

LAB CHRONICLE

OrderID:	Q1691	OrderDate:	4/1/2025 12:37:42 PM
Client:	GFE LLC	Project:	416 Clinton St Hempstead
Contact:	Christina Perozzi	Location:	I41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1691-01	IA2R	Air	TO-15	TO-15	03/31/25		04/04/25	04/01/25
Q1691-02	IA3	Air	TO-15	TO-15	03/31/25		04/04/25	04/01/25
Q1691-03	IA3DUP	Air	TO-15	TO-15	03/31/25		04/04/25	04/01/25
Q1691-04	OA1	Air	TO-15	TO-15	03/31/25		04/04/25	04/01/25

Hit Summary Sheet
SW-846

SDG No.: Q1691
Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	IA2R							
Q1691-01	IA2R	Air	Dichlorodifluoromethane	2.03	J	1.04	2.47	ug/m3
Q1691-01	IA2R	Air	Chloromethane	1.92		0.21	1.03	ug/m3
Q1691-01	IA2R	Air	Trichlorofluoromethane	1.18	J	0.90	2.81	ug/m3
Q1691-01	IA2R	Air	Acetone	22.6		0.57	1.19	ug/m3
Q1691-01	IA2R	Air	Methylene Chloride	4.17		0.66	1.74	ug/m3
Q1691-01	IA2R	Air	2-Butanone	3.24		0.35	1.47	ug/m3
Q1691-01	IA2R	Air	Carbon Tetrachloride	0.75		0.060	0.19	ug/m3
Q1691-01	IA2R	Air	Chloroform	4.00		0.39	2.44	ug/m3
Q1691-01	IA2R	Air	Benzene	0.58	J	0.29	1.60	ug/m3
Q1691-01	IA2R	Air	Toluene	1.06	J	0.41	1.88	ug/m3
Q1691-01	IA2R	Air	Tetrachloroethene	1.49		0.14	0.20	ug/m3
Q1691-01	IA2R	Air	Hexane	1.59	J	0.39	1.76	ug/m3
Q1691-01	IA2R	Air	1,4-Dioxane	0.90	J	0.76	1.80	ug/m3
			Total Voc :	45.5				
			Total Concentration:	45.5				
Client ID:	IA3							
Q1691-02	IA3	Air	Dichlorodifluoromethane	1.88	J	1.04	2.47	ug/m3
Q1691-02	IA3	Air	Chloromethane	2.27		0.21	1.03	ug/m3
Q1691-02	IA3	Air	Tetrahydrofuran	0.56	J	0.38	1.47	ug/m3
Q1691-02	IA3	Air	Trichlorofluoromethane	1.24	J	0.90	2.81	ug/m3
Q1691-02	IA3	Air	Acetone	19.7		0.57	1.19	ug/m3
Q1691-02	IA3	Air	Methylene Chloride	1.84		0.66	1.74	ug/m3
Q1691-02	IA3	Air	2-Butanone	1.12	J	0.35	1.47	ug/m3
Q1691-02	IA3	Air	Carbon Tetrachloride	1.32		0.060	0.19	ug/m3
Q1691-02	IA3	Air	Chloroform	3.32		0.39	2.44	ug/m3
Q1691-02	IA3	Air	2,2,4-Trimethylpentane	0.47	J	0.47	2.34	ug/m3
Q1691-02	IA3	Air	Benzene	0.73	J	0.29	1.60	ug/m3
Q1691-02	IA3	Air	Toluene	1.21	J	0.41	1.88	ug/m3
Q1691-02	IA3	Air	Tetrachloroethene	0.54		0.14	0.20	ug/m3
Q1691-02	IA3	Air	m/p-Xylene	0.91	J	0.91	4.34	ug/m3
Q1691-02	IA3	Air	Styrene	0.64	J	0.47	2.13	ug/m3
Q1691-02	IA3	Air	Hexane	1.20	J	0.39	1.76	ug/m3
			Total Voc :	39.0				
			Total Concentration:	39.0				
Client ID:	IA3DUP							
Q1691-03	IA3DUP	Air	Dichlorodifluoromethane	2.03	J	1.04	2.47	ug/m3

Hit Summary Sheet SW-846

SDG No.: Q1691

Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1691-03	IA3DUP	Air	Chloromethane	1.71		0.21	1.03	ug/m3
Q1691-03	IA3DUP	Air	Tetrahydrofuran	0.47	J	0.38	1.47	ug/m3
Q1691-03	IA3DUP	Air	Trichlorofluoromethane	1.18	J	0.90	2.81	ug/m3
Q1691-03	IA3DUP	Air	Acetone	15.2		0.57	1.19	ug/m3
Q1691-03	IA3DUP	Air	Methylene Chloride	2.95		0.66	1.74	ug/m3
Q1691-03	IA3DUP	Air	2-Butanone	1.03	J	0.35	1.47	ug/m3
Q1691-03	IA3DUP	Air	Carbon Tetrachloride	1.13		0.060	0.19	ug/m3
Q1691-03	IA3DUP	Air	Chloroform	3.61		0.39	2.44	ug/m3
Q1691-03	IA3DUP	Air	2,2,4-Trimethylpentane	0.47	J	0.47	2.34	ug/m3
Q1691-03	IA3DUP	Air	Benzene	0.61	J	0.29	1.60	ug/m3
Q1691-03	IA3DUP	Air	Toluene	1.28	J	0.41	1.88	ug/m3
Q1691-03	IA3DUP	Air	Tetrachloroethene	2.03		0.14	0.20	ug/m3
Q1691-03	IA3DUP	Air	m/p-Xylene	0.96	J	0.91	4.34	ug/m3
Q1691-03	IA3DUP	Air	Styrene	0.60	J	0.47	2.13	ug/m3
Q1691-03	IA3DUP	Air	Hexane	1.90		0.39	1.76	ug/m3
			Total Voc :	37.2				
			Total Concentration:	37.2				
Client ID:	OA1							
Q1691-04	OA1	Air	Dichlorodifluoromethane	2.03	J	1.04	2.47	ug/m3
Q1691-04	OA1	Air	Chloromethane	1.12		0.21	1.03	ug/m3
Q1691-04	OA1	Air	Trichlorofluoromethane	1.18	J	0.90	2.81	ug/m3
Q1691-04	OA1	Air	Acetone	10.7		0.57	1.19	ug/m3
Q1691-04	OA1	Air	Methylene Chloride	1.70	J	0.66	1.74	ug/m3
Q1691-04	OA1	Air	2-Butanone	1.00	J	0.35	1.47	ug/m3
Q1691-04	OA1	Air	Carbon Tetrachloride	0.44		0.060	0.19	ug/m3
Q1691-04	OA1	Air	Benzene	0.51	J	0.29	1.60	ug/m3
Q1691-04	OA1	Air	Toluene	1.17	J	0.41	1.88	ug/m3
Q1691-04	OA1	Air	Tetrachloroethene	2.51		0.14	0.20	ug/m3
Q1691-04	OA1	Air	Hexane	0.81	J	0.39	1.76	ug/m3
			Total Voc :	23.2				
			Total Concentration:	23.2				

Project : 416 Clinton St Hempstead

Sampling Date : 03/31/25

Field Id Number : IA2R

Analysis Date : 04/04/25

Laboratory Id Number : Q1691-01

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	0.41	J	2.03		
Chloromethane	74-87-3	50.49	0.93		1.92		
Vinyl Chloride	75-01-4	62.5	0.01	U	0.03		
Bromomethane	74-83-9	94.94	0.14	U	0.54		
Chloroethane	75-00-3	64.52	0.17	U	0.45		
Tetrahydrofuran	109-99-9	72.11	0.13	U	0.38		
Trichlorofluoromethane	75-69-4	137.4	0.21	J	1.18		
Dichlorotetrafluoroethane	76-14-2	170.9	0.09	U	0.63		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	U	1.23		
tert-Butyl alcohol	75-65-0	74.12	0.19	U	0.58		
Heptane	142-82-5	100.2	0.11	U	0.45		
1,1-Dichloroethene	75-35-4	96.94	0.14	U	0.56		
Acetone	67-64-1	58.08	9.5		22.6		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	1.2		4.17		
trans-1,2-Dichloroethene	156-60-5	96.94	0.19	U	0.75		
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	1.1		3.24		
Carbon Tetrachloride	56-23-5	153.8	0.12		0.75		
cis-1,2-Dichloroethene	156-59-2	96.94	0.09	U	0.36		
Chloroform	67-66-3	119.4	0.82		4		
1,1,1-Trichloroethane	71-55-6	133.4	0.01	U	0.05		
2,2,4-Trimethylpentane	540-84-1	114.2	0.1	U	0.47		
Benzene	71-43-2	78.11	0.18	J	0.58		
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	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	0.08	U	0.54		
4-Methyl-2-Pentanone	108-10-1	100.2	0.09	U	0.37		
Toluene	108-88-3	92.14	0.28	J	1.06		
t-1,3-Dichloropropene	10061-02-6	111	0.06	U	0.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.06	U	0.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.07	U	0.38		

Project : 416 Clinton St Hempstead

Sampling Date : 03/31/25

Field Id Number : IA2R

Analysis Date : 04/04/25

Laboratory Id Number : Q1691-01

Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	0.07	U	0.6		
1,2-Dibromoethane	106-93-4	187.9	0.07	U	0.54		
Tetrachloroethene	127-18-4	165.8	0.22		1.49		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.12	U	0.52		
m/p-Xylene	179601-23-1	106.2	0.21	U	0.91		
o-Xylene	95-47-6	106.2	0.12	U	0.52		
Styrene	100-42-5	104.1	0.11	U	0.47		
Bromoform	75-25-2	252.8	0.06	U	0.62		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.01	U	0.07		
2-Chlorotoluene	95-49-8	126.6	0.11	U	0.57		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.11	U	0.54		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.08	U	0.39		
1,3-Dichlorobenzene	541-73-1	147	0.08	U	0.48		
1,4-Dichlorobenzene	106-46-7	147	0.05	U	0.3		
1,2-Dichlorobenzene	95-50-1	147	0.08	U	0.48		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.09	U	0.67		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.09	U	0.96		
Naphthalene	91-20-3	128.17	0.08	U	0.42		
1,3-Butadiene	106-99-0	54.09	0.13	U	0.29		
4-Ethyltoluene	622-96-8	120.2	0.12	U	0.59		
Hexane	110-54-3	86.17	0.45	J	1.59		
Allyl Chloride	107-05-1	76.53	0.15	U	0.47		
1,4-Dioxane	123-91-1	88.12	0.25	J	0.9		
Methyl Methacrylate	80-62-6	100.117	0.09	U	0.37		

Project : 416 Clinton St Hempstead

Sampling Date : 03/31/25

Field Id Number : IA3

Analysis Date : 04/04/25

Laboratory Id Number : Q1691-02

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	0.38	J	1.88		
Chloromethane	74-87-3	50.49	1.1		2.27		
Vinyl Chloride	75-01-4	62.5	0.01	U	0.03		
Bromomethane	74-83-9	94.94	0.14	U	0.54		
Chloroethane	75-00-3	64.52	0.17	U	0.45		
Tetrahydrofuran	109-99-9	72.11	0.19	J	0.56		
Trichlorofluoromethane	75-69-4	137.4	0.22	J	1.24		
Dichlorotetrafluoroethane	76-14-2	170.9	0.09	U	0.63		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	U	1.23		
tert-Butyl alcohol	75-65-0	74.12	0.19	U	0.58		
Heptane	142-82-5	100.2	0.11	U	0.45		
1,1-Dichloroethene	75-35-4	96.94	0.14	U	0.56		
Acetone	67-64-1	58.08	8.3		19.7		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	0.53		1.84		
trans-1,2-Dichloroethene	156-60-5	96.94	0.19	U	0.75		
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	0.38	J	1.12		
Carbon Tetrachloride	56-23-5	153.8	0.21		1.32		
cis-1,2-Dichloroethene	156-59-2	96.94	0.09	U	0.36		
Chloroform	67-66-3	119.4	0.68		3.32		
1,1,1-Trichloroethane	71-55-6	133.4	0.01	U	0.05		
2,2,4-Trimethylpentane	540-84-1	114.2	0.1	J	0.47		
Benzene	71-43-2	78.11	0.23	J	0.73		
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	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	0.08	U	0.54		
4-Methyl-2-Pentanone	108-10-1	100.2	0.09	U	0.37		
Toluene	108-88-3	92.14	0.32	J	1.21		
t-1,3-Dichloropropene	10061-02-6	111	0.06	U	0.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.06	U	0.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.07	U	0.38		

Project : 416 Clinton St Hempstead

Sampling Date : 03/31/25

Field Id Number : IA3

Analysis Date : 04/04/25

Laboratory Id Number : Q1691-02

Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	0.07	U	0.6		
1,2-Dibromoethane	106-93-4	187.9	0.07	U	0.54		
Tetrachloroethene	127-18-4	165.8	0.08		0.54		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.12	U	0.52		
m/p-Xylene	179601-23-1	106.2	0.21	J	0.91		
o-Xylene	95-47-6	106.2	0.12	U	0.52		
Styrene	100-42-5	104.1	0.15	J	0.64		
Bromoform	75-25-2	252.8	0.06	U	0.62		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.01	U	0.07		
2-Chlorotoluene	95-49-8	126.6	0.11	U	0.57		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.11	U	0.54		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.08	U	0.39		
1,3-Dichlorobenzene	541-73-1	147	0.08	U	0.48		
1,4-Dichlorobenzene	106-46-7	147	0.05	U	0.3		
1,2-Dichlorobenzene	95-50-1	147	0.08	U	0.48		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.09	U	0.67		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.09	U	0.96		
Naphthalene	91-20-3	128.17	0.08	U	0.42		
1,3-Butadiene	106-99-0	54.09	0.13	U	0.29		
4-Ethyltoluene	622-96-8	120.2	0.12	U	0.59		
Hexane	110-54-3	86.17	0.34	J	1.2		
Allyl Chloride	107-05-1	76.53	0.15	U	0.47		
1,4-Dioxane	123-91-1	88.12	0.21	U	0.76		
Methyl Methacrylate	80-62-6	100.117	0.09	U	0.37		

Project : 416 Clinton St Hempstead

Sampling Date : 03/31/25

Field Id Number : IA3DUP

Analysis Date : 04/04/25

Laboratory Id Number : Q1691-03

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	0.41	J	2.03		
Chloromethane	74-87-3	50.49	0.83		1.71		
Vinyl Chloride	75-01-4	62.5	0.01	U	0.03		
Bromomethane	74-83-9	94.94	0.14	U	0.54		
Chloroethane	75-00-3	64.52	0.17	U	0.45		
Tetrahydrofuran	109-99-9	72.11	0.16	J	0.47		
Trichlorofluoromethane	75-69-4	137.4	0.21	J	1.18		
Dichlorotetrafluoroethane	76-14-2	170.9	0.09	U	0.63		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	U	1.23		
tert-Butyl alcohol	75-65-0	74.12	0.19	U	0.58		
Heptane	142-82-5	100.2	0.11	U	0.45		
1,1-Dichloroethene	75-35-4	96.94	0.14	U	0.56		
Acetone	67-64-1	58.08	6.4		15.2		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	0.85		2.95		
trans-1,2-Dichloroethene	156-60-5	96.94	0.19	U	0.75		
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	0.35	J	1.03		
Carbon Tetrachloride	56-23-5	153.8	0.18		1.13		
cis-1,2-Dichloroethene	156-59-2	96.94	0.09	U	0.36		
Chloroform	67-66-3	119.4	0.74		3.61		
1,1,1-Trichloroethane	71-55-6	133.4	0.01	U	0.05		
2,2,4-Trimethylpentane	540-84-1	114.2	0.1	J	0.47		
Benzene	71-43-2	78.11	0.19	J	0.61		
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	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	0.08	U	0.54		
4-Methyl-2-Pentanone	108-10-1	100.2	0.09	U	0.37		
Toluene	108-88-3	92.14	0.34	J	1.28		
t-1,3-Dichloropropene	10061-02-6	111	0.06	U	0.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.06	U	0.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.07	U	0.38		

Project : 416 Clinton St Hempstead

Sampling Date : 03/31/25

Field Id Number : IA3DUP

Analysis Date : 04/04/25

Laboratory Id Number : Q1691-03

Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	0.07	U	0.6		
1,2-Dibromoethane	106-93-4	187.9	0.07	U	0.54		
Tetrachloroethene	127-18-4	165.8	0.3		2.03		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.12	U	0.52		
m/p-Xylene	179601-23-1	106.2	0.22	J	0.96		
o-Xylene	95-47-6	106.2	0.12	U	0.52		
Styrene	100-42-5	104.1	0.14	J	0.6		
Bromoform	75-25-2	252.8	0.06	U	0.62		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.01	U	0.07		
2-Chlorotoluene	95-49-8	126.6	0.11	U	0.57		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.11	U	0.54		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.08	U	0.39		
1,3-Dichlorobenzene	541-73-1	147	0.08	U	0.48		
1,4-Dichlorobenzene	106-46-7	147	0.05	U	0.3		
1,2-Dichlorobenzene	95-50-1	147	0.08	U	0.48		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.09	U	0.67		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.09	U	0.96		
Naphthalene	91-20-3	128.17	0.08	U	0.42		
1,3-Butadiene	106-99-0	54.09	0.13	U	0.29		
4-Ethyltoluene	622-96-8	120.2	0.12	U	0.59		
Hexane	110-54-3	86.17	0.54		1.9		
Allyl Chloride	107-05-1	76.53	0.15	U	0.47		
1,4-Dioxane	123-91-1	88.12	0.21	U	0.76		
Methyl Methacrylate	80-62-6	100.117	0.09	U	0.37		

Project : 416 Clinton St Hempstead

Sampling Date : 03/31/25

Field Id Number : OA1

Analysis Date : 04/04/25

Laboratory Id Number : Q1691-04

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	0.41	J	2.03		
Chloromethane	74-87-3	50.49	0.54		1.12		
Vinyl Chloride	75-01-4	62.5	0.01	U	0.03		
Bromomethane	74-83-9	94.94	0.14	U	0.54		
Chloroethane	75-00-3	64.52	0.17	U	0.45		
Tetrahydrofuran	109-99-9	72.11	0.13	U	0.38		
Trichlorofluoromethane	75-69-4	137.4	0.21	J	1.18		
Dichlorotetrafluoroethane	76-14-2	170.9	0.09	U	0.63		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	U	1.23		
tert-Butyl alcohol	75-65-0	74.12	0.19	U	0.58		
Heptane	142-82-5	100.2	0.11	U	0.45		
1,1-Dichloroethene	75-35-4	96.94	0.14	U	0.56		
Acetone	67-64-1	58.08	4.5		10.7		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	0.49	J	1.7		
trans-1,2-Dichloroethene	156-60-5	96.94	0.19	U	0.75		
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	0.34	J	1		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.09	U	0.36		
Chloroform	67-66-3	119.4	0.08	U	0.39		
1,1,1-Trichloroethane	71-55-6	133.4	0.01	U	0.05		
2,2,4-Trimethylpentane	540-84-1	114.2	0.1	U	0.47		
Benzene	71-43-2	78.11	0.16	J	0.51		
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	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	0.08	U	0.54		
4-Methyl-2-Pentanone	108-10-1	100.2	0.09	U	0.37		
Toluene	108-88-3	92.14	0.31	J	1.17		
t-1,3-Dichloropropene	10061-02-6	111	0.06	U	0.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.06	U	0.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.07	U	0.38		

Project : 416 Clinton St Hempstead

Sampling Date : 03/31/25

Field Id Number : OA1

Analysis Date : 04/04/25

Laboratory Id Number : Q1691-04

Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	0.07	U	0.6		
1,2-Dibromoethane	106-93-4	187.9	0.07	U	0.54		
Tetrachloroethene	127-18-4	165.8	0.37		2.51		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.12	U	0.52		
m/p-Xylene	179601-23-1	106.2	0.21	U	0.91		
o-Xylene	95-47-6	106.2	0.12	U	0.52		
Styrene	100-42-5	104.1	0.11	U	0.47		
Bromoform	75-25-2	252.8	0.06	U	0.62		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.01	U	0.07		
2-Chlorotoluene	95-49-8	126.6	0.11	U	0.57		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.11	U	0.54		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.08	U	0.39		
1,3-Dichlorobenzene	541-73-1	147	0.08	U	0.48		
1,4-Dichlorobenzene	106-46-7	147	0.05	U	0.3		
1,2-Dichlorobenzene	95-50-1	147	0.08	U	0.48		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.09	U	0.67		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.09	U	0.96		
Naphthalene	91-20-3	128.17	0.08	U	0.42		
1,3-Butadiene	106-99-0	54.09	0.13	U	0.29		
4-Ethyltoluene	622-96-8	120.2	0.12	U	0.59		
Hexane	110-54-3	86.17	0.23	J	0.81		
Allyl Chloride	107-05-1	76.53	0.15	U	0.47		
1,4-Dioxane	123-91-1	88.12	0.21	U	0.76		
Methyl Methacrylate	80-62-6	100.117	0.09	U	0.37		



SAMPLE DATA

Report of Analysis

Client:	GFE LLC	Date Collected:	03/31/25
Project:	416 Clinton St Hempstead	Date Received:	04/01/25
Client Sample ID:	IA2R	SDG No.:	Q1691
Lab Sample ID:	Q1691-01	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
VL042221.D	1		04/04/25 12:46	VL040425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.41	2.03	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.93	1.92		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.21	1.18	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	9.50	22.6		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	1.20	4.17		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	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	1.10	3.24		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.12	0.75		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.82	4.00		0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.18	0.58	J	0.29	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	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.28	1.06	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	03/31/25
Project:	416 Clinton St Hempstead	Date Received:	04/01/25
Client Sample ID:	IA2R	SDG No.:	Q1691
Lab Sample ID:	Q1691-01	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
VL042221.D	1		04/04/25 12:46	VL040425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.22	1.49		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	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.21	0.91	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.080	0.39	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.45	1.59	J	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.25	0.90	J	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.80			65 - 135	98%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	194000		2.787			
540-36-3	1,4-Difluorobenzene	537000		3.959			
3114-55-4	Chlorobenzene-d5	466000		8.882			

Report of Analysis

Client:	GFE LLC	Date Collected:	03/31/25
Project:	416 Clinton St Hempstead	Date Received:	04/01/25
Client Sample ID:	IA2R	SDG No.:	Q1691
Lab Sample ID:	Q1691-01	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
VL042221.D	1		04/04/25 12:46	VL040425

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:	GFE LLC	Date Collected:	03/31/25
Project:	416 Clinton St Hempstead	Date Received:	04/01/25
Client Sample ID:	IA3	SDG No.:	Q1691
Lab Sample ID:	Q1691-02	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
VL042224.D	1		04/04/25 14:26	VL040425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.38	1.88	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	1.10	2.27		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.19	0.56	J	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.22	1.24	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	8.30	19.7		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.53	1.84		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	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	0.38	1.12	J	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.21	1.32		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.68	3.32		0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	J	0.47	2.34	ug/m3
71-43-2	Benzene	0.23	0.73	J	0.29	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	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.32	1.21	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	03/31/25
Project:	416 Clinton St Hempstead	Date Received:	04/01/25
Client Sample ID:	IA3	SDG No.:	Q1691
Lab Sample ID:	Q1691-02	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
VL042224.D	1		04/04/25 14:26	VL040425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.080	0.54		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	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.21	0.91	J	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.15	0.64	J	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.080	0.39	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.34	1.20	J	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.80			65 - 135	98%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	191000		2.787			
540-36-3	1,4-Difluorobenzene	505000		3.959			
3114-55-4	Chlorobenzene-d5	449000		8.882			

Report of Analysis

Client:	GFE LLC	Date Collected:	03/31/25
Project:	416 Clinton St Hempstead	Date Received:	04/01/25
Client Sample ID:	IA3	SDG No.:	Q1691
Lab Sample ID:	Q1691-02	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
VL042224.D	1		04/04/25 14:26	VL040425

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:	GFE LLC	Date Collected:	03/31/25
Project:	416 Clinton St Hempstead	Date Received:	04/01/25
Client Sample ID:	IA3DUP	SDG No.:	Q1691
Lab Sample ID:	Q1691-03	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
VL042225.D	1		04/04/25 15:50	VL040425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.41	2.03	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.83	1.71		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.16	0.47	J	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.21	1.18	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	6.40	15.2		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.85	2.95		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	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	0.35	1.03	J	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.18	1.13		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.74	3.61		0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	J	0.47	2.34	ug/m3
71-43-2	Benzene	0.19	0.61	J	0.29	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	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.34	1.28	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	03/31/25
Project:	416 Clinton St Hempstead	Date Received:	04/01/25
Client Sample ID:	IA3DUP	SDG No.:	Q1691
Lab Sample ID:	Q1691-03	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
VL042225.D	1		04/04/25 15:50	VL040425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.30	2.03		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	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.22	0.96	J	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.14	0.60	J	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.080	0.39	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.54	1.90		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.80			65 - 135	98%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	192000		2.787			
540-36-3	1,4-Difluorobenzene	513000		3.955			
3114-55-4	Chlorobenzene-d5	454000		8.882			

Report of Analysis

Client:	GFE LLC	Date Collected:	03/31/25
Project:	416 Clinton St Hempstead	Date Received:	04/01/25
Client Sample ID:	IA3DUP	SDG No.:	Q1691
Lab Sample ID:	Q1691-03	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
VL042225.D	1		04/04/25 15:50	VL040425

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:	GFE LLC	Date Collected:	03/31/25
Project:	416 Clinton St Hempstead	Date Received:	04/01/25
Client Sample ID:	OA1	SDG No.:	Q1691
Lab Sample ID:	Q1691-04	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
VL042226.D	1		04/04/25 16:24	VL040425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.41	2.03	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.54	1.12		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.21	1.18	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	4.50	10.7		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.49	1.70	J	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	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	0.34	1.00	J	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.070	0.44		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.080	0.39	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.16	0.51	J	0.29	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	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.31	1.17	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	03/31/25
Project:	416 Clinton St Hempstead	Date Received:	04/01/25
Client Sample ID:	OA1	SDG No.:	Q1691
Lab Sample ID:	Q1691-04	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
VL042226.D	1		04/04/25 16:24	VL040425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.37	2.51		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	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.21	0.91	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.080	0.39	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.23	0.81	J	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.80			65 - 135	98%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	195000		2.784			
540-36-3	1,4-Difluorobenzene	518000		3.955			
3114-55-4	Chlorobenzene-d5	453000		8.878			

Report of Analysis

Client:	GFE LLC	Date Collected:	03/31/25
Project:	416 Clinton St Hempstead	Date Received:	04/01/25
Client Sample ID:	OA1	SDG No.:	Q1691
Lab Sample ID:	Q1691-04	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
VL042226.D	1		04/04/25 16:24	VL040425

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.: Q1691

Client: GFE LLC

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1691-01	IA2R	1-Bromo-4-Fluorobenzene	10	9.83	98	65	135
Q1691-01DUP	IA2RDUP	1-Bromo-4-Fluorobenzene	10	9.90	99	65	135
Q1691-02	IA3	1-Bromo-4-Fluorobenzene	10	9.78	98	65	135
Q1691-03	IA3DUP	1-Bromo-4-Fluorobenzene	10	9.82	98	65	135
Q1691-04	OA1	1-Bromo-4-Fluorobenzene	10	9.80	98	65	135
VL0404ABL01	VL0404ABL01	1-Bromo-4-Fluorobenzene	10	9.56	96	65	135
VL0404ABS01	VL0404ABS01	1-Bromo-4-Fluorobenzene	10	10.2	102	65	135

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1691

Client: GFE LLC

Analytical Method: SWTO-15

Datafile : VL042220.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL0404ABS01	Dichlorodifluoromethane	10	9.80	ppbv	98			70	130	
	Chloromethane	10	9.00	ppbv	90			70	130	
	Vinyl Chloride	10	8.20	ppbv	82			70	130	
	Bromomethane	10	8.50	ppbv	85			70	130	
	Chloroethane	10	8.70	ppbv	87			70	130	
	Tetrahydrofuran	10	8.80	ppbv	88			70	130	
	Trichlorofluoromethane	10	9.70	ppbv	97			70	130	
	1,1,2-Trichlorotrifluoroethane	10	8.90	ppbv	89			70	130	
	Dichlorotetrafluoroethane	10	9.70	ppbv	97			70	130	
	tert-Butyl Alcohol	10	8.30	ppbv	83			70	130	
	Heptane	10	8.50	ppbv	85			70	130	
	1,1-Dichloroethene	10	8.80	ppbv	88			70	130	
	Acetone	10	8.40	ppbv	84			70	130	
	Carbon disulfide	10	8.50	ppbv	85			70	130	
	Methyl tert-butyl Ether	10	8.50	ppbv	85			70	130	
	Methylene Chloride	10	7.90	ppbv	79			70	130	
	trans-1,2-Dichloroethene	10	8.70	ppbv	87			70	130	
	1,1-Dichloroethane	10	9.40	ppbv	94			70	130	
	Cyclohexane	10	8.50	ppbv	85			70	130	
	2-Butanone	10	9.20	ppbv	92			70	130	
	Carbon Tetrachloride	10	10.3	ppbv	103			70	130	
	cis-1,2-Dichloroethene	10	9.00	ppbv	90			70	130	
	Chloroform	10	10.1	ppbv	101			70	130	
	1,1,1-Trichloroethane	10	9.10	ppbv	91			70	130	
	2,2,4-Trimethylpentane	10	9.30	ppbv	93			70	130	
	Benzene	10	9.20	ppbv	92			70	130	
	1,2-Dichloroethane	10	10.6	ppbv	106			70	130	
	Trichloroethene	10	9.10	ppbv	91			70	130	
	1,2-Dichloropropane	10	9.10	ppbv	91			70	130	
	Bromodichloromethane	10	10.5	ppbv	105			70	130	
	4-Methyl-2-Pentanone	10	8.40	ppbv	84			70	130	
	Toluene	10	9.00	ppbv	90			70	130	
	t-1,3-Dichloropropene	10	8.20	ppbv	82			70	130	
	cis-1,3-Dichloropropene	10	8.40	ppbv	84			70	130	
	1,1,2-Trichloroethane	10	9.90	ppbv	99			70	130	
	Dibromochloromethane	10	10.2	ppbv	102			70	130	
	1,2-Dibromoethane	10	9.80	ppbv	98			70	130	
	Tetrachloroethene	10	8.50	ppbv	85			70	130	
	Chlorobenzene	10	10.1	ppbv	101			70	130	
	Ethyl Benzene	10	9.80	ppbv	98			70	130	
	m/p-Xylene	20	20.4	ppbv	102			70	130	
	o-Xylene	10	10.2	ppbv	102			70	130	
	Styrene	10	9.50	ppbv	95			70	130	
	Bromoform	10	9.90	ppbv	99			70	130	
	1,1,2,2-Tetrachloroethane	10	10.7	ppbv	107			70	130	
	2-Chlorotoluene	10	10.3	ppbv	103			70	130	
	1,3,5-Trimethylbenzene	10	10.4	ppbv	104			70	130	
	1,2,4-Trimethylbenzene	10	10.0	ppbv	100			70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1691

Client: GFE LLC

Analytical Method: SWTO-15

Datafile : VL042220.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL0404ABS01	1,3-Dichlorobenzene	10	10.7	ppbv	107			70	130	
	1,4-Dichlorobenzene	10	10.7	ppbv	107			70	130	
	1,2-Dichlorobenzene	10	10.8	ppbv	108			70	130	
	1,2,4-Trichlorobenzene	10	9.20	ppbv	92			70	130	
	Hexachloro-1,3-butadiene	10	8.30	ppbv	83			70	130	
	Naphthalene	10	9.50	ppbv	95			70	130	
	1,3-Butadiene	10	8.60	ppbv	86			70	130	
	4-Ethyltoluene	10	10.5	ppbv	105			70	130	
	Hexane	10	8.80	ppbv	88			70	130	
	Allyl Chloride	10	8.60	ppbv	86			70	130	
	1,4-Dioxane	10	8.70	ppbv	87			70	130	
	Methyl methacrylate	10	8.60	ppbv	86			70	130	

Duplicate Sample Summary

Lab Sample Id :	Q1691-01DUP	Q1691-01
Client Id :	IA2RDUP	IA2R
DF :	1	1
Datafile :	VL042222.D	VL042221.D
Anal Date & Time :	04/04/2025 13:20	04/04/2025 12:46

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	0	0
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	0.19	0.25	27.3 *
2,2,4-Trimethylpentane	0	0	0
2-Butanone	1.1	1.1	0
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0	0	0
Acetone	9.7	9.5	2.1
Allyl Chloride	0	0	0
Benzene	0.18	0.18	0
Bromodichloromethane	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0	0	0
Carbon Tetrachloride	0.11	0.12	8.7

Duplicate Sample Summary

Lab Sample Id :	Q1691-01DUP	Q1691-01
Client Id :	IA2RDUP	IA2R
DF :	1	1
Datafile :	VL042222.D	VL042221.D
Anal Date & Time :	04/04/2025 13:20	04/04/2025 12:46

Parameter	Result	Result	RPD
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0.84	0.82	2.4
Chloromethane	0.96	0.93	3.2
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.41	0.41	0
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0	0	0
Heptane	0	0	0
Hexachloro-1,3-Butadiene	0	0	0
Hexane	0.42	0.45	6.9
m/p-Xylene	0.17	0	200 *
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	1	1.2	18.2
Naphthalene	0	0	0
o-Xylene	0	0	0
Styrene	0	0	0
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	0	0	0
Tetrachloroethene	0.27	0.22	20.4 *
Tetrahydrofuran	0.1	0	200 *
Toluene	0.28	0.28	0
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.23	0.21	9.1
Vinyl Chloride	0	0	0

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0404ABL01

Lab Name: CHEMTECH

Contract: GFEL01

Lab Code: CHEM Case No.: Q1691

SAS No.: Q1691 SDG NO.: Q1691

Lab File ID: VL042216.D

Lab Sample ID: VL0404ABL01

Date Analyzed: 04/04/2025

Time Analyzed: 09:41

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
VL0404ABS01	VL0404ABS01	VL042220.D	04/04/2025
IA2R	Q1691-01	VL042221.D	04/04/2025
IA2RDUP	Q1691-01DUP	VL042222.D	04/04/2025
IA3	Q1691-02	VL042224.D	04/04/2025
IA3DUP	Q1691-03	VL042225.D	04/04/2025
OA1	Q1691-04	VL042226.D	04/04/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GFEL01
Lab Code: CHEM Case No.: Q1691 SAS No.: Q1691 SDG NO.: Q1691
Lab File ID: VL042171.D BFB Injection Date: 03/27/2025
Instrument ID: MSVOA_L BFB Injection Time: 07:44
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	23
75	30.0 - 66.0% of mass 95	56.3
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	63.8
175	4.0 - 9.0% of mass 174	5.1 (8) 1
176	93.0 - 101.0% of mass 174	61.1 (95.7) 1
177	5.0 - 9.0% of mass 176	4.2 (6.8) 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	VL042172.D	03/27/2025	08:26
VSTDICC002	VSTDICC002	VL042173.D	03/27/2025	08:59
VSTDICC001	VSTDICC001	VL042174.D	03/27/2025	09:30
VSTDICC0.5	VSTDICC0.5	VL042175.D	03/27/2025	10:01
VSTDICC0.1	VSTDICC0.1	VL042176.D	03/27/2025	10:32
VSTDICC0.03	VSTDICC0.03	VL042177.D	03/27/2025	11:03
VSTDICC015	VSTDICC015	VL042178.D	03/27/2025	11:36

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GFEL01
Lab Code: CHEM Case No.: Q1691 SAS No.: Q1691 SDG NO.: Q1691
Lab File ID: VL042214.D BFB Injection Date: 04/04/2025
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	25.3
75	30.0 - 66.0% of mass 95	57.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 120.0% of mass 95	61.2
175	4.0 - 9.0% of mass 174	4.5 (7.3) 1
176	93.0 - 101.0% of mass 174	57.3 (93.5) 1
177	5.0 - 9.0% of mass 176	3.6 (6.4) 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	VL042215.D	04/04/2025	08:58
VL0404ABL01	VL0404ABL01	VL042216.D	04/04/2025	09:41
VL0404ABS01	VL0404ABS01	VL042220.D	04/04/2025	11:55
IA2R	Q1691-01	VL042221.D	04/04/2025	12:46
IA2RDUP	Q1691-01DUP	VL042222.D	04/04/2025	13:20
IA3	Q1691-02	VL042224.D	04/04/2025	14:26
IA3DUP	Q1691-03	VL042225.D	04/04/2025	15:50
OA1	Q1691-04	VL042226.D	04/04/2025	16:24

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GFEL01
Lab Code: CHEM Case No.: Q1691 SAS No.: Q1691 SDG NO.: Q1691
Lab File ID: VL042215.D Date Analyzed: 04/04/2025
Instrument ID: MSVOA_L Time Analyzed: 08:58
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	187369	2.79	519347	3.96	464975	8.89
UPPER LIMIT	262317	3.12	727086	4.29	650965	9.22
LOWER LIMIT	112421	2.46	311608	3.63	278985	8.56
EPA SAMPLE NO.						
IA2R	193944	2.79	537035	3.96	465935	8.88
IA2RDUP	190677	2.79	525113	3.96	459228	8.89
IA3	191073	2.79	505458	3.96	449107	8.88
IA3DUP	191637	2.79	513363	3.96	453956	8.88
OA1	194580	2.78	518092	3.96	453107	8.88
VL0404ABL01	191004	2.79	523611	3.96	464191	8.89
VL0404ABS01	185704	2.79	509064	3.96	456962	8.89

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:	GFE LLC	Date Collected:	
Project:	416 Clinton St Hempstead	Date Received:	
Client Sample ID:	VL0404ABL01	SDG No.:	Q1691
Lab Sample ID:	VL0404ABL01	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
VL042216.D	1		04/04/25 09:41	VL040425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.21	1.04	U	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.16	0.90	U	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	0.24	0.57	U	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.19	0.66	U	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	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	0.12	0.35	U	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.010	0.060	U	0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.080	0.39	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.090	0.29	U	0.29	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	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.11	0.41	U	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	416 Clinton St Hempstead	Date Received:	
Client Sample ID:	VL0404ABL01	SDG No.:	Q1691
Lab Sample ID:	VL0404ABL01	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
VL042216.D	1		04/04/25 09:41	VL040425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	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	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.21	0.91	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.080	0.39	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.11	0.39	U	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.60			65 - 135	96%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	191000		2.787			
540-36-3	1,4-Difluorobenzene	524000		3.962			
3114-55-4	Chlorobenzene-d5	464000		8.885			

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	416 Clinton St Hempstead	Date Received:	
Client Sample ID:	VL0404ABL01	SDG No.:	Q1691
Lab Sample ID:	VL0404ABL01	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
VL042216.D	1		04/04/25 09:41	VL040425

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:	GFE LLC	Date Collected:	
Project:	416 Clinton St Hempstead	Date Received:	
Client Sample ID:	VL0404ABS01	SDG No.:	Q1691
Lab Sample ID:	VL0404ABS01	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
VL042220.D	1		04/04/25 11:55	VL040425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	9.80	48.5		1.04	2.47	ug/m3
74-87-3	Chloromethane	9.00	18.6		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	8.20	21.0		0.030	0.080	ug/m3
74-83-9	Bromomethane	8.50	33.0		0.54	1.94	ug/m3
75-00-3	Chloroethane	8.70	23.0		0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	8.80	25.9		0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	9.70	54.5		0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	8.90	68.2		1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	9.70	67.8		0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	8.30	25.2		0.58	1.52	ug/m3
142-82-5	Heptane	8.50	34.8		0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	8.80	34.9		0.56	1.98	ug/m3
67-64-1	Acetone	8.40	19.9		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	8.50	26.5		0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	8.50	30.6		0.43	1.80	ug/m3
75-09-2	Methylene Chloride	7.90	27.4		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	8.70	34.5		0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	9.40	38.0		0.53	2.02	ug/m3
110-82-7	Cyclohexane	8.50	29.3		0.76	1.72	ug/m3
78-93-3	2-Butanone	9.20	27.1		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	10.3	64.8		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.00	35.7		0.36	1.98	ug/m3
67-66-3	Chloroform	10.1	49.3		0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	9.10	49.6		0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	9.30	43.4		0.47	2.34	ug/m3
71-43-2	Benzene	9.20	29.4		0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	10.6	42.9		0.36	2.02	ug/m3
79-01-6	Trichloroethene	9.10	48.9		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	9.10	42.1		0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	10.5	70.3		0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	8.40	34.4		0.37	2.05	ug/m3
108-88-3	Toluene	9.00	33.9		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	8.20	37.2		0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	8.40	38.1		0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	9.90	54.0		0.38	2.73	ug/m3

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	416 Clinton St Hempstead	Date Received:	
Client Sample ID:	VL0404ABS01	SDG No.:	Q1691
Lab Sample ID:	VL0404ABS01	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
VL042220.D	1		04/04/25 11:55	VL040425

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	10.2	86.9		0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	9.80	75.3		0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	8.50	57.6		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	10.1	46.5		0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	9.80	42.6		0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	20.4	88.6		0.91	4.34	ug/m3
95-47-6	o-Xylene	10.2	44.3		0.52	2.17	ug/m3
100-42-5	Styrene	9.50	40.5		0.47	2.13	ug/m3
75-25-2	Bromoform	9.90	102		0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	10.7	73.5		0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	10.3	53.3		0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	10.4	51.1		0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	10.0	49.2		0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	10.7	64.3		0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	10.7	64.3		0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	10.8	64.9		0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	9.20	68.3		0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	8.30	88.5		0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	8.60	19.0		0.29	1.11	ug/m3
91-20-3	Naphthalene	9.50	49.8		0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	10.5	51.6		0.59	2.46	ug/m3
110-54-3	Hexane	8.80	31.0		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	8.60	26.9		0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	8.70	31.4		0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	8.60	35.2		0.37	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	186000		2.79			
540-36-3	1,4-Difluorobenzene	509000		3.962			
3114-55-4	Chlorobenzene-d5	457000		8.888			

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	416 Clinton St Hempstead	Date Received:	
Client Sample ID:	VL0404ABS01	SDG No.:	Q1691
Lab Sample ID:	VL0404ABS01	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
VL042220.D	1		04/04/25 11:55	VL040425

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 : VL032725AIR.M

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

Last Update : Fri Mar 28 02:00:52 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL042177.D 0.1 =VL042176.D 0.5 =VL042175.D 1 =VL042174.D 2 =VL042173.D 10 =VL042172.D 15 =VL042178.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...			1.602	1.514	1.482	1.404	1.380	1.476	6.03
3)	Chlorodifluoro...			1.622	1.541	1.514	1.457	1.408	1.508	5.41
4)	Chloromethane			0.660	0.597	0.618	0.573	0.570	0.603	6.17
5) T	Vinyl Chloride	0.882	0.705	0.635	0.576	0.584	0.549	0.546	0.639	18.84
6) T	Bromomethane			0.327	0.268	0.266	0.256	0.250	0.273	11.20
7)	Chloroethane			0.286	0.248	0.223	0.227	0.226	0.242	10.92
8) T	Dichlorotetra...			1.306	1.283	1.274	1.214	1.211	1.257	3.40
9) T	Propene			0.734	0.736	0.698	0.660	0.630	0.691	6.69
10) T	Heptane			1.847	1.940	1.897	1.792	1.719	1.839	4.73
11) T	Trichlorofluor...			1.562	1.457	1.480	1.339	1.346	1.437	6.59
12) T	1,1,2-Trichlor...			1.247	1.215	1.188	1.120	1.135	1.181	4.52
13)	Ethanol			0.110	0.086	0.073	0.029	0.028	0.065	55.48
14) T	Bromoethene			0.529	0.447	0.460	0.417	0.409	0.452	10.47
15) T	Acetone			1.699	1.573	1.469	1.113	1.139	1.399	18.73
16) T	1,3-Butadiene			0.952	0.705	0.608	0.573	0.577	0.683	23.38
17)	tert-Butyl alc...			1.935	1.799	1.756	1.618	1.601	1.742	7.91
18) T	1,1-Dichloroet...			0.624	0.565	0.560	0.504	0.507	0.552	8.99
19) T	Isopropyl Alcohol			1.016	0.800	0.738	0.702	0.689	0.789	16.99
20) T	Methylene Chlo...			0.624	0.563	0.545	0.438	0.435	0.521	15.85
21) T	Allyl Chloride			1.067	1.022	1.020	0.902	0.921	0.986	7.25
22) T	trans-1,2-Dich...			0.704	0.701	0.621	0.590	0.575	0.638	9.56
23) T	Vinyl Acetate			0.754	0.692	0.550	0.498	0.532	0.605	18.40
24) T	1,1-Dichloroet...			1.247	1.208	1.187	1.122	1.149	1.183	4.17
25) T	Ethyl Acetate			4.017	3.619	3.703	3.457	3.353	3.630	7.06
26) T	Hexane			1.507	1.462	1.383	1.333	1.325	1.402	5.71
27) T	Carbon Disulfide			1.608	1.512	1.538	1.436	1.423	1.503	5.07
28) T	Methyl tert-Bu...			0.921	0.886	0.894	0.831	0.832	0.873	4.56
29) T	Chloroform			2.233	2.068	2.071	1.932	1.956	2.052	5.81
30) T	Cyclohexane			1.337	1.238	1.211	1.162	1.140	1.217	6.33
31) T	cis-1,2-Dichlo...			1.507	1.460	1.426	1.371	1.353	1.423	4.44
32) T	1,1,1-Trichlor...	3.151	2.495	2.279	2.201	2.152	2.062	2.105	2.349	16.23

33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone			0.754	0.771	0.770	0.667	0.664	0.725	7.58
35) T	Carbon Tetrach...	1.069	0.782	0.709	0.732	0.748	0.703	0.725	0.781	16.60
36) T	Benzene			1.049	1.027	1.013	0.934	0.934	0.991	5.47
37) T	1,2-Dichloroet...			0.613	0.569	0.563	0.537	0.556	0.568	4.95
38) T	Trichloroethene	0.463	0.437	0.438	0.408	0.398	0.374	0.378	0.414	8.00
39) T	1,2-Dichloropr...			0.386	0.373	0.365	0.337	0.344	0.361	5.68

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\											
Method File : VL032725AIR.M											
40)	T	1,4-Dioxane			0.234	0.197	0.191	0.169	0.167	0.192	14.08
41)	T	Tetrahydrofuran			0.439	0.425	0.432	0.398	0.393	0.418	4.98
42)	T	Bromodichlorom...			0.778	0.779	0.802	0.769	0.785	0.782	1.58
43)		Methyl Methacr...			0.442	0.451	0.408	0.403	0.394	0.420	6.03
44)	T	2,2,4-Trimethy...			1.781	1.689	1.723	1.608	1.576	1.675	5.00
45)	T	t-1,3-Dichloro...			0.474	0.447	0.453	0.439	0.440	0.450	3.15
46)	T	cis-1,3-Dichlo...			0.549	0.560	0.566	0.550	0.535	0.552	2.12
47)	T	1,1,2-Trichlor...			0.419	0.382	0.379	0.364	0.365	0.382	5.88
48)	T	Dibromochlorom...			0.651	0.641	0.663	0.636	0.644	0.647	1.62
49)	T	Bromoform			0.566	0.588	0.597	0.582	0.570	0.581	2.18
50)	T	4-Methyl-2-Pen...			1.286	1.214	1.211	1.027	1.008	1.149	10.79
51)	T	2-Hexanone			0.999	1.018	1.031	0.844	0.827	0.944	10.56
52)	T	Tetrachloroethene	0.572	0.359	0.401	0.361	0.371	0.343	0.345	0.393	20.64
53)	T	Toluene			1.239	1.203	1.202	1.125	1.108	1.175	4.76
54)	T	1,2-Dibromoethane	0.574		0.543	0.538	0.520	0.508	0.510	0.532	4.74
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.576	0.575	0.576	0.510	0.515	0.550	6.30
57)	T	Chlorobenzene			1.024	0.979	0.994	0.875	0.871	0.949	7.46
58)	T	Ethyl Benzene			1.850	1.822	1.894	1.671	1.645	1.776	6.28
59)	T	m/p-Xylene			1.505	1.472	1.484	1.321	1.309	1.418	6.71
60)	T	o-Xylene			1.521	1.475	1.499	1.328	1.287	1.422	7.50
61)	T	Styrene			0.709	0.722	0.735	0.683	0.668	0.703	3.92
62)		Isopropylbenzene			2.290	2.199	2.261	1.962	1.920	2.126	8.14
63)	T	1,1,2,2-Tetrac...	0.986	0.800	0.907	0.889	0.893	0.796	0.777	0.864	8.78
64)		n-propylbenzene			0.578	0.581	0.576	0.499	0.502	0.547	7.81
65)		tert-Butylbenzene			2.190	2.071	2.144	1.736	1.691	1.966	11.96
66)	T	Benzyl Chloride			0.217	0.213	0.221	0.203	0.189	0.209	6.06
67)		sec-Butylbenzene			3.005	2.994	2.947	2.404	2.316	2.733	12.54
68)	S	1-Bromo-4-Fluo...	0.820	0.827	0.832	0.810	0.828	0.813	0.820	0.821	0.98
69)		p-Isopropyltol...			2.554	2.551	2.560	2.078	2.025	2.354	11.74
70)		n-Butylbenzene			2.536	2.598	2.682	2.137	2.082	2.407	11.51
71)		2-Chlorotoluene			1.717	1.728	1.759	1.538	1.510	1.650	7.07
72)	T	4-Ethyltoluene			1.834	1.859	1.929	1.629	1.601	1.770	8.26
73)	T	1,3,5-Trimethy...			1.616	1.671	1.677	1.387	1.381	1.546	9.71
74)	T	1,2,4-Trimethy...			1.994	1.958	1.966	1.510	1.478	1.781	14.74
75)	T	1,3-Dichlorobe...			1.036	1.022	1.063	0.882	0.882	0.977	8.99
76)	T	1,4-Dichlorobe...			1.030	1.017	1.040	0.888	0.886	0.972	8.05
77)	T	1,2-Dichlorobe...			1.012	1.031	1.014	0.850	0.850	0.951	9.78
78)	T	Hexachloro-1,3...			1.057	1.113	1.086	0.802	0.784	0.968	16.65
79)	T	Naphthalene	1.637		1.979	2.181	2.314	1.806	1.773	1.948	13.31
80)	T	Naphthalene,2-...			0.721	0.891	1.163	0.990	1.013	0.955	17.09
81)	T	1,2,4-Trichlor...			0.821	0.941	1.028	0.859	0.843	0.899	9.51

(#) = Out of Range

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1691 SAS No.: Q1691 SDG No.: Q1691

Instrument ID: MSVOA_L Calibration Date/Time: 04/04/2025 08:58

Lab File ID: VL042215.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 08:26 11:36

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

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.476	1.405		-4.81	30
Chloromethane	0.603	0.556		-7.79	30
Vinyl Chloride	0.639	0.525		-17.84	30
Bromomethane	0.273	0.237		-13.19	30
Chloroethane	0.242	0.212		-12.4	30
Tetrahydrofuran	0.418	0.366		-12.44	30
Trichlorofluoromethane	1.437	1.368		-4.8	30
1,1,2-Trichlorotrifluoroethane	1.181	1.042		-11.77	30
Dichlorotetrafluoroethane	1.257	1.215		-3.34	30
tert-Butyl alcohol	1.742	1.412		-18.94	30
Heptane	1.839	1.552		-15.61	30
1,1-Dichloroethene	0.552	0.469		-15.04	30
Acetone	1.399	1.172		-16.23	30
Carbon Disulfide	1.503	1.304		-13.24	30
Methyl tert-Butyl Ether	0.873	0.700		-19.82	30
Methylene Chloride	0.521	0.407		-21.88	30
trans-1,2-Dichloroethene	0.638	0.522		-18.18	30
1,1-Dichloroethane	1.183	1.062		-10.23	30
Cyclohexane	1.217	1.048		-13.89	30
2-Butanone	0.725	0.669		-7.72	30
Carbon Tetrachloride	0.781	0.794		1.66	30
cis-1,2-Dichloroethene	1.423	1.299		-8.71	30
Chloroform	2.052	2.021		-1.51	30
1,1,1-Trichloroethane	2.349	2.143		-8.77	30
2,2,4-Trimethylpentane	1.675	1.519		-9.31	30
Benzene	0.991	0.900		-9.18	30
1,2-Dichloroethane	0.568	0.591		4.05	30
Trichloroethene	0.414	0.384		-7.25	30
1,2-Dichloropropane	0.361	0.328		-9.14	30
Bromodichloromethane	0.782	0.802		2.56	30
4-Methyl-2-Pentanone	1.149	0.935		-18.63	30
Toluene	1.175	1.056		-10.13	30
t-1,3-Dichloropropene	0.450	0.379		-15.78	30
cis-1,3-Dichloropropene	0.552	0.479		-13.23	30
1,1,2-Trichloroethane	0.382	0.364		-4.71	30
Dibromochloromethane	0.647	0.652		0.77	30
1,2-Dibromoethane	0.532	0.505		-5.07	30
Tetrachloroethene	0.393	0.328		-16.54	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: GFEL01

Lab Code: CHEM Case No.: Q1691 SAS No.: Q1691 SDG No.: Q1691

Instrument ID: MSVOA_L Calibration Date/Time: 04/04/2025 08:58

Lab File ID: VL042215.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 08:26 11:36

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

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	0.949	0.937		-1.26	30
Ethyl Benzene	1.776	1.694		-4.62	30
m/p-Xylene	1.418	1.420		0.14	30
o-Xylene	1.422	1.395		-1.9	30
Styrene	0.703	0.661		-5.97	30
Bromoform	0.581	0.562		-3.27	30
1,1,2,2-Tetrachloroethane	0.864	0.871		0.81	30
2-Chlorotoluene	1.650	1.655		0.3	30
1,3,5-Trimethylbenzene	1.546	1.558		0.78	30
1,2,4-Trimethylbenzene	1.781	1.730		-2.86	30
1,3-Dichlorobenzene	0.977	1.009		3.28	30
1,4-Dichlorobenzene	0.972	1.006		3.5	30
1,2-Dichlorobenzene	0.951	0.990		4.1	30
1,2,4-Trichlorobenzene	0.899	0.896		-0.33	30
Hexachloro-1,3-Butadiene	0.968	0.830		-14.26	30
1,3-Butadiene	0.683	0.570		-16.55	30
Naphthalene	1.948	2.004		2.88	30
4-Ethyltoluene	1.770	1.797		1.52	30
1-Bromo-4-Fluorobenzene	0.821	0.826		0.61	30
Hexane	1.402	1.237		-11.77	30
Allyl Chloride	0.986	0.844		-14.4	30
1,4-Dioxane	191.626	156.368		-18.4	30
Methyl Methacrylate	0.420	0.356		-15.24	30

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