	1.451	8.34
75)	T	1,3-Dichlorobe...		0.918	0.954	0.956	0.845	0.827	0.900	6.72
76)	T	1,4-Dichlorobe...		0.922	0.914	0.959	0.845	0.829	0.894	6.12
77)	T	1,2-Dichlorobe...		0.874	0.914	0.918	0.796	0.780	0.856	7.61
78)	T	Hexachloro-1,3...		0.755	0.742	0.728	0.575	0.549	0.670	14.79
79)	T	Naphthalene	1.093	1.102	1.320	1.474	1.373	1.339	1.283	11.96
80)	T	Naphthalene,2-...		0.384	0.365	0.428	0.402	0.404	0.396	5.94
81)	T	1,2,4-Trichlor...		0.557	0.691	0.777	0.718	0.689	0.686	11.73

(#) = Out of Range