

LAB CHRONICLE

OrderID:	Q2359	OrderDate:	6/18/2025 2:24:00 PM
Client:	Water Resource Technologies, Inc.	Project:	Air - TO-15
Contact:	Bob Okken	Location:	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2359-01	SS-1	Air	TO-15	TO-15	06/17/25		06/19/25	06/19/25
Q2359-01DL	SS-1DL	Air	TO-15	TO-15	06/17/25		06/19/25	06/19/25

Hit Summary Sheet
SW-846

SDG No.: Q2359

Client: Water Resource Technologies, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	SS-1							
Q2359-01	SS-1	Air	Dichlorodifluoromethane	2.87		0.54	2.47	ug/m3
Q2359-01	SS-1	Air	Chloromethane	4.96		0.21	1.03	ug/m3
Q2359-01	SS-1	Air	Vinyl Chloride	0.10		0.080	0.080	ug/m3
Q2359-01	SS-1	Air	Tetrahydrofuran	46.3	E	0.24	1.47	ug/m3
Q2359-01	SS-1	Air	Trichlorofluoromethane	1.40	J	0.96	2.81	ug/m3
Q2359-01	SS-1	Air	Heptane	8.20		0.70	2.05	ug/m3
Q2359-01	SS-1	Air	Acetone	70.1	E	0.43	1.19	ug/m3
Q2359-01	SS-1	Air	Methylene Chloride	11.8		0.80	1.74	ug/m3
Q2359-01	SS-1	Air	2-Butanone	8.55		0.18	1.47	ug/m3
Q2359-01	SS-1	Air	Carbon Tetrachloride	0.82		0.19	0.19	ug/m3
Q2359-01	SS-1	Air	cis-1,2-Dichloroethene	21.8		0.40	1.98	ug/m3
Q2359-01	SS-1	Air	Chloroform	1.32	J	0.49	2.44	ug/m3
Q2359-01	SS-1	Air	Benzene	1.82		0.26	1.60	ug/m3
Q2359-01	SS-1	Air	Toluene	3.28		0.60	1.88	ug/m3
Q2359-01	SS-1	Air	Ethyl Benzene	2.39		0.83	2.17	ug/m3
Q2359-01	SS-1	Air	m/p-Xylene	13.0		1.78	4.34	ug/m3
Q2359-01	SS-1	Air	o-Xylene	3.65		0.91	2.17	ug/m3
Q2359-01	SS-1	Air	1,3,5-Trimethylbenzene	0.93	J	0.88	2.46	ug/m3
Q2359-01	SS-1	Air	1,2,4-Trimethylbenzene	4.42		0.88	2.46	ug/m3
Q2359-01	SS-1	Air	Naphthalene	2.78		0.050	0.52	ug/m3
Q2359-01	SS-1	Air	Hexane	3.88		0.56	1.76	ug/m3
Total Voc :					214			
Total Concentration:					214			
Client ID:	SS-1DL							
Q2359-01DL	SS-1DL	Air	Chloromethane	7.23	JD	2.02	10.3	ug/m3
Q2359-01DL	SS-1DL	Air	Tetrahydrofuran	37.2	D	2.36	14.8	ug/m3
Q2359-01DL	SS-1DL	Air	Heptane	7.79	JD	6.97	20.5	ug/m3
Q2359-01DL	SS-1DL	Air	Acetone	77.2	D	4.28	11.9	ug/m3
Q2359-01DL	SS-1DL	Air	Methylene Chloride	18.8	D	7.99	17.4	ug/m3
Q2359-01DL	SS-1DL	Air	2-Butanone	8.55	JD	1.65	14.8	ug/m3
Q2359-01DL	SS-1DL	Air	cis-1,2-Dichloroethene	20.2	D	3.93	19.8	ug/m3
Total Voc :					177			
Total Concentration:					177			

Project : Air - TO-15

Field Id Number : SS-1

Laboratory Id Number : Q2359-01

Sampling Date : 06/17/25

Analysis Date : 06/19/25

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	0.58		2.87		
Chloromethane	74-87-3	50.49	2.4		4.96		
Vinyl Chloride	75-01-4	62.5	0.04		0.1		
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	15.7	E	46.3		
Trichlorofluoromethane	75-69-4	137.4	0.25	J	1.4		
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	2		8.2		
1,1-Dichloroethene	75-35-4	96.94	0.15	U	0.59		
Acetone	67-64-1	58.08	29.5	E	70.1		
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	3.4		11.8		
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	0.22	U	0.76		
2-Butanone	78-93-3	72.11	2.9		8.55		
Carbon Tetrachloride	56-23-5	153.8	0.13		0.82		
cis-1,2-Dichloroethene	156-59-2	96.94	5.5		21.8		
Chloroform	67-66-3	119.4	0.27	J	1.32		
1,1,1-Trichloroethane	71-55-6	133.4	0.02	U	0.11		
2,2,4-Trimethylpentane	540-84-1	114.2	0.14	U	0.65		
Benzene	71-43-2	78.11	0.57		1.82		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
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	0.87		3.28		
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 : Air - TO-15

Sampling Date : 06/17/25

Field Id Number : SS-1

Analysis Date : 06/19/25

Laboratory Id Number : Q2359-01

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	0.02	U	0.14		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.55		2.39		
m/p-Xylene	179601-23-1	106.2	3		13.0		
o-Xylene	95-47-6	106.2	0.84		3.65		
Styrene	100-42-5	104.1	0.16	U	0.68		
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	0.19	J	0.93		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.9		4.42		
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	0.53		2.78		
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	1.1		3.88		
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 : Air - TO-15

Sampling Date : 06/17/25

Field Id Number : SS-1DL

Analysis Date : 06/19/25

Laboratory Id Number : Q2359-01DL

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	3.5	JD	7.23		
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	12.6	D	37.2		
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	1.9	JD	7.79		
1,1-Dichloroethene	75-35-4	96.94	1.5	UD	5.95		
Acetone	67-64-1	58.08	32.5	D	77.2		
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	5.4	D	18.8		
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	2.9	JD	8.55		
Carbon Tetrachloride	56-23-5	153.8	0.25	UD	1.57		
cis-1,2-Dichloroethene	156-59-2	96.94	5.1	D	20.2		
Chloroform	67-66-3	119.4	0.96	UD	4.69		
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	1.6	UD	6.03		
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 : Air - TO-15

Sampling Date : 06/17/25

Field Id Number : SS-1DL

Analysis Date : 06/19/25

Laboratory Id Number : Q2359-01DL

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	1.6	UD	5.64		
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		

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		0.06164414
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

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



SAMPLE DATA

Report of Analysis

Client:	Water Resource Technologies, Inc.	Date Collected:	06/17/25
Project:	Air - TO-15	Date Received:	06/19/25
Client Sample ID:	SS-1	SDG No.:	Q2359
Lab Sample ID:	Q2359-01	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
VL042651.D	1		06/19/25 11:58	VL061925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.58	2.87		0.54	2.47	ug/m3
74-87-3	Chloromethane	2.40	4.96		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.040	0.10		0.080	0.080	ug/m3
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94	ug/m3
75-00-3	Chloroethane	0.15	0.40	U	0.40	1.32	ug/m3
109-99-9	Tetrahydrofuran	15.7	46.3	E	0.24	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.25	1.40	J	0.96	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52	ug/m3
142-82-5	Heptane	2.00	8.20		0.70	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98	ug/m3
67-64-1	Acetone	29.5	70.1	E	0.43	1.19	ug/m3
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80	ug/m3
75-09-2	Methylene Chloride	3.40	11.8		0.80	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	2.90	8.55		0.18	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.13	0.82		0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	5.50	21.8		0.40	1.98	ug/m3
67-66-3	Chloroform	0.27	1.32	J	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34	ug/m3
71-43-2	Benzene	0.57	1.82		0.26	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31	ug/m3
75-27-4	Bromodichloromethane	0.060	0.40	U	0.40	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05	ug/m3
108-88-3	Toluene	0.87	3.28		0.60	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73	ug/m3

Report of Analysis

Client:	Water Resource Technologies, Inc.	Date Collected:	06/17/25
Project:	Air - TO-15	Date Received:	06/19/25
Client Sample ID:	SS-1	SDG No.:	Q2359
Lab Sample ID:	Q2359-01	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
VL042651.D	1		06/19/25 11:58	VL061925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.55	2.39		0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	3.00	13.0		1.78	4.34	ug/m3
95-47-6	o-Xylene	0.84	3.65		0.91	2.17	ug/m3
100-42-5	Styrene	0.16	0.68	U	0.68	2.13	ug/m3
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.19	0.93	J	0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.90	4.42		0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11	ug/m3
91-20-3	Naphthalene	0.53	2.78		0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46	ug/m3
110-54-3	Hexane	1.10	3.88		0.56	1.76	ug/m3
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.8			65 - 135	108%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	117000		2.803			
540-36-3	1,4-Difluorobenzene	292000		3.978			
3114-55-4	Chlorobenzene-d5	254000		8.898			

Report of Analysis

Client:	Water Resource Technologies, Inc.	Date Collected:	06/17/25
Project:	Air - TO-15	Date Received:	06/19/25
Client Sample ID:	SS-1	SDG No.:	Q2359
Lab Sample ID:	Q2359-01	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
VL042651.D	1		06/19/25 11:58	VL061925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
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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:	Water Resource Technologies, Inc.	Date Collected:	06/17/25
Project:	Air - TO-15	Date Received:	06/19/25
Client Sample ID:	SS-1DL	SDG No.:	Q2359
Lab Sample ID:	Q2359-01DL	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
VL042650.D	10		06/19/25 11:09	VL061925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1.10	5.44	UD	5.44	24.7	ug/m3
74-87-3	Chloromethane	3.50	7.23	JD	2.02	10.3	ug/m3
75-01-4	Vinyl Chloride	0.25	0.64	UD	0.64	0.77	ug/m3
74-83-9	Bromomethane	0.77	2.99	UD	2.99	19.4	ug/m3
75-00-3	Chloroethane	1.50	3.96	UD	3.96	13.2	ug/m3
109-99-9	Tetrahydrofuran	12.6	37.2	D	2.36	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1.70	9.55	UD	9.55	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	10.7	UD	10.7	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	1.50	10.5	UD	10.5	35.0	ug/m3
75-65-0	tert-Butyl alcohol	1.60	4.85	UD	4.85	15.2	ug/m3
142-82-5	Heptane	1.90	7.79	JD	6.97	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1.50	5.95	UD	5.95	19.8	ug/m3
67-64-1	Acetone	32.5	77.2	D	4.28	11.9	ug/m3
75-15-0	Carbon Disulfide	0.80	2.49	UD	2.49	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	2.30	8.29	UD	8.29	18.0	ug/m3
75-09-2	Methylene Chloride	5.40	18.8	D	7.99	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1.20	4.76	UD	4.76	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1.30	5.26	UD	5.26	20.2	ug/m3
110-82-7	Cyclohexane	2.20	7.57	UD	7.57	17.2	ug/m3
78-93-3	2-Butanone	2.90	8.55	JD	1.65	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.25	1.57	UD	1.57	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	5.10	20.2	D	3.93	19.8	ug/m3
67-66-3	Chloroform	0.96	4.69	UD	4.69	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.16	0.87	UD	0.87	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1.40	6.54	UD	6.54	23.4	ug/m3
71-43-2	Benzene	0.79	2.52	UD	2.52	16.0	ug/m3
107-06-2	1,2-Dichloroethane	0.93	3.76	UD	3.76	20.2	ug/m3
79-01-6	Trichloroethene	0.24	1.29	UD	1.29	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1.30	6.01	UD	6.01	23.1	ug/m3
75-27-4	Bromodichloromethane	0.63	4.22	UD	4.22	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.97	3.98	UD	3.98	20.5	ug/m3
108-88-3	Toluene	1.60	6.03	UD	6.03	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	1.50	6.81	UD	6.81	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	1.10	4.99	UD	4.99	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	0.81	4.42	UD	4.42	27.3	ug/m3

Report of Analysis

Client:	Water Resource Technologies, Inc.	Date Collected:	06/17/25
Project:	Air - TO-15	Date Received:	06/19/25
Client Sample ID:	SS-1DL	SDG No.:	Q2359
Lab Sample ID:	Q2359-01DL	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
VL042650.D	10		06/19/25 11:09	VL061925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.85	7.24	UD	7.24	42.6	ug/m3
106-93-4	1,2-Dibromoethane	0.85	6.53	UD	6.53	7.69	ug/m3
127-18-4	Tetrachloroethene	0.15	1.02	UD	1.02	2.03	ug/m3
108-90-7	Chlorobenzene	0.77	3.55	UD	3.55	23.0	ug/m3
100-41-4	Ethyl Benzene	1.90	8.25	UD	8.25	21.7	ug/m3
179601-23-1	m/p-Xylene	4.10	17.8	UD	17.8	43.4	ug/m3
95-47-6	o-Xylene	2.10	9.12	UD	9.12	21.7	ug/m3
100-42-5	Styrene	1.60	6.81	UD	6.81	21.3	ug/m3
75-25-2	Bromoform	0.48	4.96	UD	4.96	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.18	1.24	UD	1.24	2.06	ug/m3
95-49-8	2-Chlorotoluene	1.70	8.80	UD	8.80	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1.80	8.85	UD	8.85	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1.80	8.85	UD	8.85	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	0.54	3.25	UD	3.25	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	1.30	7.82	UD	7.82	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	1.30	7.82	UD	7.82	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	2.10	15.6	UD	15.6	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	1.30	13.9	UD	13.9	53.3	ug/m3
106-99-0	1,3-Butadiene	0.51	1.13	UD	1.13	11.1	ug/m3
91-20-3	Naphthalene	0.13	0.68	UD	0.68	5.24	ug/m3
622-96-8	4-Ethyltoluene	2.10	10.3	UD	10.3	24.6	ug/m3
110-54-3	Hexane	1.60	5.64	UD	5.64	17.6	ug/m3
107-05-1	Allyl Chloride	1.10	3.44	UD	3.44	15.7	ug/m3
123-91-1	1,4-Dioxane	2.20	7.93	UD	7.93	18.0	ug/m3
80-62-6	Methyl Methacrylate	1.40	5.73	UD	5.73	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.1			65 - 135	101%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	115000		2.806			
540-36-3	1,4-Difluorobenzene	293000		3.981			
3114-55-4	Chlorobenzene-d5	247000		8.904			

Report of Analysis

Client:	Water Resource Technologies, Inc.	Date Collected:	06/17/25
Project:	Air - TO-15	Date Received:	06/19/25
Client Sample ID:	SS-1DL	SDG No.:	Q2359
Lab Sample ID:	Q2359-01DL	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
VL042650.D	10		06/19/25 11:09	VL061925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
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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.: Q2359

Client: Water Resource Technologies, Inc.

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2359-01	SS-1	1-Bromo-4-Fluorobenzene	10	10.8	108	65	135
Q2359-01DL	SS-1DL	1-Bromo-4-Fluorobenzene	10	10.1	101	65	135
Q2359-01DUP	SS-1DUP	1-Bromo-4-Fluorobenzene	10	10.4	104	65	135
VL0619ABL01	VL0619ABL01	1-Bromo-4-Fluorobenzene	10	10.2	102	65	135
VL0619ABS01	VL0619ABS01	1-Bromo-4-Fluorobenzene	10	10.6	106	65	135

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2359

Client: Water Resource Technologies, Inc.

Analytical Method: SWTO-15

Datafile : VL042649.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL0619ABS01	Dichlorodifluoromethane	10	10.7	ppbv	107			70	130	
	Chloromethane	10	10.1	ppbv	101			70	130	
	Vinyl Chloride	10	9.30	ppbv	93			70	130	
	Bromomethane	10	9.40	ppbv	94			70	130	
	Chloroethane	10	9.70	ppbv	97			70	130	
	Tetrahydrofuran	10	10.6	ppbv	106			70	130	
	Trichlorofluoromethane	10	12.1	ppbv	121			70	130	
	1,1,2-Trichlorotrifluoroethane	10	11.9	ppbv	119			70	130	
	Dichlorotetrafluoroethane	10	10.5	ppbv	105			70	130	
	tert-Butyl Alcohol	10	9.90	ppbv	99			70	130	
	Heptane	10	9.50	ppbv	95			70	130	
	1,1-Dichloroethene	10	10.9	ppbv	109			70	130	
	Acetone	10	9.10	ppbv	91			70	130	
	Carbon disulfide	10	10.8	ppbv	108			70	130	
	Methyl tert-butyl Ether	10	11.2	ppbv	112			70	130	
	Methylene Chloride	10	9.60	ppbv	96			70	130	
	trans-1,2-Dichloroethene	10	11.0	ppbv	110			70	130	
	1,1-Dichloroethane	10	10.8	ppbv	108			70	130	
	Cyclohexane	10	9.10	ppbv	91			70	130	
	2-Butanone	10	11.7	ppbv	117			70	130	
	Carbon Tetrachloride	10	12.0	ppbv	120			70	130	
	cis-1,2-Dichloroethene	10	9.70	ppbv	97			70	130	
	Chloroform	10	10.7	ppbv	107			70	130	
	1,1,1-Trichloroethane	10	10.0	ppbv	100			70	130	
	2,2,4-Trimethylpentane	10	11.1	ppbv	111			70	130	
	Benzene	10	10.8	ppbv	108			70	130	
	1,2-Dichloroethane	10	12.6	ppbv	126			70	130	
	Trichloroethene	10	10.2	ppbv	102			70	130	
	1,2-Dichloropropane	10	10.9	ppbv	109			70	130	
	Bromodichloromethane	10	12.3	ppbv	123			70	130	
	4-Methyl-2-Pentanone	10	11.0	ppbv	110			70	130	
	Toluene	10	10.5	ppbv	105			70	130	
	t-1,3-Dichloropropene	10	10.5	ppbv	105			70	130	
	cis-1,3-Dichloropropene	10	10.6	ppbv	106			70	130	
	1,1,2-Trichloroethane	10	11.5	ppbv	115			70	130	
	Dibromochloromethane	10	11.3	ppbv	113			70	130	
	1,2-Dibromoethane	10	11.2	ppbv	112			70	130	
	Tetrachloroethene	10	9.80	ppbv	98			70	130	
	Chlorobenzene	10	11.1	ppbv	111			70	130	
	Ethyl Benzene	10	11.1	ppbv	111			70	130	
	m/p-Xylene	20	23.2	ppbv	116			70	130	
	o-Xylene	10	11.7	ppbv	117			70	130	
	Styrene	10	10.3	ppbv	103			70	130	
	Bromoform	10	11.3	ppbv	113			70	130	
	1,1,2,2-Tetrachloroethane	10	11.7	ppbv	117			70	130	
	2-Chlorotoluene	10	11.3	ppbv	113			70	130	
	1,3,5-Trimethylbenzene	10	11.5	ppbv	115			70	130	
	1,2,4-Trimethylbenzene	10	11.6	ppbv	116			70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2359

Client: Water Resource Technologies, Inc.

Analytical Method: SWTO-15 **Datafile :** VL042649.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL0619ABS01	1,3-Dichlorobenzene	10	11.4	ppbv	114			70	130	
	1,4-Dichlorobenzene	10	11.5	ppbv	115			70	130	
	1,2-Dichlorobenzene	10	11.3	ppbv	113			70	130	
	1,2,4-Trichlorobenzene	10	10.7	ppbv	107			70	130	
	Hexachloro-1,3-butadiene	10	9.80	ppbv	98			70	130	
	Naphthalene	10	11.8	ppbv	118			70	130	
	1,3-Butadiene	10	9.20	ppbv	92			70	130	
	4-Ethyltoluene	10	11.6	ppbv	116			70	130	
	Hexane	10	9.40	ppbv	94			70	130	
	Allyl Chloride	10	10.0	ppbv	100			70	130	
	1,4-Dioxane	10	10.3	ppbv	103			70	130	
	Methyl methacrylate	10	10.4	ppbv	104			70	130	

Duplicate Sample Summary

Lab Sample Id :	Q2359-01DUP	Q2359-01
Client Id :	SS-1DUP	SS-1
DF :	1	1
Datafile :	VL042652.D	VL042651.D
Anal Date & Time :	06/19/2025 12:34	06/19/2025 11:58

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	0.9	0.9	0
1,2-Dibromoethane	0	0	0
1,2-Dichlorobenzene	0	0	0
1,2-Dichloroethane	0	0	0
1,2-Dichloropropane	0	0	0
1,3,5-Trimethylbenzene	0.19	0.19	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	2.9	2.9	0
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0	0	0
Acetone	31	29.5	5
Allyl Chloride	0	0	0
Benzene	0.58	0.57	1.7
Bromodichloromethane	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0	0	0
Carbon Tetrachloride	0.13	0.13	0

Duplicate Sample Summary

Lab Sample Id :	Q2359-01DUP	Q2359-01
Client Id :	SS-1DUP	SS-1
DF :	1	1
Datafile :	VL042652.D	VL042651.D
Anal Date & Time :	06/19/2025 12:34	06/19/2025 11:58

Parameter	Result	Result	RPD
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0.28	0.27	3.6
Chloromethane	2.6	2.4	8
cis-1,2-Dichloroethene	5.7	5.5	3.6
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.6	0.58	3.4
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0.55	0.55	0
Heptane	2.1	2	4.9
Hexachloro-1,3-Butadiene	0	0	0
Hexane	1.2	1.1	8.7
m/p-Xylene	3.1	3	3.3
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	3.6	3.4	5.7
Naphthalene	0.51	0.53	3.8
o-Xylene	0.87	0.84	3.5
Styrene	0	0	0
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	0	0	0
Tetrachloroethene	0	0	0
Tetrahydrofuran	15.5	15.7	1.3
Toluene	0.94	0.87	7.7
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.25	0.25	0
Vinyl Chloride	0.04	0.04	0

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0619ABL01

Lab Name: CHEMTECH

Contract: WATE03

Lab Code: CHEM Case No.: Q2359

SAS No.: Q2359 SDG NO.: Q2359

Lab File ID: VL042648.D

Lab Sample ID: VL0619ABL01

Date Analyzed: 06/19/2025

Time Analyzed: 09:42

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
VL0619ABS01	VL0619ABS01	VL042649.D	06/19/2025
SS-1DL	Q2359-01DL	VL042650.D	06/19/2025
SS-1	Q2359-01	VL042651.D	06/19/2025
SS-1DUP	Q2359-01DUP	VL042652.D	06/19/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WATE03
Lab Code: CHEM Case No.: Q2359 SAS No.: Q2359 SDG NO.: Q2359
Lab File ID: VL042578.D BFB Injection Date: 05/29/2025
Instrument ID: MSVOA_L BFB Injection Time: 08:05
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.4
75	30.0 - 66.0% of mass 95	53.5
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	67.2
175	4.0 - 9.0% of mass 174	5.2 (7.7) 1
176	93.0 - 101.0% of mass 174	63.6 (94.6) 1
177	5.0 - 9.0% of mass 176	4 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL042579.D	05/29/2025	11:09
VSTDICCC002	VSTDICCC002	VL042580.D	05/29/2025	11:43
VSTDICCC001	VSTDICCC001	VL042581.D	05/29/2025	12:15
VSTDICCC0.5	VSTDICCC0.5	VL042582.D	05/29/2025	12:47
VSTDICCC0.1	VSTDICCC0.1	VL042583.D	05/29/2025	13:19
VSTDICCC0.03	VSTDICCC0.03	VL042584.D	05/29/2025	13:51
VSTDICCC015	VSTDICCC015	VL042585.D	05/29/2025	14:24

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WATE03
Lab Code: CHEM Case No.: Q2359 SAS No.: Q2359 SDG NO.: Q2359
Lab File ID: VL042646.D BFB Injection Date: 06/19/2025
Instrument ID: MSVOA_L BFB Injection Time: 08:10
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.8
75	30.0 - 66.0% of mass 95	55.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.8 (1.3) 1
174	50.0 - 120.0% of mass 95	59.4
175	4.0 - 9.0% of mass 174	4 (6.7) 1
176	93.0 - 101.0% of mass 174	57.6 (97) 1
177	5.0 - 9.0% of mass 176	3.7 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL042647.D	06/19/2025	08:56
VL0619ABL01	VL0619ABL01	VL042648.D	06/19/2025	09:42
VL0619ABS01	VL0619ABS01	VL042649.D	06/19/2025	10:26
SS-1DL	Q2359-01DL	VL042650.D	06/19/2025	11:09
SS-1	Q2359-01	VL042651.D	06/19/2025	11:58
SS-1DUP	Q2359-01DUP	VL042652.D	06/19/2025	12:34

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WATE03
Lab Code: CHEM Case No.: Q2359 SAS No.: Q2359 SDG NO.: Q2359
Lab File ID: VL042647.D Date Analyzed: 06/19/2025
Instrument ID: MSVOA_L Time Analyzed: 08:56
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	105774	2.80	271342	3.98	241435	8.90
UPPER LIMIT	148084	3.13	379879	4.31	338009	9.23
LOWER LIMIT	63464.4	2.47	162805	3.65	144861	8.57
EPA SAMPLE NO.						
SS-1	116867	2.80	292359	3.98	253888	8.90
SS-1DL	114585	2.81	292670	3.98	247226	8.90
SS-1DUP	116053	2.80	302999	3.98	260992	8.90
VL0619ABL01	105000	2.80	273905	3.98	233634	8.90
VL0619ABS01	107593	2.80	277113	3.98	244062	8.90

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WATE03
 Lab Code: CHEM Case No.: Q2359 SAS No.: Q2359 SDG NO.: Q2359
 Lab File ID: VL042647.D Date Analyzed: 06/19/2025
 Instrument ID: MSVOA_L Time Analyzed: 08:56
 GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	0	0				
UPPER LIMIT	0					
LOWER LIMIT	0					
EPA SAMPLE NO.						
SS-1	0	0.00				
SS-1DL	0	0.00				
SS-1DUP	0	0.00				
VL0619ABL01	0	0.00				
VL0619ABS01	0	0.00				

IS4 =

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:	Water Resource Technologies, Inc.	Date Collected:	
Project:	Air - TO-15	Date Received:	
Client Sample ID:	VL0619ABL01	SDG No.:	Q2359
Lab Sample ID:	VL0619ABL01	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
VL042648.D	1		06/19/25 09:42	VL061925

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

Report of Analysis

Client:	Water Resource Technologies, Inc.	Date Collected:	
Project:	Air - TO-15	Date Received:	
Client Sample ID:	VL0619ABL01	SDG No.:	Q2359
Lab Sample ID:	VL0619ABL01	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
VL042648.D	1		06/19/25 09:42	VL061925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34	ug/m3
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17	ug/m3
100-42-5	Styrene	0.16	0.68	U	0.68	2.13	ug/m3
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11	ug/m3
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46	ug/m3
110-54-3	Hexane	0.16	0.56	U	0.56	1.76	ug/m3
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.2			65 - 135	102%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	105000		2.8			
540-36-3	1,4-Difluorobenzene	274000		3.978			
3114-55-4	Chlorobenzene-d5	234000		8.901			

Report of Analysis

Client:	Water Resource Technologies, Inc.	Date Collected:	
Project:	Air - TO-15	Date Received:	
Client Sample ID:	VL0619ABL01	SDG No.:	Q2359
Lab Sample ID:	VL0619ABL01	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
VL042648.D	1		06/19/25 09:42	VL061925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
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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:	Water Resource Technologies, Inc.	Date Collected:	
Project:	Air - TO-15	Date Received:	
Client Sample ID:	VL0619ABS01	SDG No.:	Q2359
Lab Sample ID:	VL0619ABS01	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
VL042649.D	1		06/19/25 10:26	VL061925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.7	52.9		0.54	2.47	ug/m3
74-87-3	Chloromethane	10.1	20.9		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	9.30	23.8		0.080	0.080	ug/m3
74-83-9	Bromomethane	9.40	36.5		0.31	1.94	ug/m3
75-00-3	Chloroethane	9.70	25.6		0.40	1.32	ug/m3
109-99-9	Tetrahydrofuran	10.6	31.3		0.24	1.47	ug/m3
75-69-4	Trichlorofluoromethane	12.1	68.0		0.96	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	11.9	91.2		1.07	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	10.5	73.4		1.05	3.49	ug/m3
75-65-0	tert-Butyl alcohol	9.90	30.0		0.49	1.52	ug/m3
142-82-5	Heptane	9.50	38.9		0.70	2.05	ug/m3
75-35-4	1,1-Dichloroethene	10.9	43.2		0.59	1.98	ug/m3
67-64-1	Acetone	9.10	21.6		0.43	1.19	ug/m3
75-15-0	Carbon Disulfide	10.8	33.6		0.25	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	11.2	40.4		0.83	1.80	ug/m3
75-09-2	Methylene Chloride	9.60	33.4		0.80	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	11.0	43.6		0.48	1.98	ug/m3
75-34-3	1,1-Dichloroethane	10.8	43.7		0.53	2.02	ug/m3
110-82-7	Cyclohexane	9.10	31.3		0.76	1.72	ug/m3
78-93-3	2-Butanone	11.7	34.5		0.18	1.47	ug/m3
56-23-5	Carbon Tetrachloride	12.0	75.5		0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.70	38.5		0.40	1.98	ug/m3
67-66-3	Chloroform	10.7	52.3		0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	10.0	54.6		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	11.1	51.9		0.65	2.34	ug/m3
71-43-2	Benzene	10.8	34.5		0.26	1.60	ug/m3
107-06-2	1,2-Dichloroethane	12.6	51.0		0.36	2.02	ug/m3
79-01-6	Trichloroethene	10.2	54.8		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	10.9	50.4		0.60	2.31	ug/m3
75-27-4	Bromodichloromethane	12.3	82.4		0.40	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	11.0	45.1		0.41	2.05	ug/m3
108-88-3	Toluene	10.5	39.6		0.60	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	10.5	47.7		0.68	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	10.6	48.1		0.50	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	11.5	62.7		0.44	2.73	ug/m3

Report of Analysis

Client:	Water Resource Technologies, Inc.	Date Collected:	
Project:	Air - TO-15	Date Received:	
Client Sample ID:	VL0619ABS01	SDG No.:	Q2359
Lab Sample ID:	VL0619ABS01	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
VL042649.D	1		06/19/25 10:26	VL061925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	11.3	96.3		0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	11.2	86.1		0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	9.80	66.5		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	11.1	51.1		0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	11.1	48.2		0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	23.2	101		1.78	4.34	ug/m3
95-47-6	o-Xylene	11.7	50.8		0.91	2.17	ug/m3
100-42-5	Styrene	10.3	43.9		0.68	2.13	ug/m3
75-25-2	Bromoform	11.3	117		0.52	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	11.7	80.3		0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	11.3	58.5		0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	11.5	56.5		0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	11.6	57.0		0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	11.4	68.5		0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	11.5	69.1		0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	11.3	67.9		0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	10.7	79.4		1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	9.80	105		1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	9.20	20.4		0.11	1.11	ug/m3
91-20-3	Naphthalene	11.8	61.9		0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	11.6	57.0		1.03	2.46	ug/m3
110-54-3	Hexane	9.40	33.1		0.56	1.76	ug/m3
107-05-1	Allyl Chloride	10.0	31.3		0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	10.3	37.1		0.79	1.80	ug/m3
80-62-6	Methyl Methacrylate	10.4	42.6		0.57	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135	106%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	108000		2.8			
540-36-3	1,4-Difluorobenzene	277000		3.975			
3114-55-4	Chlorobenzene-d5	244000		8.901			

Report of Analysis

Client:	Water Resource Technologies, Inc.	Date Collected:	
Project:	Air - TO-15	Date Received:	
Client Sample ID:	VL0619ABS01	SDG No.:	Q2359
Lab Sample ID:	VL0619ABS01	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
VL042649.D	1		06/19/25 10:26	VL061925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
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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 : VL052925AIR.M

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

Last Update : Fri May 30 02:01:56 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL042584.D 0.1 =VL042583.D 0.5 =VL042582.D 1 =VL042581.D 2 =VL042580.D 10 =VL042579.D 15 =VL042585.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.257	1.353	1.300	1.135	1.101	1.229	8.78
3) Chlorodifluoro...			1.881	1.861	1.826	1.475	1.420	1.693	13.32
4) Chloromethane			0.502	0.529	0.507	0.461	0.434	0.487	7.85
5) T Vinyl Chloride	0.675	0.465	0.529	0.487	0.468	0.437	0.409	0.496	17.69
6) T Bromomethane			0.310	0.251	0.230	0.216	0.200	0.241	17.69
7) Chloroethane			0.214	0.212	0.198	0.175	0.164	0.193	11.60
8) T Dichlorotetra...			1.099	1.098	1.075	0.948	0.900	1.024	9.11
9) T Propene			0.710	0.728	0.722	0.650	0.599	0.682	8.18
10) T Heptane			2.079	2.082	1.981	1.777	1.688	1.921	9.37
11) T Trichlorofluor...			1.193	1.209	1.202	1.071	1.043	1.144	6.98
12) T 1,1,2-Trichlor...			0.903	0.980	0.951	0.838	0.818	0.898	7.79
13) Ethanol			0.114	0.095	0.092	0.058	0.047	0.081	33.96
14) T Bromoethene			0.359	0.346	0.362	0.317	0.304	0.338	7.71
15) T Acetone			1.404	1.484	1.299	0.928	0.908	1.205	22.39
16) T 1,3-Butadiene			0.649	0.636	0.597	0.491	0.480	0.571	14.07
17) tert-Butyl alc...			1.337	1.334	1.279	1.237	1.088	1.255	8.14
18) T 1,1-Dichloroet...			0.451	0.451	0.437	0.377	0.364	0.416	10.11
19) T Isopropyl Alcohol			0.825	0.782	0.742	0.659	0.593	0.720	13.03
20) T Methylene Chlo...			0.473	0.457	0.418	0.326	0.314	0.398	18.57
21) T Allyl Chloride			0.924	0.921	0.866	0.789	0.749	0.850	9.22
22) T trans-1,2-Dich...			0.496	0.517	0.466	0.427	0.418	0.465	9.21
23) T Vinyl Acetate			1.750	1.663	1.686	1.458	1.584	1.628	6.89
24) T 1,1-Dichloroet...			0.996	1.046	1.004	0.903	0.833	0.957	9.03
25) T Ethyl Acetate			3.496	3.585	3.412	3.054	2.934	3.296	8.67
26) T Hexane			1.690	1.638	1.526	1.350	1.286	1.498	11.76
27) T Carbon Disulfide			1.174	1.267	1.198	1.069	1.040	1.150	8.16
28) T Methyl tert-Bu...			0.664	0.693	0.621	0.550	0.511	0.608	12.59
29) T Chloroform			2.099	2.120	2.034	1.755	1.731	1.948	9.74
30) T Cyclohexane			1.318	1.363	1.288	1.146	1.092	1.242	9.38
31) T cis-1,2-Dichlo...			1.419	1.461	1.465	1.271	1.235	1.370	7.96
32) T 1,1,1-Trichlor...	2.207	2.083	2.004	2.043	2.029	1.794	1.771	1.990	7.86

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.760	0.754	0.746	0.655	0.651	0.713	7.71
35) T Carbon Tetrach...	0.681	0.706	0.665	0.684	0.670	0.603	0.612	0.660	5.82
36) T Benzene			1.051	1.052	1.027	0.900	0.894	0.985	8.20
37) T 1,2-Dichloroet...			0.518	0.509	0.513	0.448	0.460	0.489	6.72
38) T Trichloroethene	0.389	0.432	0.468	0.455	0.438	0.376	0.373	0.419	9.28
39) T 1,2-Dichloropr...			0.415	0.374	0.373	0.329	0.330	0.364	9.85

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\										
Method File : VL052925AIR.M										
40)	T	1,4-Dioxane		0.172	0.178	0.168	0.152	0.145	0.163	8.70
41)	T	Tetrahydrofuran		0.445	0.446	0.426	0.388	0.382	0.417	7.33
42)	T	Bromodichlorom...		0.702	0.737	0.721	0.656	0.660	0.695	5.17
43)		Methyl Methacr...		0.398	0.384	0.406	0.366	0.357	0.382	5.36
44)	T	2,2,4-Trimethy...		1.811	1.830	1.765	1.522	1.495	1.684	9.67
45)	T	t-1,3-Dichloro...		0.433	0.455	0.456	0.424	0.418	0.437	4.01
46)	T	cis-1,3-Dichlo...		0.567	0.568	0.555	0.527	0.523	0.548	3.99
47)	T	1,1,2-Trichlor...		0.406	0.401	0.394	0.343	0.340	0.377	8.69
48)	T	Dibromochlorom...		0.600	0.642	0.635	0.570	0.571	0.603	5.64
49)	T	Bromoform		0.524	0.519	0.553	0.508	0.501	0.521	3.83
50)	T	4-Methyl-2-Pen...		1.036	1.030	1.002	0.958	0.919	0.989	5.05
51)	T	2-Hexanone		0.752	0.818	0.824	0.779	0.749	0.784	4.49
52)	T	Tetrachloroethene	0.351 0.407	0.391	0.383	0.390	0.333	0.321	0.368	8.93
53)	T	Toluene		1.210	1.190	1.197	1.054	1.040	1.138	7.35
54)	T	1,2-Dibromoethane	0.575	0.578	0.590	0.576	0.516	0.513	0.558	6.15
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.520	0.536	0.528	0.467	0.464	0.503	6.95
57)	T	Chlorobenzene		1.081	1.028	1.014	0.868	0.865	0.971	10.17
58)	T	Ethyl Benzene		1.770	1.786	1.833	1.547	1.545	1.696	8.19
59)	T	m/p-Xylene		1.411	1.412	1.431	1.212	1.208	1.335	8.55
60)	T	o-Xylene		1.430	1.410	1.441	1.187	1.188	1.331	9.87
61)	T	Styrene		0.626	0.658	0.678	0.590	0.596	0.629	6.07
62)		Isopropylbenzene		2.060	2.129	2.121	1.772	1.751	1.967	9.62
63)	T	1,1,2,2-Tetrac...	1.054 0.828	0.879	0.861	0.855	0.723	0.727	0.847	13.16
64)		n-propylbenzene		0.579	0.541	0.570	0.471	0.475	0.527	9.74
65)		tert-Butylbenzene		1.945	1.923	1.942	1.577	1.538	1.785	11.68
66)	T	Benzyl Chloride		0.199	0.237	0.252	0.241	0.220	0.230	8.94
67)		sec-Butylbenzene		2.745	2.743	2.699	2.195	2.165	2.509	12.01
68)	S	1-Bromo-4-Fluo...	0.752 0.751	0.755	0.751	0.741	0.744	0.754	0.750	0.68
69)		p-Isopropyltol...		2.241	2.249	2.299	1.868	1.851	2.101	10.57
70)		n-Butylbenzene		2.110	2.267	2.299	1.842	1.853	2.074	10.56
71)		2-Chlorotoluene		1.603	1.620	1.596	1.343	1.339	1.500	9.70
72)	T	4-Ethyltoluene		1.704	1.797	1.823	1.481	1.494	1.660	9.86
73)	T	1,3,5-Trimethy...		1.441	1.482	1.475	1.235	1.236	1.374	9.25
74)	T	1,2,4-Trimethy...		1.640	1.675	1.666	1.335	1.306	1.524	12.26
75)	T	1,3-Dichlorobe...		1.031	1.034	1.040	0.839	0.843	0.957	11.13
76)	T	1,4-Dichlorobe...		0.998	1.040	1.037	0.849	0.851	0.955	10.18
77)	T	1,2-Dichlorobe...		1.019	1.008	1.027	0.798	0.793	0.929	13.14
78)	T	Hexachloro-1,3...		0.872	0.893	0.880	0.607	0.593	0.769	20.11
79)	T	Naphthalene	1.088	1.366	1.634	1.785	1.383	1.366	1.437	16.89
80)	T	Naphthalene,2-...		0.444	0.562	0.781	0.716	0.743	0.649	21.85
81)	T	1,2,4-Trichlor...		0.716	0.889	0.944	0.735	0.727	0.802	13.26

(#) = Out of Range

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WATE03

Lab Code: CHEM Case No.: Q2359 SAS No.: Q2359 SDG No.: Q2359

Instrument ID: MSVOA_L Calibration Date/Time: 06/19/2025 08:56

Lab File ID: VL042647.D Init. Calib. Date(s): 05/29/2025 05/29/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:09 14:24

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

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.229	1.288		4.8	30
Chloromethane	0.487	0.488		0.2	30
Vinyl Chloride	0.496	0.448		-9.68	30
Bromomethane	0.241	0.223		-7.47	30
Chloroethane	0.193	0.183		-5.18	30
Tetrahydrofuran	0.417	0.441		5.76	30
Trichlorofluoromethane	1.144	1.313		14.77	30
1,1,2-Trichlorotrifluoroethane	0.898	1.012		12.69	30
Dichlorotetrafluoroethane	1.024	1.047		2.25	30
tert-Butyl alcohol	1.255	1.201		-4.3	30
Heptane	1.921	1.822		-5.15	30
1,1-Dichloroethene	0.416	0.435		4.57	30
Acetone	1.205	1.058		-12.2	30
Carbon Disulfide	1.150	1.230		6.96	30
Methyl tert-Butyl Ether	0.608	0.642		5.59	30
Methylene Chloride	0.398	0.378		-5.03	30
trans-1,2-Dichloroethene	0.465	0.492		5.81	30
1,1-Dichloroethane	0.957	0.989		3.34	30
Cyclohexane	1.242	1.116		-10.15	30
2-Butanone	0.713	0.823		15.43	30
Carbon Tetrachloride	0.660	0.793		20.15	30
cis-1,2-Dichloroethene	1.370	1.350		-1.46	30
Chloroform	1.948	2.125		9.09	30
1,1,1-Trichloroethane	1.990	2.027		1.86	30
2,2,4-Trimethylpentane	1.684	1.861		10.51	30
Benzene	0.985	1.082		9.85	30
1,2-Dichloroethane	0.489	0.614		25.56	30
Trichloroethene	0.419	0.422		0.72	30
1,2-Dichloropropane	0.364	0.405		11.26	30
Bromodichloromethane	0.695	0.860		23.74	30
4-Methyl-2-Pentanone	0.989	1.102		11.43	30
Toluene	1.138	1.178		3.52	30
t-1,3-Dichloropropene	0.437	0.464		6.18	30
cis-1,3-Dichloropropene	0.548	0.591		7.85	30
1,1,2-Trichloroethane	0.377	0.425		12.73	30
Dibromochloromethane	0.603	0.689		14.26	30
1,2-Dibromoethane	0.558	0.630		12.9	30
Tetrachloroethene	0.368	0.367		-0.27	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WATE03

Lab Code: CHEM Case No.: Q2359 SAS No.: Q2359 SDG No.: Q2359

Instrument ID: MSVOA_L Calibration Date/Time: 06/19/2025 08:56

Lab File ID: VL042647.D Init. Calib. Date(s): 05/29/2025 05/29/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:09 14:24

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

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	0.971	1.071		10.3	30
Ethyl Benzene	1.696	1.878		10.73	30
m/p-Xylene	1.335	1.580		18.35	30
o-Xylene	1.331	1.565		17.58	30
Styrene	0.629	0.656		4.29	30
Bromoform	0.521	0.619		18.81	30
1,1,2,2-Tetrachloroethane	0.847	1.025		21.01	30
2-Chlorotoluene	1.500	1.737		15.8	30
1,3,5-Trimethylbenzene	1.374	1.596		16.16	30
1,2,4-Trimethylbenzene	1.524	1.789		17.39	30
1,3-Dichlorobenzene	0.957	1.102		15.15	30
1,4-Dichlorobenzene	0.955	1.104		15.6	30
1,2-Dichlorobenzene	0.929	1.061		14.21	30
1,2,4-Trichlorobenzene	0.802	0.863		7.61	30
Hexachloro-1,3-Butadiene	0.769	0.762		-0.91	30
1,3-Butadiene	0.571	0.525		-8.06	30
Naphthalene	1.437	1.673		16.42	30
4-Ethyltoluene	1.660	1.927		16.08	30
1-Bromo-4-Fluorobenzene	0.750	0.814		8.53	30
Hexane	1.498	1.411		-5.81	30
Allyl Chloride	0.850	0.840		-1.18	30
1,4-Dioxane	162.953	170.847		4.84	30
Methyl Methacrylate	0.382	0.406		6.28	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.