284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Process Report

Order ID : q3744

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
12/02/2025	B2511037	Q3744-03	-4.7	10604	6 L	10550		C2510005	**VL043134.D** Seq :VL101725 TUNE : VL043130.D ICAL : VL043110.D CCAL : VL043131.D MB : VL043132.D
12/02/2025	B2511037	Q3744-04	-4.3	10601	6 L	10511		C2510005	**VL043134.D** Seq :VL101725 TUNE : VL043130.D ICAL : VL043110.D CCAL : VL043131.D MB : VL043132.D
12/02/2025	B2511037	Q3744-05	-2.7	10443	6 L	10648		C2510005	**VL043134.D** Seq :VL101725 TUNE : VL043130.D ICAL : VL043110.D CCAL : VL043131.D MB : VL043132.D
12/02/2025	B2511037	Q3744-01	-5.1	10311	6 L	10185		C2510005	**VL043134.D** Seq :VL101725 TUNE : VL043130.D ICAL : VL043110.D CCAL : VL043131.D MB : VL043132.D
12/02/2025	B2511037	Q3744-02	-3.5	10285	6 L	10707		C2510005	**VL043134.D** Seq :VL101725 TUNE : VL043130.D ICAL : VL043110.D CCAL : VL043131.D MB : VL043132.D

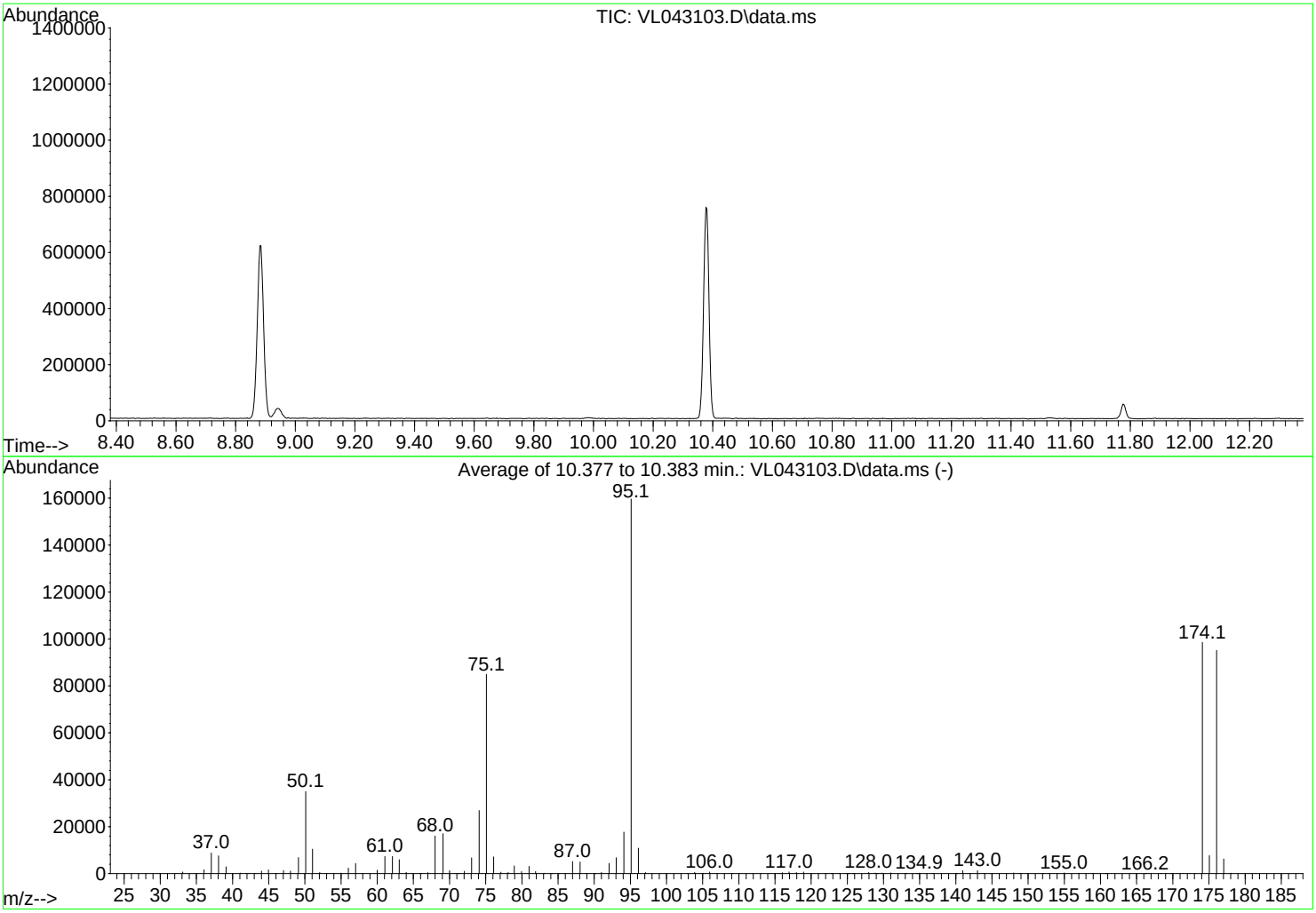
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043103.D
Acq On : 14 Oct 2025 08:42
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Wed Oct 15 02:12:58 2025



AutoFind: Scans 3179, 3180, 3181; Background Corrected with Scan 3159

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.9	35021	PASS
75	95	30	66	53.2	84899	PASS
95	95	100	100	100.0	159660	PASS
96	95	5	9	6.8	10862	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	61.7	98536	PASS
175	174	4	9	7.8	7669	PASS
176	174	93	101	96.5	95125	PASS
177	176	5	9	6.6	6237	PASS

Average of 10.377 to 10.383 min.: VL043103.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
33.10	678	45.90	92	57.00	4329	69.10	1705
36.05	1649	47.05	1356	58.05	156	70.00	125
37.05	8803	48.00	1116	60.00	1471	70.70	4
38.05	7582	49.10	6864	61.05	7364	70.90	6
39.10	2897	50.10	35021	62.10	7323	71.20	30
41.10	216	51.05	10411	63.05	5960	72.05	989
41.85	155	52.05	464	64.00	555	73.05	6713
42.20	51	53.05	99	64.90	107	74.10	26912
43.20	141	53.90	66	66.00	21	75.10	84899
44.00	1066	55.00	227	67.00	401	76.10	7154
44.95	1561	56.00	2392	68.00	16058	77.10	609

Instrument :
MSVOA_L
ClientSampleId :
BFB

Average of 10.377 to 10.383 min.: VL043103.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
78.10	547	88.80	66	104.90	96	116.95	731
78.95	3267	90.10	23	105.10	98	117.95	489
79.95	849	91.00	470	105.95	658	118.95	646
81.00	3075	92.05	4394	106.95	133	122.15	88
81.90	894	93.05	6769	109.15	79	122.80	36
83.05	174	94.10	17698	110.00	104	123.95	104
84.10	11	95.10	159660	111.90	140	124.80	48
85.15	151	96.10	10862	113.05	117	125.10	22
86.00	122	97.10	451	115.00	138	125.80	25
87.00	5156	102.90	75	115.60	71	127.95	496
88.05	4968	103.90	541	116.00	350	128.85	219

Average of 10.377 to 10.383 min.: VL043103.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
129.20	37	141.90	157	152.85	142	171.50	128
129.80	225	143.00	1303	154.05	106	172.05	103
130.00	213	143.90	121	155.00	312	174.10	98536
131.00	303	144.75	83	157.00	199	175.05	7669
133.10	19	145.10	42	158.95	159	176.05	95125
134.60	38	146.05	150	160.70	27	177.05	6237
134.95	203	147.00	115	160.90	91	178.05	186
136.70	112	148.00	286	166.20	19		
136.90	134	148.80	100	168.35	50		
140.10	20	149.95	150	169.80	113		
140.95	1257	152.00	23	170.65	62		

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL101425AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Wed Oct 15 02:12:58 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL043110.D 0.1 =VL043109.D 0.5 =VL043108.D 1 =VL043107.D 2 =VL043106.D 10 =VL043105.D 15 =VL043111.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.545	1.527	1.481	1.278	1.278	1.422	9.38
3)		Chlorodifluoro...			1.672	1.632	1.577	1.451	1.359	1.538	8.46
4)		Chloromethane			0.640	0.621	0.579	0.500	0.477	0.563	12.89
5)	T	Vinyl Chloride	0.723	0.554	0.562	0.557	0.528	0.481	0.462	0.552	15.33
6)	T	Bromomethane			0.336	0.338	0.317	0.260	0.263	0.303	12.78
7)		Chloroethane			0.261	0.256	0.238	0.192	0.183	0.226	16.03
8)	T	Dichlorotetraf...			1.175	1.265	1.230	1.040	1.036	1.149	9.26
9)	T	Propene			0.738	0.713	0.721	0.655	0.585	0.682	9.20
10)	T	Heptane			2.184	2.151	2.032	1.803	1.650	1.964	11.73
11)	T	Trichlorofluor...			1.510	1.459	1.477	1.242	1.265	1.391	9.11
12)	T	1,1,2-Trichlor...			1.215	1.220	1.191	0.976	0.996	1.120	10.97
13)		Ethanol			0.289	0.307	0.302	0.193	0.171	0.252	25.86
14)	T	Bromoethene			0.481	0.434	0.431	0.371	0.362	0.416	11.84
15)	T	Acetone			1.561	1.522	1.508	1.091	1.058	1.348	18.60
16)	T	1,3-Butadiene			0.780	0.700	0.649	0.552	0.531	0.642	16.07
17)		tert-Butyl alc...			2.010	2.047	1.934	1.689	1.571	1.850	11.31
18)	T	1,1-Dichloroet...			0.519	0.539	0.512	0.437	0.434	0.488	10.07
19)	T	Isopropyl Alcohol			0.971	0.958	0.870	0.725	0.674	0.839	16.03
20)	T	Methylene Chlo...			0.738	0.612	0.508	0.406	0.400	0.533	26.98
21)	T	Allyl Chloride			1.097	1.049	1.040	0.910	0.869	0.993	9.86
22)	T	trans-1,2-Dich...			0.609	0.696	0.594	0.511	0.508	0.583	13.38
23)	T	Vinyl Acetate			2.148	1.904	2.292	1.623	1.905	1.974	13.03
24)	T	1,1-Dichloroet...			1.169	1.237	1.190	1.031	1.009	1.127	8.99
25)	T	Ethyl Acetate			3.526	3.626	3.558	3.132	2.871	3.342	9.77
26)	T	Hexane			1.753	1.677	1.548	1.406	1.318	1.540	11.77
27)	T	Carbon Disulfide			1.423	1.540	1.505	1.315	1.272	1.411	8.26
28)	T	Methyl tert-Bu...			0.742	0.767	0.769	0.587	0.638	0.701	11.86
29)	T	Chloroform			2.437	2.397	2.296	2.030	1.997	2.232	9.22
30)	T	Cyclohexane			1.493	1.448	1.390	1.214	1.176	1.344	10.53
31)	T	cis-1,2-Dichlo...			1.491	1.594	1.516	1.405	1.348	1.471	6.55
32)	T	1,1,1-Trichlor...	2.165	2.605	2.407	2.439	2.424	2.136	2.092	2.324	8.31
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.753	0.708	0.707	0.606	0.587	0.672	10.68
35)	T	Carbon Tetrach...	0.752	0.761	0.710	0.743	0.745	0.649	0.674	0.719	5.96
36)	T	Benzene			0.974	0.980	1.023	0.871	0.862	0.942	7.60
37)	T	1,2-Dichloroet...			0.589	0.571	0.565	0.485	0.502	0.543	8.49
38)	T	Trichloroethene	0.460	0.421	0.401	0.402	0.398	0.342	0.330	0.393	11.38
39)	T	1,2-Dichloropr...			0.359	0.370	0.371	0.317	0.305	0.344	8.99

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL101425AIR.M

40)	T	1,4-Dioxane			0.166	0.166	0.162	0.141	0.135	0.154	9.56
41)	T	Tetrahydrofuran			0.427	0.394	0.384	0.343	0.332	0.376	10.32
42)	T	Bromodichlorom...			0.779	0.775	0.791	0.697	0.713	0.751	5.68
43)		Methyl Methacr...			0.500	0.511	0.493	0.450	0.437	0.478	6.85
44)	T	2,2,4-Trimethy...			1.695	1.706	1.683	1.460	1.401	1.589	9.22
45)	T	t-1,3-Dichloro...			0.478	0.502	0.506	0.462	0.453	0.480	4.94
46)	T	cis-1,3-Dichlo...			0.593	0.590	0.603	0.546	0.535	0.573	5.34
47)	T	1,1,2-Trichlor...			0.416	0.383	0.384	0.338	0.338	0.372	9.07
48)	T	Dibromochlorom...			0.619	0.650	0.667	0.589	0.582	0.622	5.96
49)	T	Bromoform			0.503	0.515	0.544	0.487	0.478	0.505	5.14
50)	T	4-Methyl-2-Pen...			0.969	0.989	0.974	0.873	0.833	0.928	7.55
51)	T	2-Hexanone			0.683	0.708	0.738	0.692	0.658	0.696	4.31
52)	T	Tetrachloroethene	0.354	0.345	0.349	0.366	0.353	0.312	0.298	0.340	7.27
53)	T	Toluene			1.212	1.162	1.176	1.036	1.003	1.118	8.28
54)	T	1,2-Dibromoethane		0.662	0.570	0.586	0.617	0.533	0.526	0.582	8.84
55)	I	Chlorobenzene-d5	----------ISTD----------								
56)		1,1,1,2-Tetrac...			0.662	0.664	0.665	0.590	0.570	0.630	7.32
57)	T	Chlorobenzene			1.010	1.009	1.000	0.849	0.810	0.936	10.47
58)	T	Ethyl Benzene			1.801	1.815	1.824	1.599	1.543	1.716	7.84
59)	T	m/p-Xylene			1.463	1.457	1.476	1.238	1.210	1.369	9.71
60)	T	o-Xylene			1.433	1.471	1.454	1.224	1.177	1.352	10.34
61)	T	Styrene			0.597	0.649	0.664	0.578	0.564	0.610	7.17
62)		Isopropylbenzene			2.564	2.671	2.616	2.241	2.123	2.443	10.02
63)	T	1,1,2,2-Tetrac...	1.029	1.019	0.900	0.924	0.933	0.777	0.755	0.905	11.78
64)		n-propylbenzene			0.688	0.710	0.696	0.589	0.551	0.647	11.10
65)		tert-Butylbenzene			2.342	2.383	2.364	1.901	1.796	2.157	13.20
66)	T	Benzyl Chloride			0.229	0.259	0.250	0.241	0.221	0.240	6.35
67)		sec-Butylbenzene			3.313	3.378	3.357	2.697	2.565	3.062	12.96
68)	S	1-Bromo-4-Fluo...	0.765	0.780	0.768	0.770	0.779	0.781	0.798	0.777	1.44
69)		p-Isopropyltol...			2.726	2.896	2.871	2.330	2.186	2.602	12.47
70)		n-Butylbenzene			2.611	2.820	2.849	2.321	2.218	2.564	11.16
71)		2-Chlorotoluene			1.959	1.997	2.018	1.698	1.645	1.863	9.53
72)	T	4-Ethyltoluene			1.741	1.761	1.805	1.530	1.475	1.662	8.97
73)	T	1,3,5-Trimethy...			1.434	1.466	1.477	1.261	1.217	1.371	8.95
74)	T	1,2,4-Trimethy...			1.691	1.706	1.664	1.331	1.278	1.534	13.75
75)	T	1,3-Dichlorobe...			0.903	0.956	1.000	0.818	0.773	0.890	10.57
76)	T	1,4-Dichlorobe...			0.957	0.957	0.971	0.823	0.779	0.897	9.96
77)	T	1,2-Dichlorobe...			0.944	0.954	0.914	0.766	0.727	0.861	12.40
78)	T	Hexachloro-1,3...			0.751	0.764	0.746	0.555	0.516	0.667	18.08
79)	T	Naphthalene		1.265	1.532	1.766	1.971	1.580	1.507	1.604	15.04
80)	T	Naphthalene,2-...			0.255	0.355	0.515	0.478	0.485	0.418	26.20
81)	T	1,2,4-Trichlor...			0.553	0.726	0.803	0.638	0.608	0.666	14.90

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043105.D
Acq On : 14 Oct 2025 10:31
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:51:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	103971	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	341790	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	309230	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	241468	10.046	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	132845	8.987	ppbv	100
3) Chlorodifluoromethane	1.476	51	150832	9.431	ppbv	100
4) Chloromethane	1.535	50	51934	8.869	ppbv	100
5) Vinyl Chloride	1.583	62	50044	8.713	ppbv	100
6) Bromomethane	1.671	94	27062	8.593	ppbv	100
7) Chloroethane	1.706	64	19941	8.492	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	108109	9.049	ppbv	100
9) Propene	1.483	41	68116	9.602	ppbv	100
10) Heptane	4.985	43	187423	9.217	ppbv	100
11) Trichlorofluoromethane	1.881	101	129180	8.935	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	101442	8.715	ppbv	100
13) Ethanol	1.722	45	20045	7.640	ppbv	100
14) Bromoethene	1.784	108	38553	8.916	ppbv	100
15) Acetone	1.836	43	113399	8.047	ppbv	100
16) 1,3-Butadiene	1.612	39	57406	8.596	ppbv	100
17) tert-Butyl alcohol	2.043	59	175630	9.130	ppbv	100
18) 1,1-Dichloroethene	2.036	96	45413	8.949	ppbv	100
19) Isopropyl Alcohol	1.887	45	75355	8.634	ppbv	97
20) Methylene Chloride	2.065	84	42212	7.620	ppbv	100
21) Allyl Chloride	2.098	41	94625	9.145	ppbv	100
22) trans-1,2-Dichloroethene	2.344	96	53146	8.761	ppbv	100
23) Vinyl Acetate	2.467	43	168706	8.218	ppbv	100
24) 1,1-Dichloroethane	2.412	63	107153	9.143	ppbv	100
25) Ethyl Acetate	2.839	43	325662	9.371	ppbv	100
26) Hexane	2.829	57	146168	9.128	ppbv	99
27) Carbon Disulfide	2.153	76	136729	9.319	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	61076	8.384	ppbv	98
29) Chloroform	2.852	83	211071	9.097	ppbv	100
30) Cyclohexane	3.862	84	126226	9.037	ppbv	100
31) cis-1,2-Dichloroethene	2.722	61	146072	9.553	ppbv	100
32) 1,1,1-Trichloroethane	3.373	97	222043	9.189	ppbv	100
34) 2-Butanone	2.557	43	207274	8.971	ppbv	100
35) Carbon Tetrachloride	3.768	117	221937	9.032	ppbv	100
36) Benzene	3.661	78	297653	9.246	ppbv	100
37) 1,2-Dichloroethane	3.221	62	165898	8.946	ppbv	100
38) Trichloroethene	4.554	130	116947	8.708	ppbv	100
39) 1,2-Dichloropropane	4.315	63	108446	9.207	ppbv	100
40) 1,4-Dioxane	4.583	88	48201	9.153	ppbv #	97
41) Tetrahydrofuran	3.056	42	117069	9.076	ppbv	100
42) Bromodichloromethane	4.496	83	238353	9.286	ppbv	100
43) Methyl Methacrylate	4.881	69	153927	9.371	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	499148	9.273	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	157856	9.620	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043105.D
Acq On : 14 Oct 2025 10:31
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:51:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	186533	9.525	ppbv	100
47) 1,1,2-Trichloroethane	6.584	97	115419	9.082	ppbv	100
48) Dibromochloromethane	7.390	129	201349	9.476	ppbv	100
49) Bromoform	9.487	173	166377	9.633	ppbv	100
50) 4-Methyl-2-Pentanone	5.755	43	298401	9.362	ppbv	100
51) 2-Hexanone	7.438	43	236391	9.940	ppbv	100
52) Tetrachloroethene	8.228	164	106710	9.192	ppbv	100
53) Toluene	6.940	91	354007	9.266	ppbv	100
54) 1,2-Dibromoethane	7.658	107	182074	9.080	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.927	131	182585	9.367	ppbv	100
57) Chlorobenzene	8.927	112	262566	9.076	ppbv	100
58) Ethyl Benzene	9.358	91	494344	9.241	ppbv	100
59) m/p-Xylene	9.536	91	765374m	18.067	ppbv	
60) o-Xylene	9.969	91	378462	9.053	ppbv	100
61) Styrene	9.875	104	178859	9.477	ppbv	100
62) Isopropylbenzene	10.542	105	692992	9.173	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	240245	8.582	ppbv	100
64) n-propylbenzene	10.992	120	182233	9.112	ppbv	100
65) tert-Butylbenzene	11.536	119	587750	8.810	ppbv	100
66) Benzyl Chloride	11.617	91	74574	10.009	ppbv	100
67) sec-Butylbenzene	11.769	105	834052	8.809	ppbv	100
69) p-Isopropyltoluene	11.927	119	720433	8.955	ppbv	100
70) n-Butylbenzene	12.283	91	717743	9.053	ppbv	100
71) 2-Chlorotoluene	10.905	91	524961	9.111	ppbv	100
72) 4-Ethyltoluene	11.128	105	473042	9.202	ppbv	100
73) 1,3,5-Trimethylbenzene	11.206	105	389818	9.195	ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	411619	8.676	ppbv	100
75) 1,3-Dichlorobenzene	11.610	146	252926	9.192	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	254461	9.171	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	236724	8.893	ppbv	100
78) Hexachloro-1,3-Butadiene	13.886	225	171777	8.334	ppbv	100
79) Naphthalene	13.517	128	488672	9.972	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	147897	11.431	ppbv	100
81) 1,2,4-Trichlorobenzene	13.442	180	197210	9.582	ppbv	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

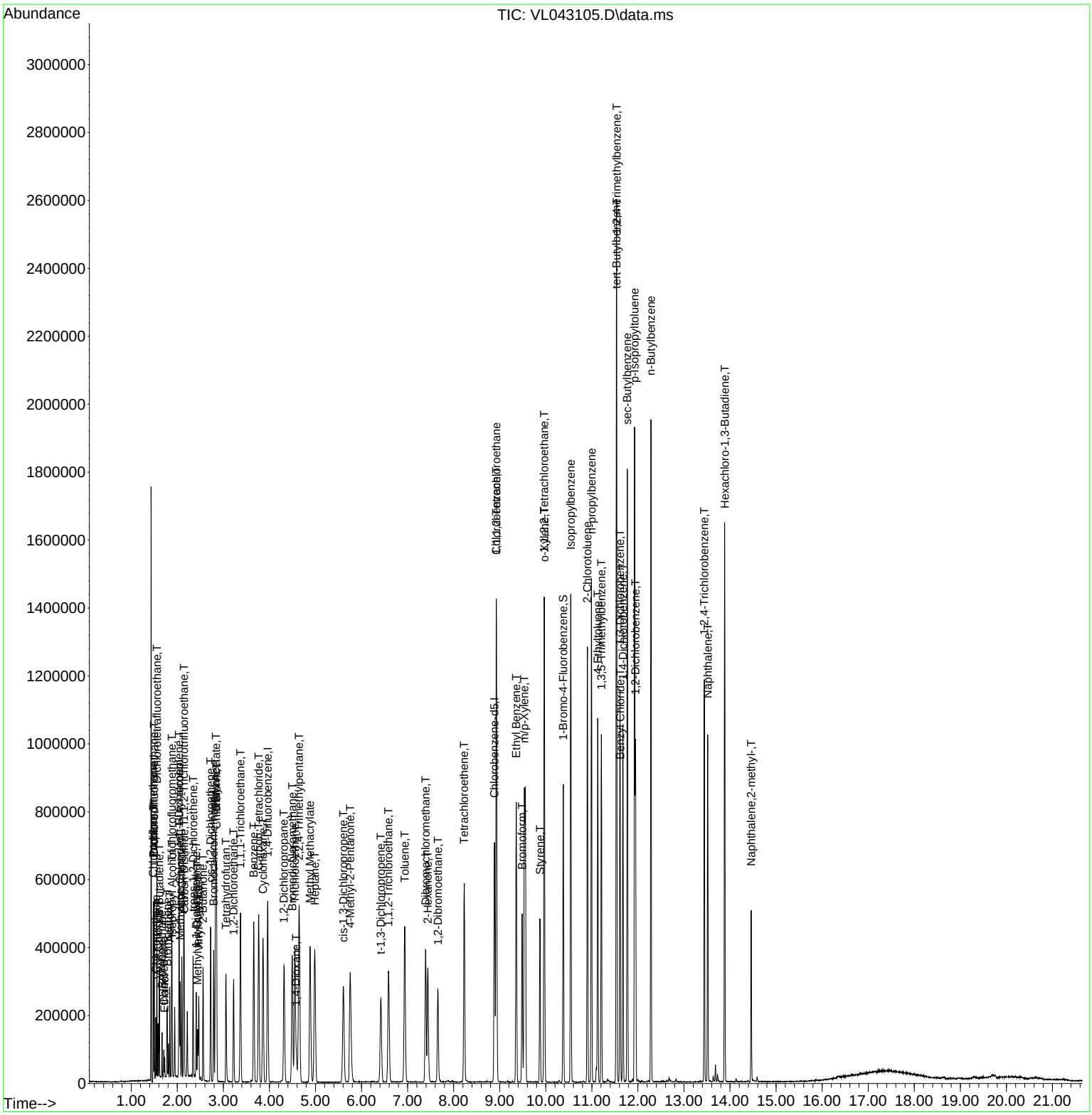
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043105.D
Acq On : 14 Oct 2025 10:31
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:51:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043106.D
Acq On : 14 Oct 2025 11:27
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.791	49	105309	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	342939	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	313603	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	244329	10.024	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	31189	2.083	ppbv	99
3) Chlorodifluoromethane	1.476	51	33217	2.050	ppbv	96
4) Chloromethane	1.535	50	12185	2.054	ppbv	93
5) Vinyl Chloride	1.583	62	11114	1.911	ppbv	92
6) Bromomethane	1.671	94	6672	2.092	ppbv	95
7) Chloroethane	1.706	64	5008	2.106	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	25897	2.140	ppbv	100
9) Propene	1.486	41	15177	2.112	ppbv	94
10) Heptane	4.982	43	42790	2.078	ppbv	97
11) Trichlorofluoromethane	1.881	101	31114	2.125	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	25091	2.128	ppbv	100
13) Ethanol	1.722	45	6363	2.394	ppbv	95
14) Bromoethene	1.784	108	9087	2.075	ppbv	97
15) Acetone	1.836	43	31756	2.225	ppbv	97
16) 1,3-Butadiene	1.612	39	13668	2.021	ppbv	99
17) tert-Butyl alcohol	2.043	59	40738	2.091	ppbv	96
18) 1,1-Dichloroethene	2.036	96	10794	2.100	ppbv	99
19) Isopropyl Alcohol	1.888	45	18326	2.073	ppbv #	40
20) Methylene Chloride	2.062	84	10694	1.906	ppbv #	82
21) Allyl Chloride	2.098	41	21902	2.090	ppbv	93
22) trans-1,2-Dichloroethene	2.344	96	12511	2.036	ppbv	98
23) Vinyl Acetate	2.464	43	48282	2.322	ppbv #	96
24) 1,1-Dichloroethane	2.412	63	25066	2.112	ppbv	99
25) Ethyl Acetate	2.836	43	74929	2.129	ppbv	99
26) Hexane	2.829	57	32595	2.010	ppbv	93
27) Carbon Disulfide	2.153	76	31705	2.134	ppbv	95
28) Methyl tert-Butyl Ether	2.441	73	16207	2.196	ppbv	98
29) Chloroform	2.849	83	48367	2.058	ppbv	99
30) Cyclohexane	3.859	84	29270	2.069	ppbv	99
31) cis-1,2-Dichloroethene	2.723	61	31925	2.061	ppbv	97
32) 1,1,1-Trichloroethane	3.370	97	51049	2.086	ppbv	98
34) 2-Butanone	2.558	43	48458	2.090	ppbv	99
35) Carbon Tetrachloride	3.765	117	51073	2.071	ppbv	97
36) Benzene	3.658	78	70156	2.172	ppbv	98
37) 1,2-Dichloroethane	3.218	62	38767	2.083	ppbv	100
38) Trichloroethene	4.551	130	27272	2.024	ppbv	96
39) 1,2-Dichloropropane	4.315	63	25427	2.151	ppbv	92
40) 1,4-Dioxane	4.584	88	11102m	2.101	ppbv	
41) Tetrahydrofuran	3.059	42	26362	2.037	ppbv	98
42) Bromodichloromethane	4.496	83	54224	2.106	ppbv #	93
43) Methyl Methacrylate	4.878	69	33805	2.051	ppbv	99
44) 2,2,4-Trimethylpentane	4.642	57	115417	2.137	ppbv	99
45) t-1,3-Dichloropropene	6.416	75	34728	2.109	ppbv	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043106.D
Acq On : 14 Oct 2025 11:27
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	41365m	2.105	ppbv		
47) 1,1,2-Trichloroethane	6.584	97	26359	2.067	ppbv		94
48) Dibromochloromethane	7.390	129	45751	2.146	ppbv		99
49) Bromoform	9.484	173	37314	2.153	ppbv		99
50) 4-Methyl-2-Pentanone	5.752	43	66811	2.089	ppbv		99
51) 2-Hexanone	7.438	43	50642	2.122	ppbv	#	99
52) Tetrachloroethene	8.228	164	24183	2.076	ppbv		91
53) Toluene	6.937	91	80660	2.104	ppbv		99
54) 1,2-Dibromoethane	7.655	107	42320	2.103	ppbv		94
56) 1,1,1,2-Tetrachloroethane	8.924	131	41712	2.110	ppbv		94
57) Chlorobenzene	8.924	112	62714	2.138	ppbv		97
58) Ethyl Benzene	9.354	91	114403	2.109	ppbv		99
59) m/p-Xylene	9.532	91	185190m	4.311	ppbv		
60) o-Xylene	9.963	91	91223	2.152	ppbv		98
61) Styrene	9.872	104	41631	2.175	ppbv		98
62) Isopropylbenzene	10.539	105	164073	2.142	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.966	83	58510	2.061	ppbv		99
64) n-propylbenzene	10.989	120	43648	2.152	ppbv		96
65) tert-Butylbenzene	11.529	119	148300	2.192	ppbv		99
66) Benzyl Chloride	11.617	91	15656	2.072	ppbv		98
67) sec-Butylbenzene	11.769	105	210525	2.193	ppbv		99
69) p-Isopropyltoluene	11.928	119	180060	2.207	ppbv		99
70) n-Butylbenzene	12.284	91	178676	2.222	ppbv		98
71) 2-Chlorotoluene	10.902	91	126551	2.166	ppbv		99
72) 4-Ethyltoluene	11.125	105	113233	2.172	ppbv		98
73) 1,3,5-Trimethylbenzene	11.206	105	92650	2.155	ppbv		99
74) 1,2,4-Trimethylbenzene	11.536	105	104352	2.169	ppbv		98
75) 1,3-Dichlorobenzene	11.607	146	62709	2.247	ppbv		99
76) 1,4-Dichlorobenzene	11.672	146	60877	2.164	ppbv		100
77) 1,2-Dichlorobenzene	11.947	146	57304	2.123	ppbv		97
78) Hexachloro-1,3-Butadiene	13.883	225	46796	2.239	ppbv		98
79) Naphthalene	13.514	128	123642	2.488	ppbv		99
80) Naphthalene,2-methyl-	14.459	142	32308	2.462	ppbv		98
81) 1,2,4-Trichlorobenzene	13.442	180	50394	2.414	ppbv		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

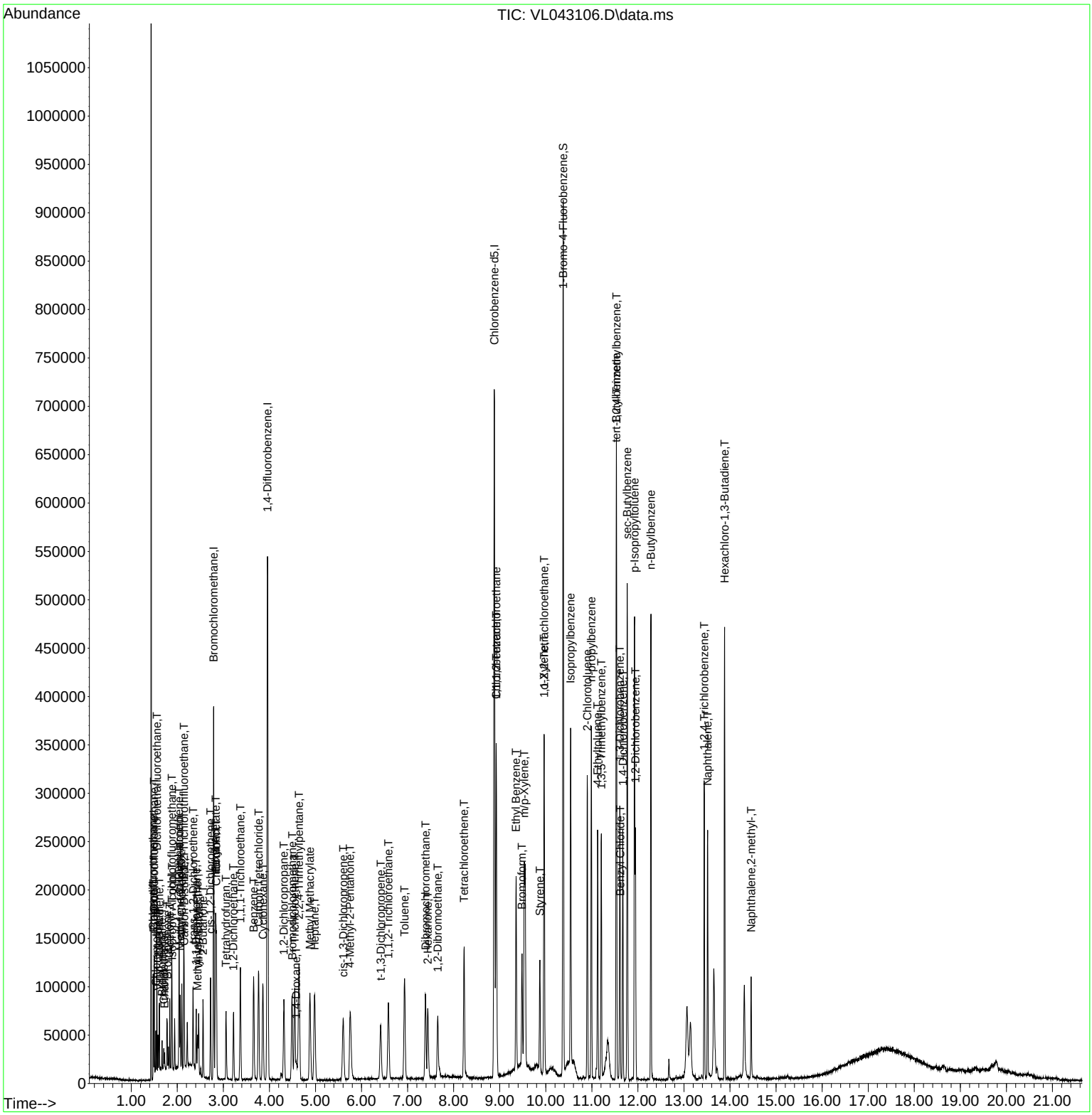
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043106.D
Acq On : 14 Oct 2025 11:27
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043107.D
Acq On : 14 Oct 2025 12:01
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:52:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	102307	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.955	114	336268	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	305409	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	235307	9.912	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	15620	1.074	ppbv		99
3) Chlorodifluoromethane	1.476	51	16692	1.061	ppbv	#	91
4) Chloromethane	1.534	50	6353	1.103	ppbv		93
5) Vinyl Chloride	1.580	62	5694	1.008	ppbv		96
6) Bromomethane	1.667	94	3462	1.117	ppbv		98
7) Chloroethane	1.706	64	2615	1.132	ppbv	#	82
8) Dichlorotetrafluoroethane	1.554	85	12940	1.101	ppbv		98
9) Propene	1.483	41	7291	1.045	ppbv		100
10) Heptane	4.978	43	22011	1.100	ppbv		99
11) Trichlorofluoromethane	1.877	101	14927	1.049	ppbv		85
12) 1,1,2-Trichlorotrifluo...	2.140	101	12484	1.090	ppbv		99
13) Ethanol	1.722	45	3143	1.217	ppbv		83
14) Bromoethene	1.780	108	4440	1.043	ppbv	#	90
15) Acetone	1.835	43	15572	1.123	ppbv		90
16) 1,3-Butadiene	1.609	39	7157	1.089	ppbv		97
17) tert-Butyl alcohol	2.043	59	20941	1.106	ppbv	#	90
18) 1,1-Dichloroethene	2.036	96	5510	1.103	ppbv		88
19) Isopropyl Alcohol	1.887	45	9796	1.141	ppbv	#	85
20) Methylene Chloride	2.062	84	6261	1.149	ppbv		96
21) Allyl Chloride	2.094	41	10737	1.055	ppbv	#	82
22) trans-1,2-Dichloroethene	2.340	96	7119	1.193	ppbv		92
23) Vinyl Acetate	2.463	43	19477	0.964	ppbv		99
24) 1,1-Dichloroethane	2.405	63	12656	1.097	ppbv	#	94
25) Ethyl Acetate	2.832	43	37093	1.085	ppbv		98
26) Hexane	2.826	57	17152	1.089	ppbv		98
27) Carbon Disulfide	2.149	76	15760	1.092	ppbv	#	60
28) Methyl tert-Butyl Ether	2.441	73	7847	1.095	ppbv	#	87
29) Chloroform	2.845	83	24527	1.074	ppbv		90
30) Cyclohexane	3.855	84	14819	1.078	ppbv		97
31) cis-1,2-Dichloroethene	2.719	61	16311	1.084	ppbv		93
32) 1,1,1-Trichloroethane	3.366	97	24948	1.049	ppbv		98
34) 2-Butanone	2.557	43	23811	1.047	ppbv		100
35) Carbon Tetrachloride	3.761	117	24969	1.033	ppbv		93
36) Benzene	3.651	78	32940	1.040	ppbv		99
37) 1,2-Dichloroethane	3.217	62	19213	1.053	ppbv		100
38) Trichloroethene	4.544	130	13512	1.023	ppbv		96
39) 1,2-Dichloropropane	4.311	63	12435	1.073	ppbv		92
40) 1,4-Dioxane	4.593	88	5579m	1.077	ppbv		
41) Tetrahydrofuran	3.056	42	13251	1.044	ppbv		99
42) Bromodichloromethane	4.486	83	26069	1.032	ppbv	#	94
43) Methyl Methacrylate	4.878	69	17195	1.064	ppbv		97
44) 2,2,4-Trimethylpentane	4.638	57	57382	1.084	ppbv		96
45) t-1,3-Dichloropropene	6.415	75	16874m	1.045	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043107.D
Acq On : 14 Oct 2025 12:01
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:52:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	19830	1.029	ppbv		94
47) 1,1,2-Trichloroethane	6.577	97	12876	1.030	ppbv		98
48) Dibromochloromethane	7.383	129	21874	1.046	ppbv		97
49) Bromoform	9.480	173	17320	1.019	ppbv		96
50) 4-Methyl-2-Pentanone	5.752	43	33269m	1.061	ppbv		
51) 2-Hexanone	7.441	43	23817	1.018	ppbv	#	95
52) Tetrachloroethene	8.224	164	12319	1.079	ppbv		91
53) Toluene	6.930	91	39079	1.040	ppbv		98
54) 1,2-Dibromoethane	7.652	107	19711	0.999	ppbv		88
56) 1,1,1,2-Tetrachloroethane	8.920	131	20279	1.053	ppbv		96
57) Chlorobenzene	8.920	112	30824	1.079	ppbv		97
58) Ethyl Benzene	9.351	91	55420	1.049	ppbv		96
59) m/p-Xylene	9.552	91	88998m	2.127	ppbv		
60) o-Xylene	9.963	91	44925	1.088	ppbv		100
61) Styrene	9.869	104	19809	1.063	ppbv		98
62) Isopropylbenzene	10.535	105	81579	1.093	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.959	83	28230	1.021	ppbv		100
64) n-propylbenzene	10.985	120	21685	1.098	ppbv		98
65) tert-Butylbenzene	11.529	119	72781	1.105	ppbv		99
66) Benzyl Chloride	11.613	91	7918	1.076	ppbv		97
67) sec-Butylbenzene	11.765	105	103152	1.103	ppbv		100
69) p-Isopropyltoluene	11.924	119	88443	1.113	ppbv		99
70) n-Butylbenzene	12.280	91	86120	1.100	ppbv		98
71) 2-Chlorotoluene	10.898	91	60994	1.072	ppbv		99
72) 4-Ethyltoluene	11.121	105	53788	1.059	ppbv		98
73) 1,3,5-Trimethylbenzene	11.202	105	44786	1.070	ppbv		98
74) 1,2,4-Trimethylbenzene	11.532	105	52118	1.112	ppbv		95
75) 1,3-Dichlorobenzene	11.604	146	29186	1.074	ppbv		99
76) 1,4-Dichlorobenzene	11.668	146	29225	1.066	ppbv		98
77) 1,2-Dichlorobenzene	11.947	146	29146	1.109	ppbv		98
78) Hexachloro-1,3-Butadiene	13.879	225	23330	1.146	ppbv		99
79) Naphthalene	13.510	128	53930	1.114	ppbv		98
80) Naphthalene,2-methyl-	14.458	142	10851	0.849	ppbv		94
81) 1,2,4-Trichlorobenzene	13.439	180	22161	1.090	ppbv		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

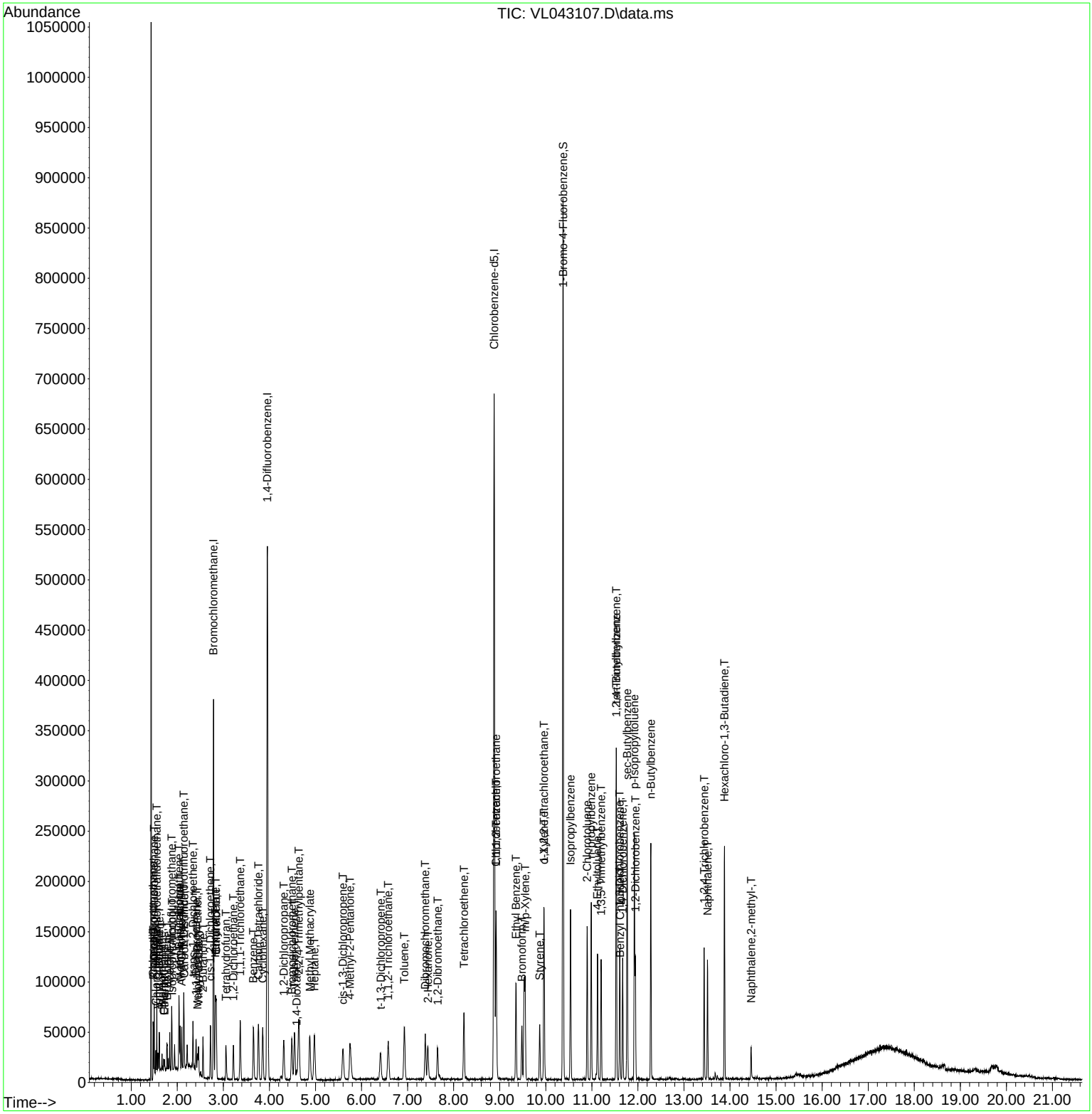
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043107.D
Acq On : 14 Oct 2025 12:01
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:52:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043108.D
Acq On : 14 Oct 2025 12:34
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:53:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	101636	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	336188	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	303445	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	232904	9.875	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	7851	0.543	ppbv	98
3) Chlorodifluoromethane	1.479	51	8497	0.543	ppbv #	89
4) Chloromethane	1.534	50	3254	0.568	ppbv #	88
5) Vinyl Chloride	1.583	62	2857	0.509	ppbv	96
6) Bromomethane	1.670	94	1709	0.555	ppbv	100
7) Chloroethane	1.706	64	1326	0.578	ppbv #	85
8) Dichlorotetrafluoroethane	1.557	85	5970	0.511	ppbv	92
9) Propene	1.486	41	3750	0.541	ppbv	92
10) Heptane	4.981	43	11097m	0.558	ppbv	
11) Trichlorofluoromethane	1.881	101	7672	0.543	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.143	101	6173	0.543	ppbv	100
13) Ethanol	1.725	45	1468	0.572	ppbv	86
14) Bromoethene	1.787	108	2444	0.578	ppbv #	90
15) Acetone	1.839	43	7931	0.576	ppbv #	88
16) 1,3-Butadiene	1.612	39	3962	0.607	ppbv	91
17) tert-Butyl alcohol	2.046	59	10213	0.543	ppbv #	88
18) 1,1-Dichloroethene	2.039	96	2636	0.531	ppbv	91
19) Isopropyl Alcohol	1.887	45	4932	0.578	ppbv #	43
20) Methylene Chloride	2.065	84	3750	0.693	ppbv #	75
21) Allyl Chloride	2.098	41	5575	0.551	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	3093	0.522	ppbv	98
23) Vinyl Acetate	2.467	43	10914	0.544	ppbv #	96
24) 1,1-Dichloroethane	2.412	63	5942	0.519	ppbv	99
25) Ethyl Acetate	2.845	43	17918	0.527	ppbv #	96
26) Hexane	2.829	57	8908	0.569	ppbv	95
27) Carbon Disulfide	2.153	76	7230	0.504	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	3770	0.529	ppbv #	47
29) Chloroform	2.852	83	12384	0.546	ppbv	100
30) Cyclohexane	3.862	84	7586m	0.556	ppbv	
31) cis-1,2-Dichloroethene	2.725	61	7576	0.507	ppbv #	88
32) 1,1,1-Trichloroethane	3.373	97	12234	0.518	ppbv	97
34) 2-Butanone	2.564	43	12659	0.557	ppbv	99
35) Carbon Tetrachloride	3.768	117	11931	0.494	ppbv	87
36) Benzene	3.661	78	16376	0.517	ppbv	94
37) 1,2-Dichloroethane	3.224	62	9907	0.543	ppbv	99
38) Trichloroethene	4.554	130	6745	0.511	ppbv	95
39) 1,2-Dichloropropane	4.318	63	6032	0.521	ppbv #	80
40) 1,4-Dioxane	4.609	88	2794m	0.539	ppbv	
41) Tetrahydrofuran	3.065	42	7174m	0.565	ppbv	
42) Bromodichloromethane	4.496	83	13094	0.519	ppbv	96
43) Methyl Methacrylate	4.888	69	8412m	0.521	ppbv	
44) 2,2,4-Trimethylpentane	4.648	57	28494m	0.538	ppbv	
45) t-1,3-Dichloropropene	6.425	75	8030	0.498	ppbv	94

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043108.D
Acq On : 14 Oct 2025 12:34
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:53:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	9973m	0.518	ppbv		
47) 1,1,2-Trichloroethane	6.587	97	6996	0.560	ppbv		92
48) Dibromochloromethane	7.393	129	10413	0.498	ppbv		96
49) Bromoform	9.487	173	8455	0.498	ppbv		96
50) 4-Methyl-2-Pentanone	5.771	43	16289m	0.520	ppbv		
51) 2-Hexanone	7.451	43	11485	0.491	ppbv	#	94
52) Tetrachloroethene	8.231	164	5863	0.513	ppbv	#	90
53) Toluene	6.936	91	20380	0.542	ppbv		99
54) 1,2-Dibromoethane	7.661	107	9586	0.486	ppbv		90
56) 1,1,1,2-Tetrachloroethane	8.930	131	10044	0.525	ppbv	#	1
57) Chlorobenzene	8.927	112	15318	0.540	ppbv		95
58) Ethyl Benzene	9.357	91	27330	0.521	ppbv		91
59) m/p-Xylene	9.539	91	44407m	1.068	ppbv		
60) o-Xylene	9.969	91	21745	0.530	ppbv		96
61) Styrene	9.878	104	9052	0.489	ppbv		96
62) Isopropylbenzene	10.542	105	38899	0.525	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.966	83	13653	0.497	ppbv		97
64) n-propylbenzene	10.992	120	10435	0.532	ppbv		99
65) tert-Butylbenzene	11.532	119	35537	0.543	ppbv		99
66) Benzyl Chloride	11.620	91	3477	0.476	ppbv	#	97
67) sec-Butylbenzene	11.769	105	50259	0.541	ppbv		100
69) p-Isopropyltoluene	11.927	119	41366	0.524	ppbv		99
70) n-Butylbenzene	12.283	91	39620	0.509	ppbv		98
71) 2-Chlorotoluene	10.901	91	29722	0.526	ppbv		98
72) 4-Ethyltoluene	11.128	105	26408	0.524	ppbv		98
73) 1,3,5-Trimethylbenzene	11.209	105	21754	0.523	ppbv		89
74) 1,2,4-Trimethylbenzene	11.539	105	25663	0.551	ppbv		93
75) 1,3-Dichlorobenzene	11.610	146	13697	0.507	ppbv		95
76) 1,4-Dichlorobenzene	11.675	146	14514	0.533	ppbv		99
77) 1,2-Dichlorobenzene	11.950	146	14324	0.548	ppbv		98
78) Hexachloro-1,3-Butadiene	13.885	225	11400	0.564	ppbv		98
79) Naphthalene	13.516	128	23247	0.483	ppbv	#	94
80) Naphthalene,2-methyl-	14.462	142	3874	0.305	ppbv	#	84
81) 1,2,4-Trichlorobenzene	13.442	180	8395	0.416	ppbv		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

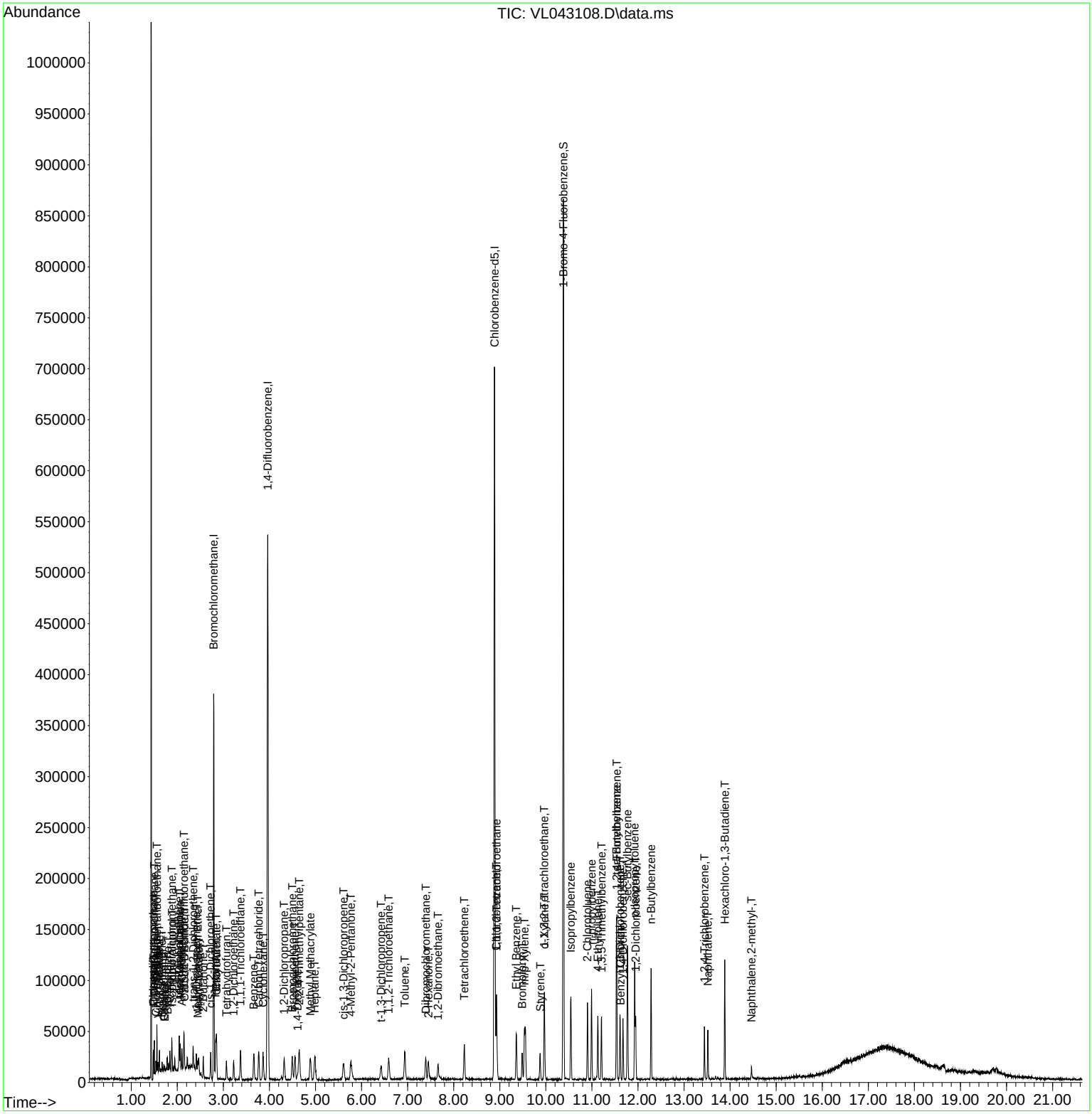
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043108.D
Acq On : 14 Oct 2025 12:34
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:53:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043109.D
Acq On : 14 Oct 2025 13:08
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:54:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	99997	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	332574	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	299676	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	233673	10.032	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.300%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.583	62	554	0.100	ppbv #	33
32) 1,1,1-Trichloroethane	3.373	97	2605m	0.112	ppbv	
35) Carbon Tetrachloride	3.761	117	2530m	0.106	ppbv	
38) Trichloroethene	4.561	130	1399m	0.107	ppbv	
52) Tetrachloroethene	8.231	164	1149m	0.102	ppbv	
54) 1,2-Dibromoethane	7.658	107	2201	0.113	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	3053	0.113	ppbv	90
79) Naphthalene	13.516	128	3792m	0.080	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

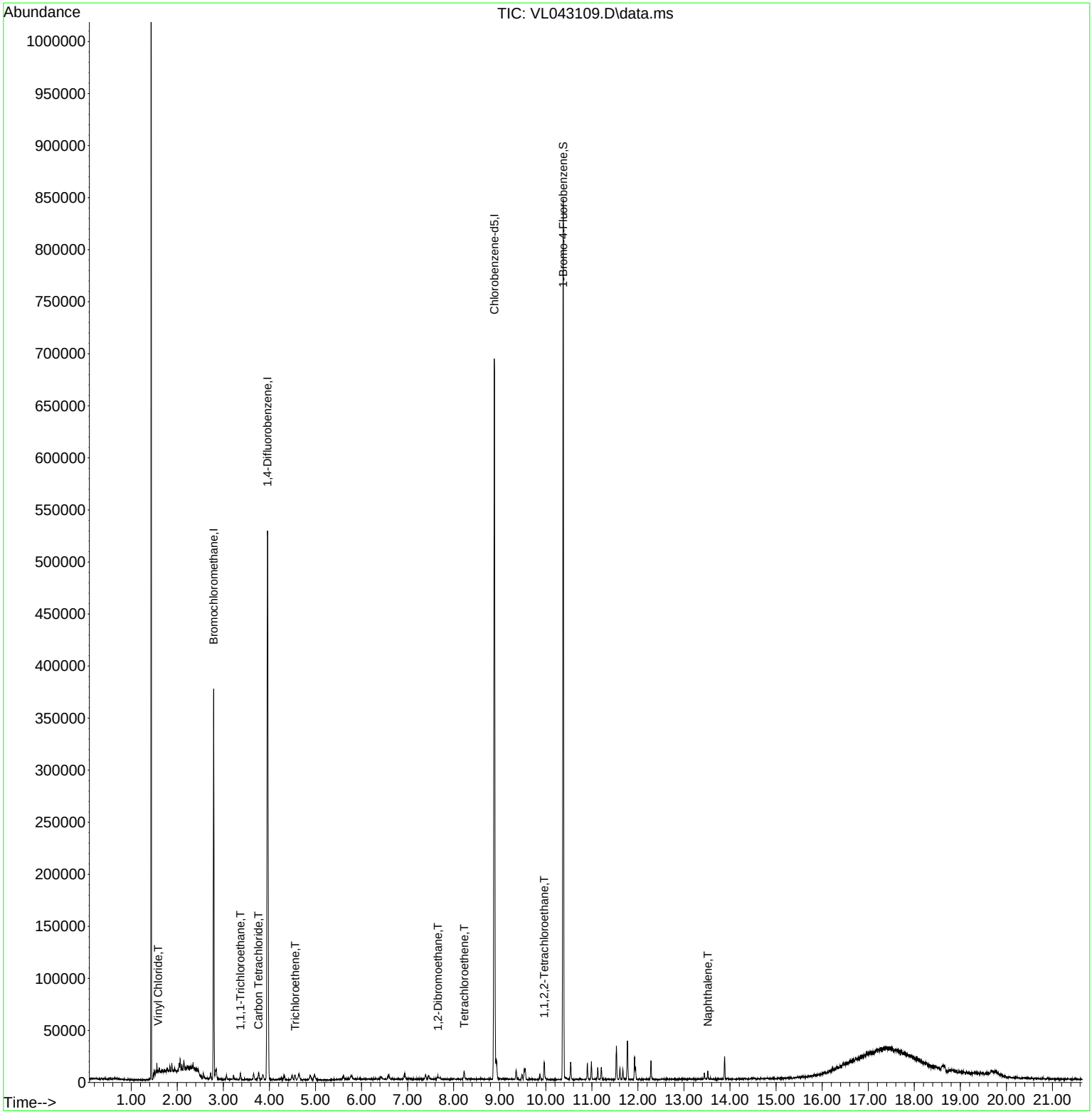
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043109.D
Acq On : 14 Oct 2025 13:08
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:54:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043110.D
Acq On : 14 Oct 2025 13:42
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	100058	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	328897	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	292884	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	224043	9.841	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.400%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.583	62	217	0.039	ppbv	# 78
32) 1,1,1-Trichloroethane	3.376	97	650m	0.028	ppbv	
35) Carbon Tetrachloride	3.761	117	742m	0.031	ppbv	
38) Trichloroethene	4.551	130	454m	0.035	ppbv	
52) Tetrachloroethene	8.218	164	349m	0.031	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.969	83	904m	0.034	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

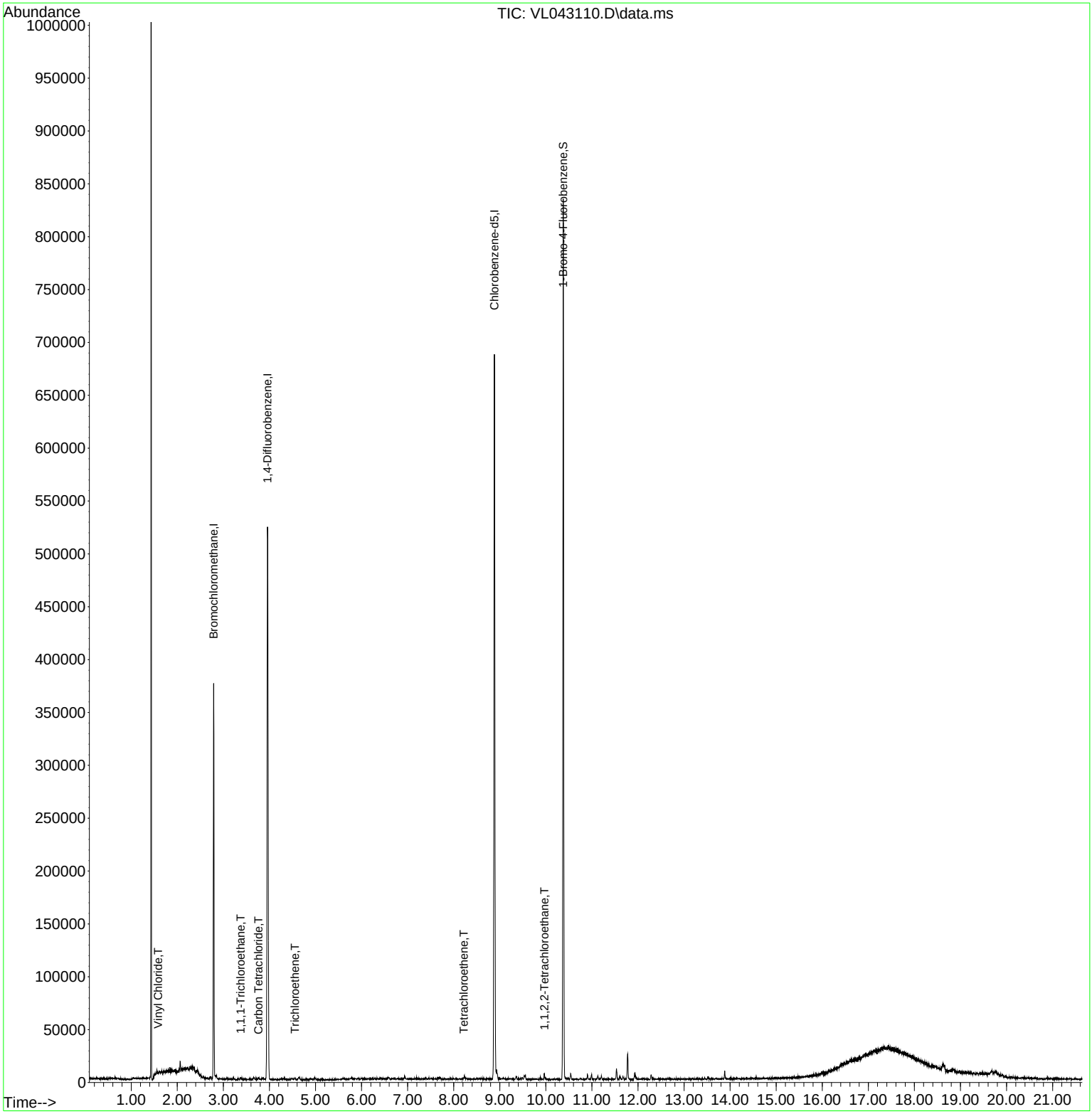
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043110.D
Acq On : 14 Oct 2025 13:42
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043111.D
Acq On : 14 Oct 2025 14:18
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:55:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	100858	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	321665	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	292542	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	233522	10.270	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	193353	13.485	ppbv	98
3) Chlorodifluoromethane	1.476	51	205650	13.255	ppbv	98
4) Chloromethane	1.534	50	72111	12.695	ppbv	98
5) Vinyl Chloride	1.583	62	69909	12.548	ppbv	99
6) Bromomethane	1.670	94	39756	13.013	ppbv	98
7) Chloroethane	1.706	64	27709	12.164	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	156753	13.526	ppbv	100
9) Propene	1.486	41	88451	12.854	ppbv	98
10) Heptane	4.985	43	249682	12.658	ppbv	99
11) Trichlorofluoromethane	1.881	101	191307	13.640	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	150640	13.341	ppbv	98
13) Ethanol	1.722	45	25828	10.148	ppbv	98
14) Bromoethene	1.784	108	54818	13.068	ppbv	99
15) Acetone	1.835	43	160069	11.710	ppbv	100
16) 1,3-Butadiene	1.612	39	80403	12.411	ppbv	98
17) tert-Butyl alcohol	2.039	59	237633	12.735	ppbv	99
18) 1,1-Dichloroethene	2.036	96	65634	13.333	ppbv	98
19) Isopropyl Alcohol	1.887	45	102035	12.051	ppbv	98
20) Methylene Chloride	2.065	84	60549	11.268	ppbv	90
21) Allyl Chloride	2.097	41	131539	13.105	ppbv	95
22) trans-1,2-Dichloroethene	2.343	96	76780	13.048	ppbv	97
23) Vinyl Acetate	2.463	43	288274	14.476	ppbv	98
24) 1,1-Dichloroethane	2.411	63	152663	13.428	ppbv	99
25) Ethyl Acetate	2.835	43	434350	12.884	ppbv	100
26) Hexane	2.829	57	199384	12.836	ppbv	98
27) Carbon Disulfide	2.152	76	192452	13.522	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	96464	13.650	ppbv	94
29) Chloroform	2.852	83	302154	13.425	ppbv	98
30) Cyclohexane	3.858	84	177947	13.133	ppbv	95
31) cis-1,2-Dichloroethene	2.722	61	203888	13.745	ppbv	97
32) 1,1,1-Trichloroethane	3.373	97	316442	13.500	ppbv	99
34) 2-Butanone	2.557	43	283134	13.020	ppbv	99
35) Carbon Tetrachloride	3.764	117	325078	14.056	ppbv	98
36) Benzene	3.661	78	415823	13.725	ppbv	99
37) 1,2-Dichloroethane	3.221	62	241983	13.865	ppbv	98
38) Trichloroethene	4.551	130	159136	12.590	ppbv	97
39) 1,2-Dichloropropane	4.318	63	147155	13.274	ppbv	95
40) 1,4-Dioxane	4.580	88	65323	13.180	ppbv #	94
41) Tetrahydrofuran	3.052	42	160247	13.200	ppbv	99
42) Bromodichloromethane	4.493	83	343817	14.234	ppbv	99
43) Methyl Methacrylate	4.881	69	210756	13.633	ppbv	98
44) 2,2,4-Trimethylpentane	4.645	57	675770	13.340	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	218386	14.142	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043111.D
Acq On : 14 Oct 2025 14:18
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:55:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.606	75	258355	14.018	ppbv		98
47)	1,1,2-Trichloroethane	6.583	97	163113	13.638	ppbv		94
48)	Dibromochloromethane	7.393	129	280993	14.051	ppbv		100
49)	Bromoform	9.487	173	230561	14.184	ppbv		100
50)	4-Methyl-2-Pentanone	5.748	43	401849	13.396	ppbv		100
51)	2-Hexanone	7.435	43	317288	14.176	ppbv	#	99
52)	Tetrachloroethene	8.231	164	143954	13.177	ppbv		98
53)	Toluene	6.936	91	483870	13.457	ppbv		100
54)	1,2-Dibromoethane	7.655	107	254024	13.461	ppbv		98
56)	1,1,1,2-Tetrachloroethane	8.927	131	250303	13.573	ppbv		99
57)	Chlorobenzene	8.927	112	355301	12.983	ppbv		98
58)	Ethyl Benzene	9.357	91	676918	13.375	ppbv		97
59)	m/p-Xylene	9.555	91	1061952m	26.498	ppbv		
60)	o-Xylene	9.966	91	516660	13.063	ppbv		99
61)	Styrene	9.875	104	247585	13.867	ppbv		99
62)	Isopropylbenzene	10.542	105	931508	13.034	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.966	83	331423	12.515	ppbv		100
64)	n-propylbenzene	10.992	120	241719	12.775	ppbv		96
65)	tert-Butylbenzene	11.532	119	788234	12.490	ppbv		97
66)	Benzyl Chloride	11.620	91	97114	13.778	ppbv		99
67)	sec-Butylbenzene	11.769	105	1125489	12.566	ppbv		99
69)	p-Isopropyltoluene	11.930	119	959206	12.602	ppbv		99
70)	n-Butylbenzene	12.283	91	973466	12.979	ppbv		100
71)	2-Chlorotoluene	10.904	91	721827	13.242	ppbv		98
72)	4-Ethyltoluene	11.128	105	647315	13.310	ppbv		99
73)	1,3,5-Trimethylbenzene	11.205	105	534006	13.314	ppbv		98
74)	1,2,4-Trimethylbenzene	11.542	105	560932	12.498	ppbv	#	86
75)	1,3-Dichlorobenzene	11.610	146	339203	13.031	ppbv		99
76)	1,4-Dichlorobenzene	11.675	146	341936	13.027	ppbv		99
77)	1,2-Dichlorobenzene	11.950	146	318800	12.660	ppbv		99
78)	Hexachloro-1,3-Butadiene	13.882	225	226294	11.606	ppbv		99
79)	Naphthalene	13.516	128	661098	14.260	ppbv		99
80)	Naphthalene,2-methyl-	14.458	142	212784	17.384	ppbv		98
81)	1,2,4-Trichlorobenzene	13.442	180	266712	13.698	ppbv		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

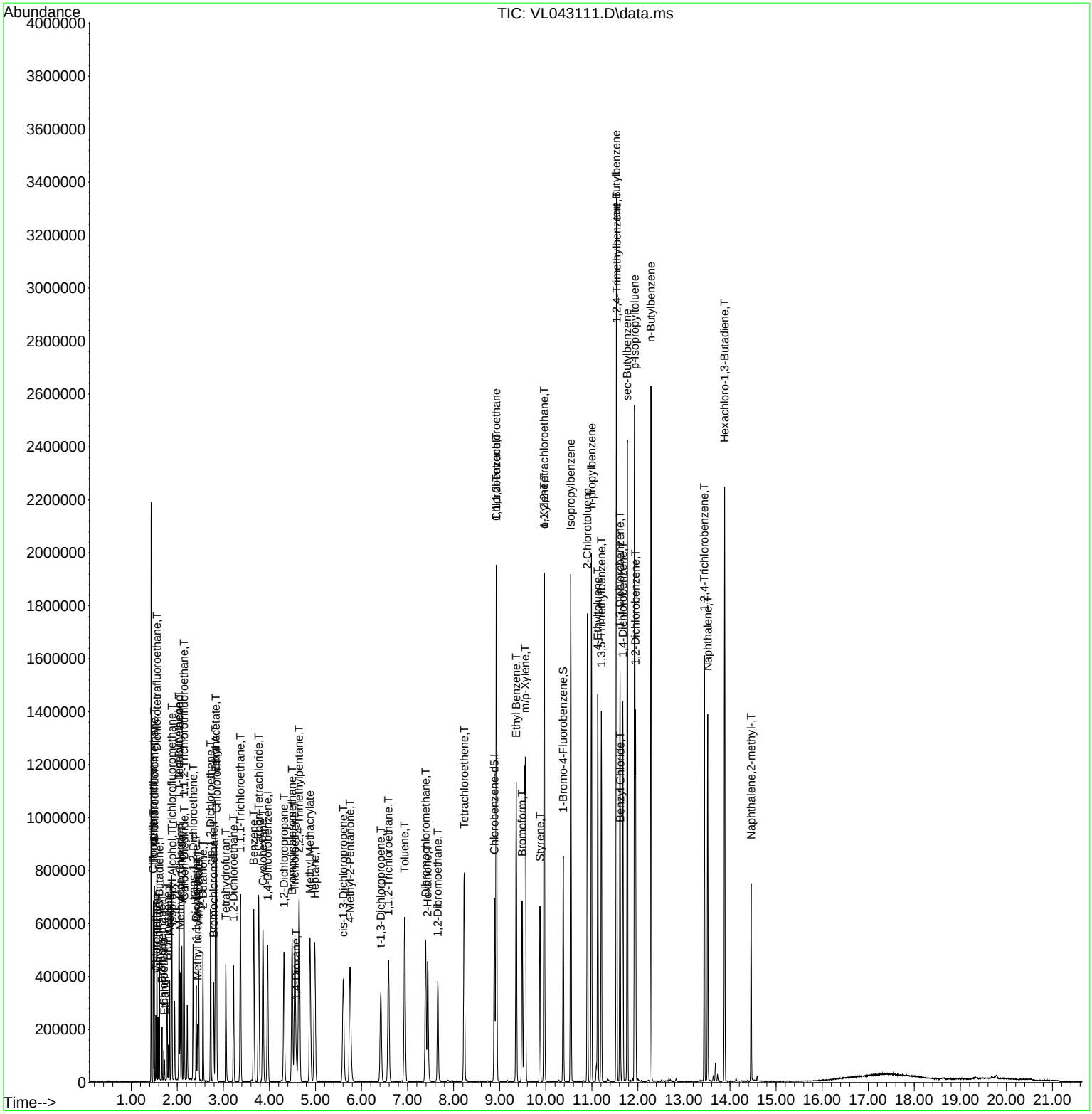
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043111.D
Acq On : 14 Oct 2025 14:18
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:55:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043112.D
Acq On : 14 Oct 2025 14:51
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	97563	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	325610	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	291676	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	229010	10.101	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	130726	9.425	ppbv	98
3) Chlorodifluoromethane	1.479	51	138956	9.260	ppbv	99
4) Chloromethane	1.538	50	48722	8.867	ppbv	96
5) Vinyl Chloride	1.583	62	47005	8.722	ppbv	97
6) Bromomethane	1.670	94	26304	8.901	ppbv	98
7) Chloroethane	1.709	64	19138	8.685	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	107147	9.558	ppbv	99
9) Propene	1.486	41	59287	8.908	ppbv	98
10) Heptane	4.991	43	165341	8.629	ppbv	99
11) Trichlorofluoromethane	1.881	101	132447	9.762	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.143	101	102449	9.380	ppbv	98
13) Ethanol	1.725	45	17659m	7.173	ppbv	
14) Bromoethene	1.787	108	37835	9.324	ppbv	100
15) Acetone	1.839	43	108010	8.214	ppbv	99
16) 1,3-Butadiene	1.612	39	55493	8.855	ppbv	98
17) tert-Butyl alcohol	2.043	59	162672	9.012	ppbv	97
18) 1,1-Dichloroethene	2.039	96	46544	9.774	ppbv	93
19) Isopropyl Alcohol	1.887	45	67552	8.248	ppbv	97
20) Methylene Chloride	2.065	84	40319	7.757	ppbv	89
21) Allyl Chloride	2.101	41	88965	9.181	ppbv	96
22) trans-1,2-Dichloroethene	2.347	96	51295	9.011	ppbv	93
23) Vinyl Acetate	2.467	43	185329	9.621	ppbv	98
24) 1,1-Dichloroethane	2.415	63	102877	9.355	ppbv	98
25) Ethyl Acetate	2.839	43	292399	8.966	ppbv	100
26) Hexane	2.832	57	135463	9.015	ppbv	97
27) Carbon Disulfide	2.156	76	131064	9.520	ppbv	100
28) Methyl tert-Butyl Ether	2.444	73	67260	9.839	ppbv	97
29) Chloroform	2.852	83	204925	9.412	ppbv	95
30) Cyclohexane	3.865	84	119287	9.096	ppbv	96
31) cis-1,2-Dichloroethene	2.725	61	137462	9.580	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	219167	9.666	ppbv	98
34) 2-Butanone	2.560	43	188755	8.624	ppbv	99
35) Carbon Tetrachloride	3.771	117	217678	9.298	ppbv	96
36) Benzene	3.664	78	278365	9.077	ppbv	97
37) 1,2-Dichloroethane	3.224	62	161750	9.156	ppbv	98
38) Trichloroethene	4.557	130	108261	8.453	ppbv	96
39) 1,2-Dichloropropane	4.321	63	100580	8.971	ppbv	96
40) 1,4-Dioxane	4.587	88	41464	8.265	ppbv #	95
41) Tetrahydrofuran	3.056	42	104701	8.553	ppbv	99
42) Bromodichloromethane	4.496	83	228288	9.336	ppbv	96
43) Methyl Methacrylate	4.884	69	138593	8.898	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	452117	8.738	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	142964	9.146	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043112.D
Acq On : 14 Oct 2025 14:51
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	170038	9.106	ppbv		95
47) 1,1,2-Trichloroethane	6.590	97	108965	9.000	ppbv		96
48) Dibromochloromethane	7.396	129	184757	9.127	ppbv		100
49) Bromoform	9.490	173	147759	8.980	ppbv		100
50) 4-Methyl-2-Pentanone	5.752	43	263070	8.709	ppbv		100
51) 2-Hexanone	7.441	43	203876	8.999	ppbv	#	99
52) Tetrachloroethene	8.231	164	96000	8.681	ppbv		97
53) Toluene	6.943	91	324944	8.928	ppbv		100
54) 1,2-Dibromoethane	7.661	107	167936	8.856	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.933	131	166059	9.031	ppbv		98
57) Chlorobenzene	8.930	112	239309	8.770	ppbv		99
58) Ethyl Benzene	9.361	91	450029	8.990	ppbv		99
59) m/p-Xylene	9.558	91	715191m	17.913	ppbv		
60) o-Xylene	9.969	91	348346	8.834	ppbv		100
61) Styrene	9.878	104	161979	9.099	ppbv		98
62) Isopropylbenzene	10.545	105	621758	8.726	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.966	83	215911	8.177	ppbv		100
64) n-propylbenzene	10.995	120	160411	8.503	ppbv		94
65) tert-Butylbenzene	11.536	119	532570	8.464	ppbv		98
66) Benzyl Chloride	11.620	91	58169	8.306	ppbv		98
67) sec-Butylbenzene	11.772	105	762711	8.541	ppbv		98
69) p-Isopropyltoluene	11.930	119	638261	8.411	ppbv		99
70) n-Butylbenzene	12.286	91	641547	8.579	ppbv		99
71) 2-Chlorotoluene	10.904	91	479799	8.828	ppbv		99
72) 4-Ethyltoluene	11.128	105	427034	8.807	ppbv		99
73) 1,3,5-Trimethylbenzene	11.209	105	354875	8.874	ppbv		95
74) 1,2,4-Trimethylbenzene	11.542	105	372506	8.324	ppbv		92
75) 1,3-Dichlorobenzene	11.610	146	219423	8.454	ppbv		99
76) 1,4-Dichlorobenzene	11.675	146	221364	8.458	ppbv		99
77) 1,2-Dichlorobenzene	11.953	146	204178	8.132	ppbv		98
78) Hexachloro-1,3-Butadiene	13.885	225	144646	7.440	ppbv		99
79) Naphthalene	13.516	128	389814	8.334	ppbv		99
80) Naphthalene,2-methyl-	14.458	142	123632	10.146	ppbv		97
81) 1,2,4-Trichlorobenzene	13.445	180	162553	8.373	ppbv		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

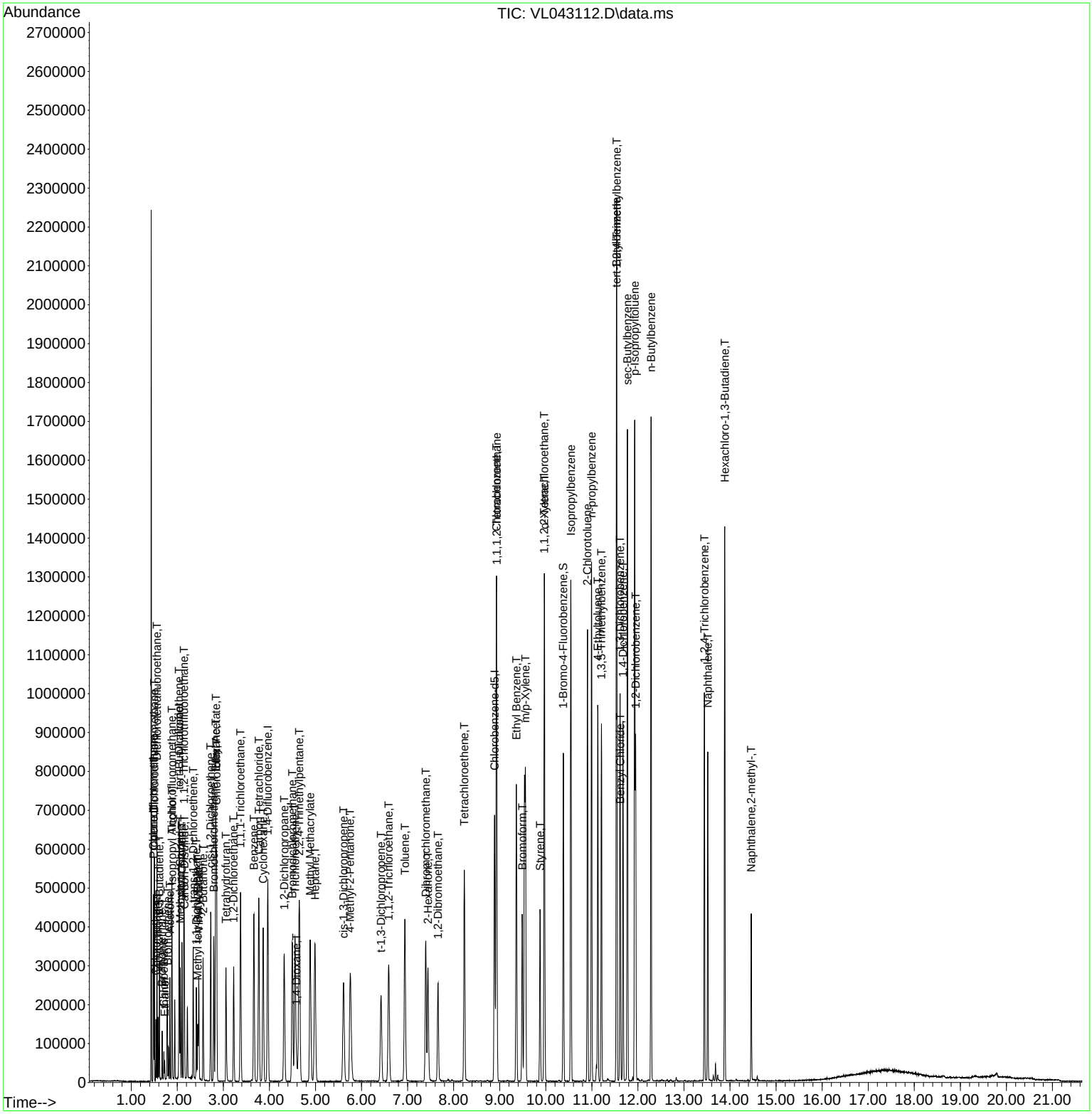
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043112.D
Acq On : 14 Oct 2025 14:51
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043112.D
Acq On : 14 Oct 2025 14:51
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	1.422	1.340	5.8	98	0.00
3		Chlorodifluoromethane	1.538	1.424	7.4	92	0.00
4		Chloromethane	0.563	0.499	11.4	94	0.00
5	T	Vinyl Chloride	0.552	0.482	12.7	94	0.00
6	T	Bromomethane	0.303	0.270	10.9	97	0.00
7		Chloroethane	0.226	0.196	13.3	96	0.00
8	T	Dichlorotetrafluoroethane	1.149	1.098	4.4	99	0.00
9	T	Propene	0.682	0.608	10.9	87	0.00
10	T	Heptane	1.964	1.695	13.7	88	0.00
11	T	Trichlorofluoromethane	1.391	1.358	2.4	103	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.120	1.050	6.3	101	0.00
13		Ethanol	0.252	0.181	28.2	88	0.00
14	T	Bromoethene	0.416	0.388	6.7	98	0.00
15	T	Acetone	1.348	1.107	17.9	95	0.00
16	T	1,3-Butadiene	0.642	0.569	11.4	97	0.00
17		tert-Butyl alcohol	1.850	1.667	9.9	93	0.00
18	T	1,1-Dichloroethene	0.488	0.477	2.3	102	0.00
19	T	Isopropyl Alcohol	0.839	0.692	17.5	90	0.00
20	T	Methylene Chloride	0.533	0.413	22.5	96	0.00
21	T	Allyl Chloride	0.993	0.912	8.2	94	0.00
22	T	trans-1,2-Dichloroethene	0.583	0.526	9.8	97	0.00
23	T	Vinyl Acetate	1.974	1.900	3.7	110	0.00
24	T	1,1-Dichloroethane	1.127	1.054	6.5	96	0.00
25	T	Ethyl Acetate	3.342	2.997	10.3	90	0.00
26	T	Hexane	1.540	1.388	9.9	93	0.00
27	T	Carbon Disulfide	1.411	1.343	4.8	96	0.00
28	T	Methyl tert-Butyl Ether	0.701	0.689	1.7	110	0.00
29	T	Chloroform	2.232	2.100	5.9	97	0.00
30	T	Cyclohexane	1.344	1.223	9.0	95	0.00
31	T	cis-1,2-Dichloroethene	1.471	1.409	4.2	94	0.00
32	T	1,1,1-Trichloroethane	2.324	2.246	3.4	99	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
34	T	2-Butanone	0.672	0.580	13.7	91	0.00
35	T	Carbon Tetrachloride	0.719	0.669	7.0	98	0.00
36	T	Benzene	0.942	0.855	9.2	94	0.00
37	T	1,2-Dichloroethane	0.543	0.497	8.5	97	0.00
38	T	Trichloroethene	0.393	0.332	15.5	93	0.00
39	T	1,2-Dichloropropane	0.344	0.309	10.2	93	0.00
40	T	1,4-Dioxane	0.154	0.127	17.5	86	0.00
41	T	Tetrahydrofuran	0.376	0.322	14.4	89	0.00
42	T	Bromodichloromethane	0.751	0.701	6.7	96	0.00
43		Methyl Methacrylate	0.478	0.426	10.9	90	0.00
44	T	2,2,4-Trimethylpentane	1.589	1.389	12.6	91	0.00
45	T	t-1,3-Dichloropropene	0.480	0.439	8.5	91	0.00
46	T	cis-1,3-Dichloropropene	0.573	0.522	8.9	91	0.00
47	T	1,1,2-Trichloroethane	0.372	0.335	9.9	94	0.00
48	T	Dibromochloromethane	0.622	0.567	8.8	92	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043112.D
Acq On : 14 Oct 2025 14:51
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.505	0.454	10.1	89	0.00
50	T	4-Methyl-2-Pentanone	0.928	0.808	12.9	88	0.00
51	T	2-Hexanone	0.696	0.626	10.1	86	0.00
52	T	Tetrachloroethene	0.340	0.295	13.2	90	0.00
53	T	Toluene	1.118	0.998	10.7	92	0.00
54	T	1,2-Dibromoethane	0.582	0.516	11.3	92	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
56		1,1,1,2-Tetrachloroethane	0.630	0.569	9.7	91	0.00
57	T	Chlorobenzene	0.936	0.820	12.4	91	0.00
58	T	Ethyl Benzene	1.716	1.543	10.1	91	0.00
59	T	m/p-Xylene	1.369	1.226	10.4	93	0.02
60	T	o-Xylene	1.352	1.194	11.7	92	0.00
61	T	Styrene	0.610	0.555	9.0	91	0.00
62		Isopropylbenzene	2.443	2.132	12.7	90	0.00
63	T	1,1,2,2-Tetrachloroethane	0.905	0.740	18.2	90	0.00
64		n-propylbenzene	0.647	0.550	15.0	88	0.00
65		tert-Butylbenzene	2.157	1.826	15.3	91	0.00
66	T	Benzyl Chloride	0.240	0.199	17.1	78	0.00
67		sec-Butylbenzene	3.062	2.615	14.6	91	0.00
68	S	1-Bromo-4-Fluorobenzene	0.777	0.785	-1.0	95	0.00
69		p-Isopropyltoluene	2.602	2.188	15.9	89	0.00
70		n-Butylbenzene	2.564	2.200	14.2	89	0.00
71		2-Chlorotoluene	1.863	1.645	11.7	91	0.00
72	T	4-Ethyltoluene	1.662	1.464	11.9	90	0.00
73	T	1,3,5-Trimethylbenzene	1.371	1.217	11.2	91	0.00
74	T	1,2,4-Trimethylbenzene	1.534	1.277	16.8	90	0.00
75	T	1,3-Dichlorobenzene	0.890	0.752	15.5	87	0.00
76	T	1,4-Dichlorobenzene	0.897	0.759	15.4	87	0.00
77	T	1,2-Dichlorobenzene	0.861	0.700	18.7	86	0.00
78	T	Hexachloro-1,3-Butadiene	0.667	0.496	25.6	84	0.00
79	T	Naphthalene	1.604	1.336	16.7	80	0.00
80	T	Naphthalene,2-methyl-	0.418	0.424	-1.4	84	0.00
81	T	1,2,4-Trichlorobenzene	0.666	0.557	16.4	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043112.D
Acq On : 14 Oct 2025 14:51
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	10.000	9.425	5.7	98	0.00
3		Chlorodifluoromethane	10.000	9.260	7.4	92	0.00
4		Chloromethane	10.000	8.867	11.3	94	0.00
5	T	Vinyl Chloride	10.000	8.722	12.8	94	0.00
6	T	Bromomethane	10.000	8.901	11.0	97	0.00
7		Chloroethane	10.000	8.685	13.1	96	0.00
8	T	Dichlorotetrafluoroethane	10.000	9.558	4.4	99	0.00
9	T	Propene	10.000	8.908	10.9	87	0.00
10	T	Heptane	10.000	8.629	13.7	88	0.00
11	T	Trichlorofluoromethane	10.000	9.762	2.4	103	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	9.380	6.2	101	0.00
13		Ethanol	10.000	7.173	28.3	88	0.00
14	T	Bromoethene	10.000	9.324	6.8	98	0.00
15	T	Acetone	10.000	8.214	17.9	95	0.00
16	T	1,3-Butadiene	10.000	8.855	11.4	97	0.00
17		tert-Butyl alcohol	10.000	9.012	9.9	93	0.00
18	T	1,1-Dichloroethene	10.000	9.774	2.3	102	0.00
19	T	Isopropyl Alcohol	10.000	8.248	17.5	90	0.00
20	T	Methylene Chloride	10.000	7.757	22.4	96	0.00
21	T	Allyl Chloride	10.000	9.181	8.2	94	0.00
22	T	trans-1,2-Dichloroethene	10.000	9.011	9.9	97	0.00
23	T	Vinyl Acetate	10.000	9.621	3.8	110	0.00
24	T	1,1-Dichloroethane	10.000	9.355	6.4	96	0.00
25	T	Ethyl Acetate	10.000	8.966	10.3	90	0.00
26	T	Hexane	10.000	9.015	9.8	93	0.00
27	T	Carbon Disulfide	10.000	9.520	4.8	96	0.00
28	T	Methyl tert-Butyl Ether	10.000	9.839	1.6	110	0.00
29	T	Chloroform	10.000	9.412	5.9	97	0.00
30	T	Cyclohexane	10.000	9.096	9.0	95	0.00
31	T	cis-1,2-Dichloroethene	10.000	9.580	4.2	94	0.00
32	T	1,1,1-Trichloroethane	10.000	9.666	3.3	99	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	95	0.00
34	T	2-Butanone	10.000	8.624	13.8	91	0.00
35	T	Carbon Tetrachloride	10.000	9.298	7.0	98	0.00
36	T	Benzene	10.000	9.077	9.2	94	0.00
37	T	1,2-Dichloroethane	10.000	9.156	8.4	97	0.00
38	T	Trichloroethene	10.000	8.453	15.5	93	0.00
39	T	1,2-Dichloropropane	10.000	8.971	10.3	93	0.00
40	T	1,4-Dioxane	10.000	8.265	17.3	86	0.00
41	T	Tetrahydrofuran	10.000	8.553	14.5	89	0.00
42	T	Bromodichloromethane	10.000	9.336	6.6	96	0.00
43		Methyl Methacrylate	10.000	8.898	11.0	90	0.00
44	T	2,2,4-Trimethylpentane	10.000	8.738	12.6	91	0.00
45	T	t-1,3-Dichloropropene	10.000	9.146	8.5	91	0.00
46	T	cis-1,3-Dichloropropene	10.000	9.106	8.9	91	0.00
47	T	1,1,2-Trichloroethane	10.000	9.000	10.0	94	0.00
48	T	Dibromochloromethane	10.000	9.127	8.7	92	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043112.D
Acq On : 14 Oct 2025 14:51
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	Bromoform	10.000	8.980	10.2	89	0.00
50	T	4-Methyl-2-Pentanone	10.000	8.709	12.9	88	0.00
51	T	2-Hexanone	10.000	8.999	10.0	86	0.00
52	T	Tetrachloroethene	10.000	8.681	13.2	90	0.00
53	T	Toluene	10.000	8.928	10.7	92	0.00
54	T	1,2-Dibromoethane	10.000	8.856	11.4	92	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	94	0.00
56		1,1,1,2-Tetrachloroethane	10.000	9.031	9.7	91	0.00
57	T	Chlorobenzene	10.000	8.770	12.3	91	0.00
58	T	Ethyl Benzene	10.000	8.990	10.1	91	0.00
59	T	m/p-Xylene	20.000	17.913	10.4	93	0.02
60	T	o-Xylene	10.000	8.834	11.7	92	0.00
61	T	Styrene	10.000	9.099	9.0	91	0.00
62		Isopropylbenzene	10.000	8.726	12.7	90	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	8.177	18.2	90	0.00
64		n-propylbenzene	10.000	8.503	15.0	88	0.00
65		tert-Butylbenzene	10.000	8.464	15.4	91	0.00
66	T	Benzyl Chloride	10.000	8.306	16.9	78	0.00
67		sec-Butylbenzene	10.000	8.541	14.6	91	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.101	-1.0	95	0.00
69		p-Isopropyltoluene	10.000	8.411	15.9	89	0.00
70		n-Butylbenzene	10.000	8.579	14.2	89	0.00
71		2-Chlorotoluene	10.000	8.828	11.7	91	0.00
72	T	4-Ethyltoluene	10.000	8.807	11.9	90	0.00
73	T	1,3,5-Trimethylbenzene	10.000	8.874	11.3	91	0.00
74	T	1,2,4-Trimethylbenzene	10.000	8.324	16.8	90	0.00
75	T	1,3-Dichlorobenzene	10.000	8.454	15.5	87	0.00
76	T	1,4-Dichlorobenzene	10.000	8.458	15.4	87	0.00
77	T	1,2-Dichlorobenzene	10.000	8.132	18.7	86	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	7.440	25.6	84	0.00
79	T	Naphthalene	10.000	8.334	16.7	80	0.00
80	T	Naphthalene,2-methyl-	10.000	10.146	-1.5	84	0.00
81	T	1,2,4-Trichlorobenzene	10.000	8.373	16.3	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

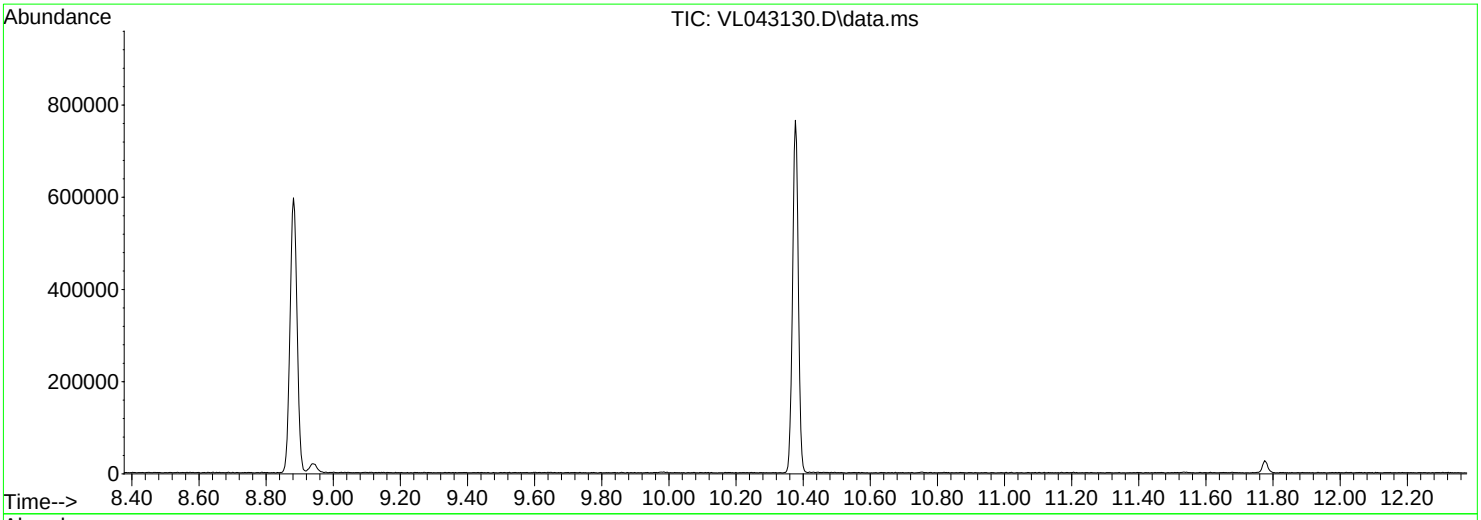
BFB

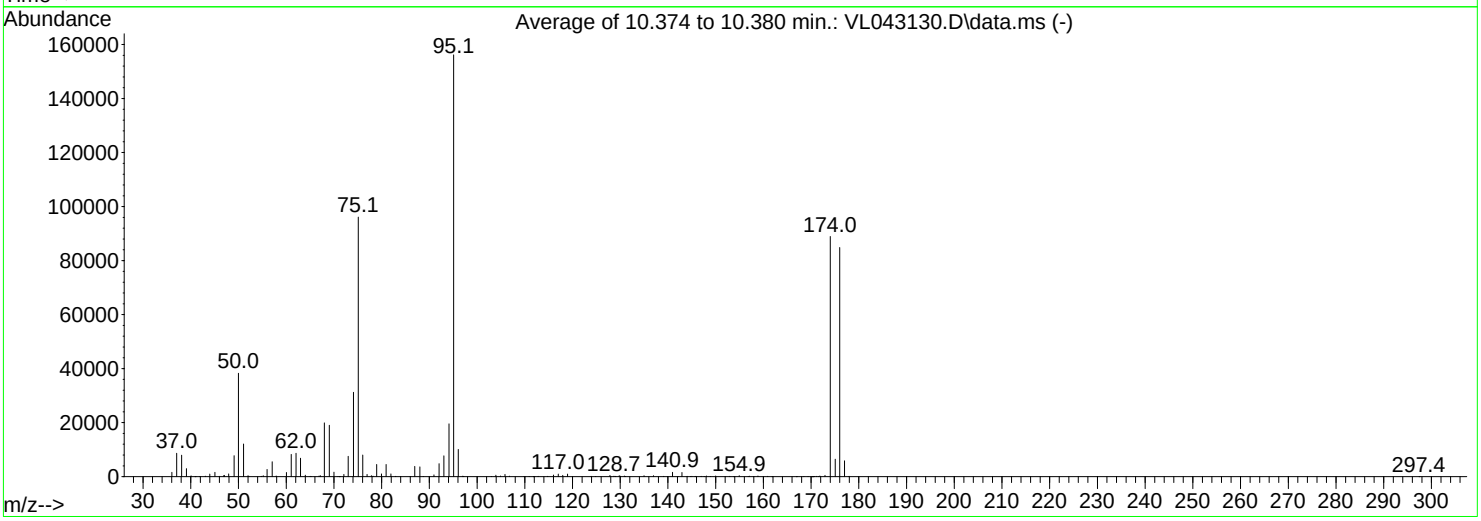
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
Data File : VL043130.D
Acq On : 17 Oct 2025 07:42
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Wed Oct 15 02:12:58 2025





AutoFind: Scans 3178, 3179, 3180; Background Corrected with Scan 3165

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.5	38300	PASS
75	95	30	66	61.5	96117	PASS
95	95	100	100	100.0	156181	PASS
96	95	5	9	6.5	10094	PASS
173	174	0.00	2	0.5	454	PASS
174	95	50	120	56.9	88928	PASS
175	174	4	9	7.3	6482	PASS
176	174	93	101	95.4	84819	PASS
177	176	5	9	6.9	5880	PASS

Average of 10.374 to 10.380 min.: VL043130.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1589	46.90	375	57.05	5497	68.00	1991
37.05	8686	47.05	498	57.90	226	69.05	1902
38.10	7948	47.95	989	60.05	1549	70.00	168
39.10	2999	49.10	7795	61.05	8253	70.85	65
40.05	324	50.00	38300	62.05	8644	71.10	22
40.90	31	51.05	12104	63.00	6793	72.10	847
41.90	52	52.00	331	64.00	526	73.00	7509
43.05	207	52.20	142	65.00	120	74.10	31200
44.00	973	54.80	150	65.20	68	75.10	96117
45.05	1603	55.20	372	66.90	271	76.05	8023
46.00	125	56.00	2641	67.15	358	76.95	825

Instrument :
MSVOA_L
ClientSampleId :
BFB

Average of 10.374 to 10.380 min.: VL043130.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
77.85	353	88.70	38	104.90	247	117.00	949
78.20	166	90.95	633	105.85	818	117.95	508
78.95	4527	92.05	4819	106.80	201	118.95	944
79.95	1015	93.05	7734	109.85	65	123.90	138
80.95	4487	94.10	19560	110.05	77	124.85	67
81.95	995	95.10	156181	110.90	50	127.85	469
82.95	112	96.05	10094	111.80	19	128.70	174
84.00	41	97.00	194	112.10	64	129.05	123
86.00	38	97.20	121	112.80	137	129.80	342
86.95	3802	103.00	41	114.80	134	130.00	168
88.00	3640	103.95	543	116.00	612	130.85	258

Average of 10.374 to 10.380 min.: VL043130.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
131.10	62	145.70	55	156.80	55	170.70	57
135.00	354	145.85	134	157.05	162	171.10	126
136.95	351	146.95	127	158.00	72	171.50	41
139.10	107	147.60	46	158.85	236	171.85	237
139.90	87	148.05	241	160.90	101	172.90	454
140.95	1600	148.90	79	161.80	19	174.00	88928
142.10	87	150.00	221	166.90	19	175.05	6482
142.95	1553	152.00	59	168.50	57	176.00	84819
144.00	129	152.95	125	169.35	57	177.00	5880
144.70	42	153.80	20	170.20	21	177.95	134
145.00	119	154.95	370	170.40	23	297.40	28

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
Data File : VL043131.D
Acq On : 17 Oct 2025 08:24
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Oct 18 04:29:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.791	49	87622	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	276096	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	239931	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	200022	10.725	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	140631	11.289	ppbv	99
3) Chlorodifluoromethane	1.476	51	131201	9.735	ppbv	93
4) Chloromethane	1.535	50	48179	9.763	ppbv	99
5) Vinyl Chloride	1.583	62	48427	10.005	ppbv	100
6) Bromomethane	1.671	94	27901	10.512	ppbv	95
7) Chloroethane	1.706	64	19968	10.090	ppbv	96
8) Dichlorotetrafluoroethane	1.557	85	111627	11.087	ppbv	97
9) Propene	1.486	41	46721	7.816	ppbv	100
10) Heptane	4.982	43	136302	7.921	ppbv	95
11) Trichlorofluoromethane	1.881	101	147966	12.144	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.143	101	112518	11.470	ppbv	97
13) Ethanol	1.722	45	17196	7.777	ppbv	99
14) Bromoethene	1.784	108	39877	10.943	ppbv	100
15) Acetone	1.836	43	112608	9.535	ppbv	98
16) 1,3-Butadiene	1.612	39	54287	9.645	ppbv	97
17) tert-Butyl alcohol	2.040	59	170664	10.527	ppbv	98
18) 1,1-Dichloroethene	2.036	96	48379	11.312	ppbv	92
19) Isopropyl Alcohol	1.888	45	70309	9.559	ppbv	99
20) Methylene Chloride	2.062	84	42709	9.149	ppbv	93
21) Allyl Chloride	2.098	41	88018	10.114	ppbv	91
22) trans-1,2-Dichloroethene	2.344	96	56366	11.026	ppbv	96
23) Vinyl Acetate	2.464	43	162876	9.415	ppbv	98
24) 1,1-Dichloroethane	2.412	63	108234	10.958	ppbv	98
25) Ethyl Acetate	2.836	43	260741	8.903	ppbv	99
26) Hexane	2.829	57	123038	9.117	ppbv	95
27) Carbon Disulfide	2.153	76	135574	10.965	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	61396	10.000	ppbv	96
29) Chloroform	2.849	83	212817	10.884	ppbv	94
30) Cyclohexane	3.859	84	105292	8.939	ppbv	94
31) cis-1,2-Dichloroethene	2.723	61	133927	10.393	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	223202	10.961	ppbv	99
34) 2-Butanone	2.558	43	171562	9.244	ppbv	97
35) Carbon Tetrachloride	3.765	117	230394	11.607	ppbv	96
36) Benzene	3.661	78	250456	9.631	ppbv	96
37) 1,2-Dichloroethane	3.221	62	171852	11.472	ppbv #	96
38) Trichloroethene	4.555	130	97313	8.960	ppbv	97
39) 1,2-Dichloropropane	4.315	63	86735	9.124	ppbv	91
40) 1,4-Dioxane	4.580	88	38012	8.935	ppbv #	95
41) Tetrahydrofuran	3.056	42	86924	8.374	ppbv	94
42) Bromodichloromethane	4.493	83	230410	11.113	ppbv	98
43) Methyl Methacrylate	4.881	69	123563	9.356	ppbv	95
44) 2,2,4-Trimethylpentane	4.642	57	396779	9.044	ppbv	98
45) t-1,3-Dichloropropene	6.419	75	135045	10.189	ppbv	96

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
Data File : VL043131.D
Acq On : 17 Oct 2025 08:24
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Oct 18 04:29:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

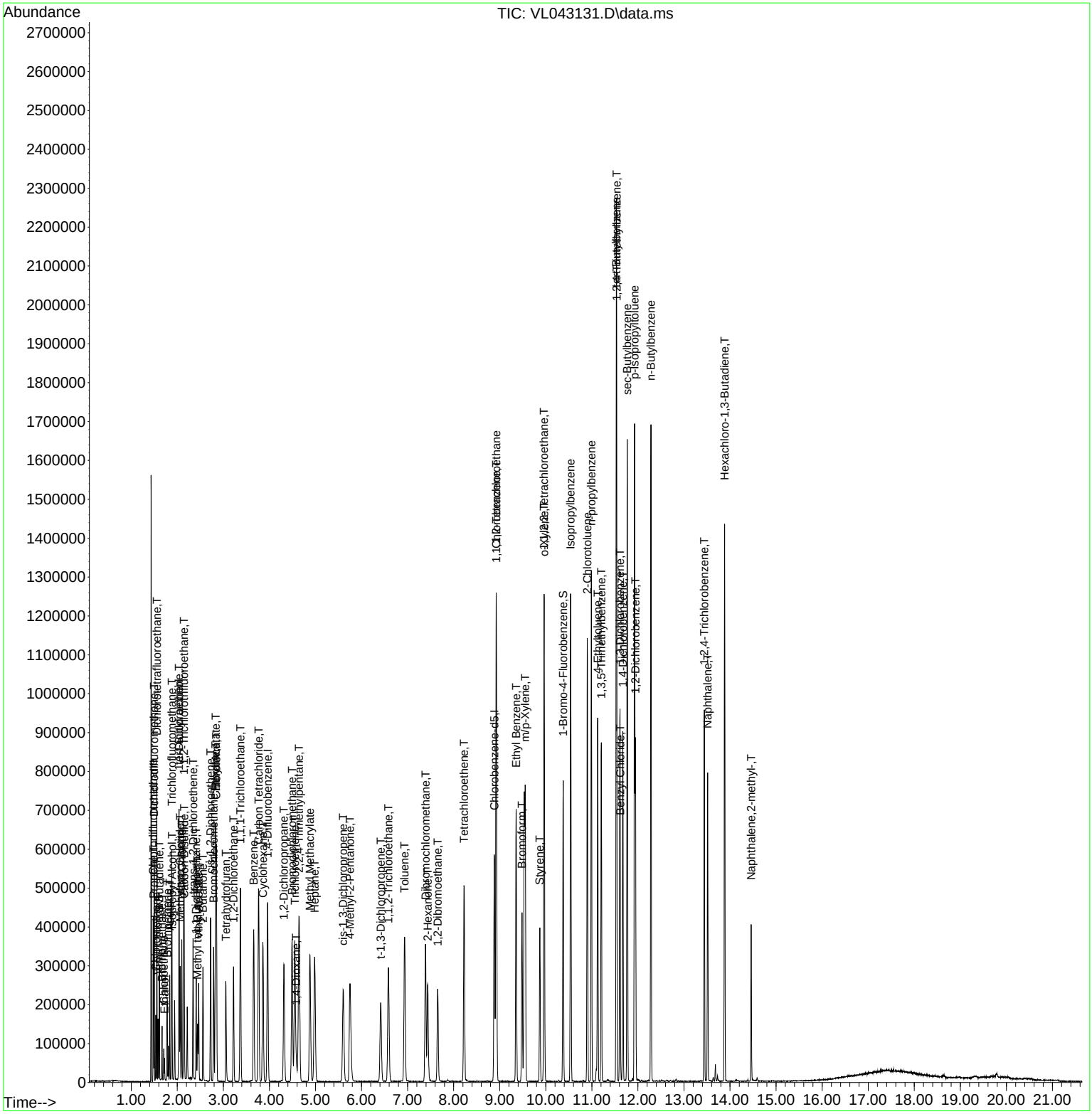
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	153105	9.670	ppbv		97
47) 1,1,2-Trichloroethane	6.584	97	99273	9.670	ppbv		96
48) Dibromochloromethane	7.390	129	180203	10.498	ppbv		98
49) Bromoform	9.484	173	144714	10.372	ppbv		99
50) 4-Methyl-2-Pentanone	5.749	43	221652	8.654	ppbv		100
51) 2-Hexanone	7.438	43	165641	8.622	ppbv	#	100
52) Tetrachloroethene	8.228	164	85114	9.077	ppbv		96
53) Toluene	6.933	91	282121	9.141	ppbv		100
54) 1,2-Dibromoethane	7.655	107	154849	9.630	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.927	131	159241	10.528	ppbv		98
57) Chlorobenzene	8.924	112	216866	9.662	ppbv		97
58) Ethyl Benzene	9.358	91	409155	9.936	ppbv		98
59) m/p-Xylene	9.555	91	663625m	20.206	ppbv		
60) o-Xylene	9.966	91	325784	10.043	ppbv		98
61) Styrene	9.869	104	139546	9.530	ppbv		97
62) Isopropylbenzene	10.539	105	592251	10.104	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.963	83	201670	9.285	ppbv		99
64) n-propylbenzene	10.989	120	147159	9.483	ppbv		89
65) tert-Butylbenzene	11.533	119	498070	9.622	ppbv		93
66) Benzyl Chloride	11.617	91	51637	8.964	ppbv		97
67) sec-Butylbenzene	11.769	105	720911	9.814	ppbv		98
69) p-Isopropyltoluene	11.928	119	603162	9.662	ppbv		97
70) n-Butylbenzene	12.284	91	615055	9.998	ppbv		98
71) 2-Chlorotoluene	10.902	91	443473	9.920	ppbv		98
72) 4-Ethyltoluene	11.128	105	400537	10.042	ppbv		97
73) 1,3,5-Trimethylbenzene	11.206	105	335378	10.196	ppbv		95
74) 1,2,4-Trimethylbenzene	11.539	105	360377	9.790	ppbv		92
75) 1,3-Dichlorobenzene	11.610	146	207444	9.716	ppbv		99
76) 1,4-Dichlorobenzene	11.672	146	209711	9.741	ppbv		99
77) 1,2-Dichlorobenzene	11.947	146	195192	9.451	ppbv		98
78) Hexachloro-1,3-Butadiene	13.883	225	136548	8.539	ppbv		99
79) Naphthalene	13.514	128	357522	9.292	ppbv		98
80) Naphthalene,2-methyl-	14.459	142	109340	10.908	ppbv		95
81) 1,2,4-Trichlorobenzene	13.442	180	149848	9.383	ppbv		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
Data File : VL043131.D
Acq On : 17 Oct 2025 08:24
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Oct 18 04:29:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
Data File : VL043131.D
Acq On : 17 Oct 2025 08:24
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Oct 18 04:29:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	84	0.00
2	T	Dichlorodifluoromethane	1.422	1.605	-12.9	106	0.00
3		Chlorodifluoromethane	1.538	1.497	2.7	87	0.00
4		Chloromethane	0.563	0.550	2.3	93	0.00
5	T	Vinyl Chloride	0.552	0.553	-0.2	97	0.00
6	T	Bromomethane	0.303	0.318	-5.0	103	0.00
7		Chloroethane	0.226	0.228	-0.9	100	0.00
8	T	Dichlorotetrafluoroethane	1.149	1.274	-10.9	103	0.00
9	T	Propene	0.682	0.533	21.8	69	0.00
10	T	Heptane	1.964	1.556	20.8	73	0.00
11	T	Trichlorofluoromethane	1.391	1.689	-21.4	115	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.120	1.284	-14.6	111	0.00
13		Ethanol	0.252	0.196	22.2	86	0.00
14	T	Bromoethene	0.416	0.455	-9.4	103	0.00
15	T	Acetone	1.348	1.285	4.7	99	0.00
16	T	1,3-Butadiene	0.642	0.620	3.4	95	0.00
17		tert-Butyl alcohol	1.850	1.948	-5.3	97	0.00
18	T	1,1-Dichloroethene	0.488	0.552	-13.1	107	0.00
19	T	Isopropyl Alcohol	0.839	0.802	4.4	93	0.00
20	T	Methylene Chloride	0.533	0.487	8.6	101	0.00
21	T	Allyl Chloride	0.993	1.005	-1.2	93	0.00
22	T	trans-1,2-Dichloroethene	0.583	0.643	-10.3	106	0.00
23	T	Vinyl Acetate	1.974	1.859	5.8	97	0.00
24	T	1,1-Dichloroethane	1.127	1.235	-9.6	101	0.00
25	T	Ethyl Acetate	3.342	2.976	11.0	80	0.00
26	T	Hexane	1.540	1.404	8.8	84	0.00
27	T	Carbon Disulfide	1.411	1.547	-9.6	99	0.00
28	T	Methyl tert-Butyl Ether	0.701	0.701	0.0	101	0.00
29	T	Chloroform	2.232	2.429	-8.8	101	0.00
30	T	Cyclohexane	1.344	1.202	10.6	83	0.00
31	T	cis-1,2-Dichloroethene	1.471	1.528	-3.9	92	0.00
32	T	1,1,1-Trichloroethane	2.324	2.547	-9.6	101	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
34	T	2-Butanone	0.672	0.621	7.6	83	0.00
35	T	Carbon Tetrachloride	0.719	0.834	-16.0	104	0.00
36	T	Benzene	0.942	0.907	3.7	84	0.00
37	T	1,2-Dichloroethane	0.543	0.622	-14.5	104	0.00
38	T	Trichloroethene	0.393	0.352	10.4	83	0.00
39	T	1,2-Dichloropropane	0.344	0.314	8.7	80	0.00
40	T	1,4-Dioxane	0.154	0.138	10.4	79	0.00
41	T	Tetrahydrofuran	0.376	0.315	16.2	74	0.00
42	T	Bromodichloromethane	0.751	0.835	-11.2	97	0.00
43		Methyl Methacrylate	0.478	0.448	6.3	80	0.00
44	T	2,2,4-Trimethylpentane	1.589	1.437	9.6	79	0.00
45	T	t-1,3-Dichloropropene	0.480	0.489	-1.9	86	0.00
46	T	cis-1,3-Dichloropropene	0.573	0.555	3.1	82	0.00
47	T	1,1,2-Trichloroethane	0.372	0.360	3.2	86	0.00
48	T	Dibromochloromethane	0.622	0.653	-5.0	89	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
Data File : VL043131.D
Acq On : 17 Oct 2025 08:24
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Oct 18 04:29:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.505	0.524	-3.8	87	0.00
50	T	4-Methyl-2-Pentanone	0.928	0.803	13.5	74	0.00
51	T	2-Hexanone	0.696	0.600	13.8	70	0.00
52	T	Tetrachloroethene	0.340	0.308	9.4	80	0.00
53	T	Toluene	1.118	1.022	8.6	80	0.00
54	T	1,2-Dibromoethane	0.582	0.561	3.6	85	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	78	0.00
56		1,1,1,2-Tetrachloroethane	0.630	0.664	-5.4	87	0.00
57	T	Chlorobenzene	0.936	0.904	3.4	83	0.00
58	T	Ethyl Benzene	1.716	1.705	0.6	83	0.00
59	T	m/p-Xylene	1.369	1.383	-1.0	87	0.02
60	T	o-Xylene	1.352	1.358	-0.4	86	0.00
61	T	Styrene	0.610	0.582	4.6	78	0.00
62		Isopropylbenzene	2.443	2.468	-1.0	85	0.00
63	T	1,1,2,2-Tetrachloroethane	0.905	0.841	7.1	84	0.00
64		n-propylbenzene	0.647	0.613	5.3	81	0.00
65		tert-Butylbenzene	2.157	2.076	3.8	85	0.00
66	T	Benzyl Chloride	0.240	0.215	10.4	69	0.00
67		sec-Butylbenzene	3.062	3.005	1.9	86	0.00
68	S	1-Bromo-4-Fluorobenzene	0.777	0.834	-7.3	83	0.00
69		p-Isopropyltoluene	2.602	2.514	3.4	84	0.00
70		n-Butylbenzene	2.564	2.563	0.0	86	0.00
71		2-Chlorotoluene	1.863	1.848	0.8	84	0.00
72	T	4-Ethyltoluene	1.662	1.669	-0.4	85	0.00
73	T	1,3,5-Trimethylbenzene	1.371	1.398	-2.0	86	0.00
74	T	1,2,4-Trimethylbenzene	1.534	1.502	2.1	88	0.00
75	T	1,3-Dichlorobenzene	0.890	0.865	2.8	82	0.00
76	T	1,4-Dichlorobenzene	0.897	0.874	2.6	82	0.00
77	T	1,2-Dichlorobenzene	0.861	0.814	5.5	82	0.00
78	T	Hexachloro-1,3-Butadiene	0.667	0.569	14.7	79	0.00
79	T	Naphthalene	1.604	1.490	7.1	73	0.00
80	T	Naphthalene,2-methyl-	0.418	0.456	-9.1	74	0.00
81	T	1,2,4-Trichlorobenzene	0.666	0.625	6.2	76	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
Data File : VL043131.D
Acq On : 17 Oct 2025 08:24
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Oct 18 04:29:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	84	0.00
2	T	Dichlorodifluoromethane	10.000	11.289	-12.9	106	0.00
3		Chlorodifluoromethane	10.000	9.735	2.7	87	0.00
4		Chloromethane	10.000	9.763	2.4	93	0.00
5	T	Vinyl Chloride	10.000	10.005	-0.1	97	0.00
6	T	Bromomethane	10.000	10.512	-5.1	103	0.00
7		Chloroethane	10.000	10.090	-0.9	100	0.00
8	T	Dichlorotetrafluoroethane	10.000	11.087	-10.9	103	0.00
9	T	Propene	10.000	7.816	21.8	69	0.00
10	T	Heptane	10.000	7.921	20.8	73	0.00
11	T	Trichlorofluoromethane	10.000	12.144	-21.4	115	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	11.470	-14.7	111	0.00
13		Ethanol	10.000	7.777	22.2	86	0.00
14	T	Bromoethene	10.000	10.943	-9.4	103	0.00
15	T	Acetone	10.000	9.535	4.6	99	0.00
16	T	1,3-Butadiene	10.000	9.645	3.6	95	0.00
17		tert-Butyl alcohol	10.000	10.527	-5.3	97	0.00
18	T	1,1-Dichloroethene	10.000	11.312	-13.1	107	0.00
19	T	Isopropyl Alcohol	10.000	9.559	4.4	93	0.00
20	T	Methylene Chloride	10.000	9.149	8.5	101	0.00
21	T	Allyl Chloride	10.000	10.114	-1.1	93	0.00
22	T	trans-1,2-Dichloroethene	10.000	11.026	-10.3	106	0.00
23	T	Vinyl Acetate	10.000	9.415	5.9	97	0.00
24	T	1,1-Dichloroethane	10.000	10.958	-9.6	101	0.00
25	T	Ethyl Acetate	10.000	8.903	11.0	80	0.00
26	T	Hexane	10.000	9.117	8.8	84	0.00
27	T	Carbon Disulfide	10.000	10.965	-9.6	99	0.00
28	T	Methyl tert-Butyl Ether	10.000	10.000	0.0	101	0.00
29	T	Chloroform	10.000	10.884	-8.8	101	0.00
30	T	Cyclohexane	10.000	8.939	10.6	83	0.00
31	T	cis-1,2-Dichloroethene	10.000	10.393	-3.9	92	0.00
32	T	1,1,1-Trichloroethane	10.000	10.961	-9.6	101	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	81	0.00
34	T	2-Butanone	10.000	9.244	7.6	83	0.00
35	T	Carbon Tetrachloride	10.000	11.607	-16.1	104	0.00
36	T	Benzene	10.000	9.631	3.7	84	0.00
37	T	1,2-Dichloroethane	10.000	11.472	-14.7	104	0.00
38	T	Trichloroethene	10.000	8.960	10.4	83	0.00
39	T	1,2-Dichloropropane	10.000	9.124	8.8	80	0.00
40	T	1,4-Dioxane	10.000	8.935	10.6	79	0.00
41	T	Tetrahydrofuran	10.000	8.374	16.3	74	0.00
42	T	Bromodichloromethane	10.000	11.113	-11.1	97	0.00
43		Methyl Methacrylate	10.000	9.356	6.4	80	0.00
44	T	2,2,4-Trimethylpentane	10.000	9.044	9.6	79	0.00
45	T	t-1,3-Dichloropropene	10.000	10.189	-1.9	86	0.00
46	T	cis-1,3-Dichloropropene	10.000	9.670	3.3	82	0.00
47	T	1,1,2-Trichloroethane	10.000	9.670	3.3	86	0.00
48	T	Dibromochloromethane	10.000	10.498	-5.0	89	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
Data File : VL043131.D
Acq On : 17 Oct 2025 08:24
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Oct 18 04:29:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	Bromoform	10.000	10.372	-3.7	87	0.00
50	T	4-Methyl-2-Pentanone	10.000	8.654	13.5	74	0.00
51	T	2-Hexanone	10.000	8.622	13.8	70	0.00
52	T	Tetrachloroethene	10.000	9.077	9.2	80	0.00
53	T	Toluene	10.000	9.141	8.6	80	0.00
54	T	1,2-Dibromoethane	10.000	9.630	3.7	85	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	78	0.00
56		1,1,1,2-Tetrachloroethane	10.000	10.528	-5.3	87	0.00
57	T	Chlorobenzene	10.000	9.662	3.4	83	0.00
58	T	Ethyl Benzene	10.000	9.936	0.6	83	0.00
59	T	m/p-Xylene	20.000	20.206	-1.0	87	0.02
60	T	o-Xylene	10.000	10.043	-0.4	86	0.00
61	T	Styrene	10.000	9.530	4.7	78	0.00
62		Isopropylbenzene	10.000	10.104	-1.0	85	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	9.285	7.1	84	0.00
64		n-propylbenzene	10.000	9.483	5.2	81	0.00
65		tert-Butylbenzene	10.000	9.622	3.8	85	0.00
66	T	Benzyl Chloride	10.000	8.964	10.4	69	0.00
67		sec-Butylbenzene	10.000	9.814	1.9	86	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.725	-7.2	83	0.00
69		p-Isopropyltoluene	10.000	9.662	3.4	84	0.00
70		n-Butylbenzene	10.000	9.998	0.0	86	0.00
71		2-Chlorotoluene	10.000	9.920	0.8	84	0.00
72	T	4-Ethyltoluene	10.000	10.042	-0.4	85	0.00
73	T	1,3,5-Trimethylbenzene	10.000	10.196	-2.0	86	0.00
74	T	1,2,4-Trimethylbenzene	10.000	9.790	2.1	88	0.00
75	T	1,3-Dichlorobenzene	10.000	9.716	2.8	82	0.00
76	T	1,4-Dichlorobenzene	10.000	9.741	2.6	82	0.00
77	T	1,2-Dichlorobenzene	10.000	9.451	5.5	82	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	8.539	14.6	79	0.00
79	T	Naphthalene	10.000	9.292	7.1	73	0.00
80	T	Naphthalene,2-methyl-	10.000	10.908	-9.1	74	0.00
81	T	1,2,4-Trichlorobenzene	10.000	9.383	6.2	76	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
Data File : VL043132.D
Acq On : 17 Oct 2025 09:05
Operator : SY/MD
Sample : VL1017ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABL01

Quant Time: Oct 18 04:32:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

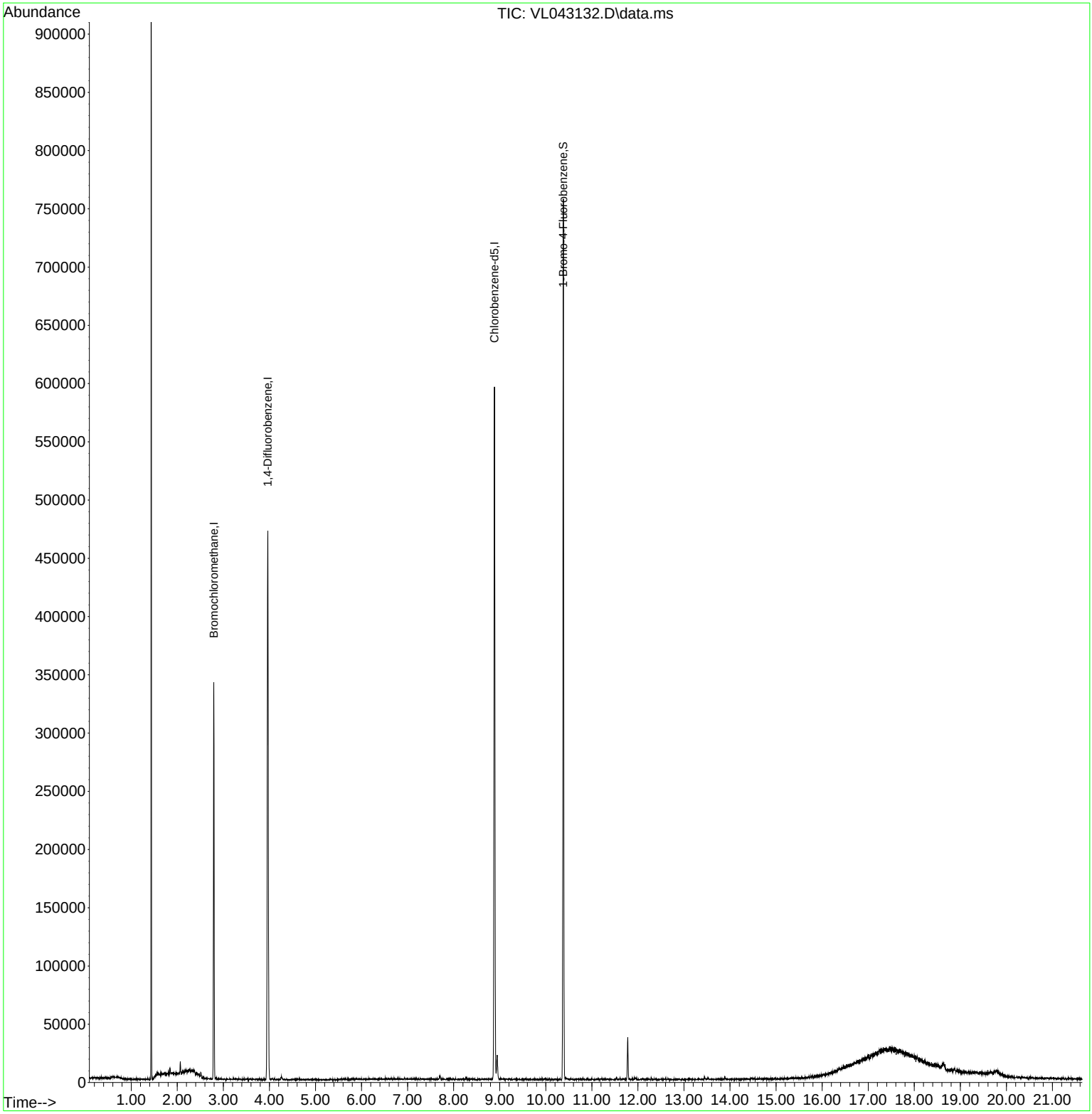
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	88811	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	284361	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	240318	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	189815	10.162	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.600%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
Data File : VL043132.D
Acq On : 17 Oct 2025 09:05
Operator : SY/MD
Sample : VL1017ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABL01

Quant Time: Oct 18 04:32:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
Data File : VL043133.D
Acq On : 17 Oct 2025 09:49
Operator : SY/MD
Sample : VL1017ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Quant Time: Oct 18 04:33:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.791	49	88592	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	276774	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	241870	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.381	95	200910	10.687	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	142819	11.340	ppbv	100
3) Chlorodifluoromethane	1.480	51	129952	9.536	ppbv #	91
4) Chloromethane	1.535	50	48078	9.636	ppbv	99
5) Vinyl Chloride	1.583	62	49874	10.191	ppbv	99
6) Bromomethane	1.671	94	28972	10.796	ppbv	98
7) Chloroethane	1.710	64	19486	9.739	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	112910	11.092	ppbv	97
9) Propene	1.486	41	47629	7.881	ppbv	99
10) Heptane	4.988	43	138994	7.989	ppbv	96
11) Trichlorofluoromethane	1.881	101	150908	12.249	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	114181	11.512	ppbv	99
13) Ethanol	1.726	45	17621	7.882	ppbv	99
14) Bromoethene	1.784	108	40294	10.936	ppbv	97
15) Acetone	1.839	43	113498	9.505	ppbv	98
16) 1,3-Butadiene	1.612	39	55022	9.669	ppbv	99
17) tert-Butyl alcohol	2.043	59	174129	10.624	ppbv	98
18) 1,1-Dichloroethene	2.040	96	48618	11.244	ppbv	90
19) Isopropyl Alcohol	1.888	45	73421	9.872	ppbv	99
20) Methylene Chloride	2.066	84	44228	9.370	ppbv	96
21) Allyl Chloride	2.101	41	89272	10.146	ppbv	93
22) trans-1,2-Dichloroethene	2.344	96	57909	11.204	ppbv	98
23) Vinyl Acetate	2.467	43	175239	10.019	ppbv	97
24) 1,1-Dichloroethane	2.415	63	112208	11.236	ppbv	99
25) Ethyl Acetate	2.839	43	265111	8.953	ppbv	99
26) Hexane	2.833	57	123059	9.019	ppbv	97
27) Carbon Disulfide	2.156	76	137304	10.983	ppbv	96
28) Methyl tert-Butyl Ether	2.444	73	67625	10.894	ppbv	97
29) Chloroform	2.852	83	213292	10.788	ppbv	98
30) Cyclohexane	3.862	84	107580	9.034	ppbv	92
31) cis-1,2-Dichloroethene	2.726	61	134906	10.354	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	223110	10.837	ppbv	99
34) 2-Butanone	2.558	43	174930	9.403	ppbv	96
35) Carbon Tetrachloride	3.768	117	230725	11.595	ppbv	97
36) Benzene	3.664	78	254588	9.766	ppbv	98
37) 1,2-Dichloroethane	3.224	62	174277	11.605	ppbv	96
38) Trichloroethene	4.555	130	98828	9.078	ppbv	95
39) 1,2-Dichloropropane	4.322	63	88716	9.309	ppbv	91
40) 1,4-Dioxane	4.587	88	40336	9.458	ppbv #	94
41) Tetrahydrofuran	3.056	42	87781	8.436	ppbv	94
42) Bromodichloromethane	4.496	83	234007	11.259	ppbv	100
43) Methyl Methacrylate	4.885	69	124049	9.369	ppbv	94
44) 2,2,4-Trimethylpentane	4.645	57	404458	9.196	ppbv	97
45) t-1,3-Dichloropropene	6.419	75	133701	10.063	ppbv	98

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
Data File : VL043133.D
Acq On : 17 Oct 2025 09:49
Operator : SY/MD
Sample : VL1017ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Quant Time: Oct 18 04:33:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	154637m	9.743	ppbv		
47) 1,1,2-Trichloroethane	6.587	97	99146	9.634	ppbv		95
48) Dibromochloromethane	7.390	129	177716	10.328	ppbv		100
49) Bromoform	9.487	173	141493	10.116	ppbv		100
50) 4-Methyl-2-Pentanone	5.752	43	220700	8.596	ppbv		98
51) 2-Hexanone	7.442	43	167255	8.685	ppbv	#	100
52) Tetrachloroethene	8.228	164	85968	9.145	ppbv		95
53) Toluene	6.940	91	289286	9.350	ppbv		100
54) 1,2-Dibromoethane	7.658	107	156166	9.688	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.927	131	159796	10.480	ppbv		98
57) Chlorobenzene	8.927	112	215135	9.508	ppbv		91
58) Ethyl Benzene	9.361	91	406807	9.800	ppbv		95
59) m/p-Xylene	9.555	91	662450m	20.008	ppbv		
60) o-Xylene	9.969	91	327790	10.024	ppbv		98
61) Styrene	9.876	104	138547	9.386	ppbv		97
62) Isopropylbenzene	10.542	105	589869	9.983	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.966	83	201710	9.212	ppbv		99
64) n-propylbenzene	10.992	120	146120	9.341	ppbv		86
65) tert-Butylbenzene	11.536	119	495805	9.502	ppbv		93
66) Benzyl Chloride	11.617	91	50468	8.690	ppbv		99
67) sec-Butylbenzene	11.772	105	720069	9.724	ppbv		97
69) p-Isopropyltoluene	11.931	119	602757	9.578	ppbv		97
70) n-Butylbenzene	12.284	91	623511	10.055	ppbv		98
71) 2-Chlorotoluene	10.905	91	446868	9.916	ppbv		98
72) 4-Ethyltoluene	11.128	105	401046	9.974	ppbv		97
73) 1,3,5-Trimethylbenzene	11.206	105	337470	10.177	ppbv		91
74) 1,2,4-Trimethylbenzene	11.539	105	364871	9.833	ppbv		93
75) 1,3-Dichlorobenzene	11.610	146	204002	9.479	ppbv		98
76) 1,4-Dichlorobenzene	11.675	146	208969	9.629	ppbv		98
77) 1,2-Dichlorobenzene	11.950	146	195406	9.385	ppbv		98
78) Hexachloro-1,3-Butadiene	13.886	225	140542	8.718	ppbv		99
79) Naphthalene	13.517	128	361506	9.321	ppbv		98
80) Naphthalene,2-methyl-	14.462	142	109059	10.793	ppbv		97
81) 1,2,4-Trichlorobenzene	13.442	180	151819	9.431	ppbv		99

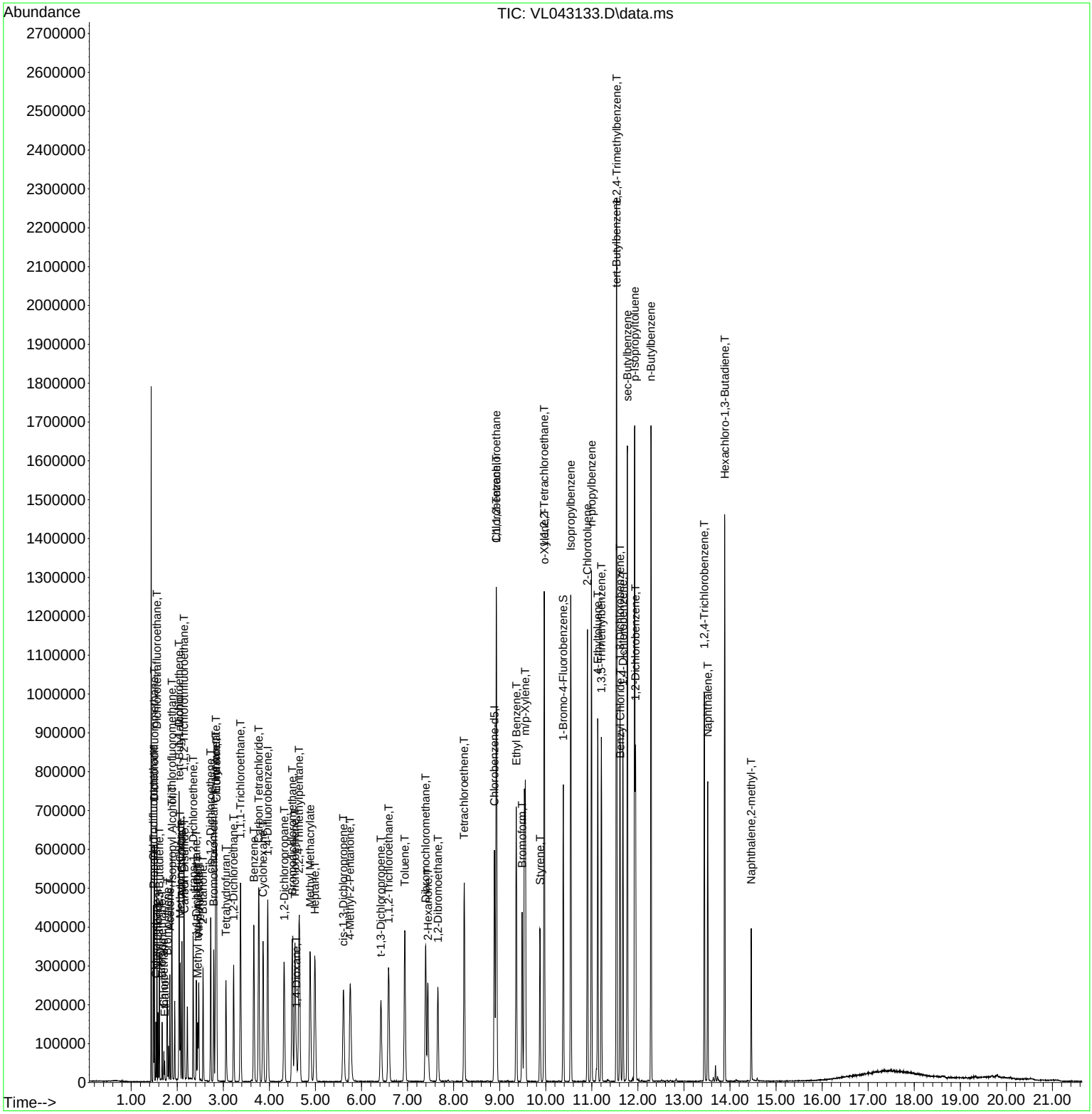
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
Data File : VL043133.D
Acq On : 17 Oct 2025 09:49
Operator : SY/MD
Sample : VL1017ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Quant Time: Oct 18 04:33:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
Data File : VL043134.D
Acq On : 17 Oct 2025 10:21
Operator : SY/MD
Sample : QC101625 CAN 10604
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC101625 CAN 10604

Quant Time: Oct 18 04:33:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

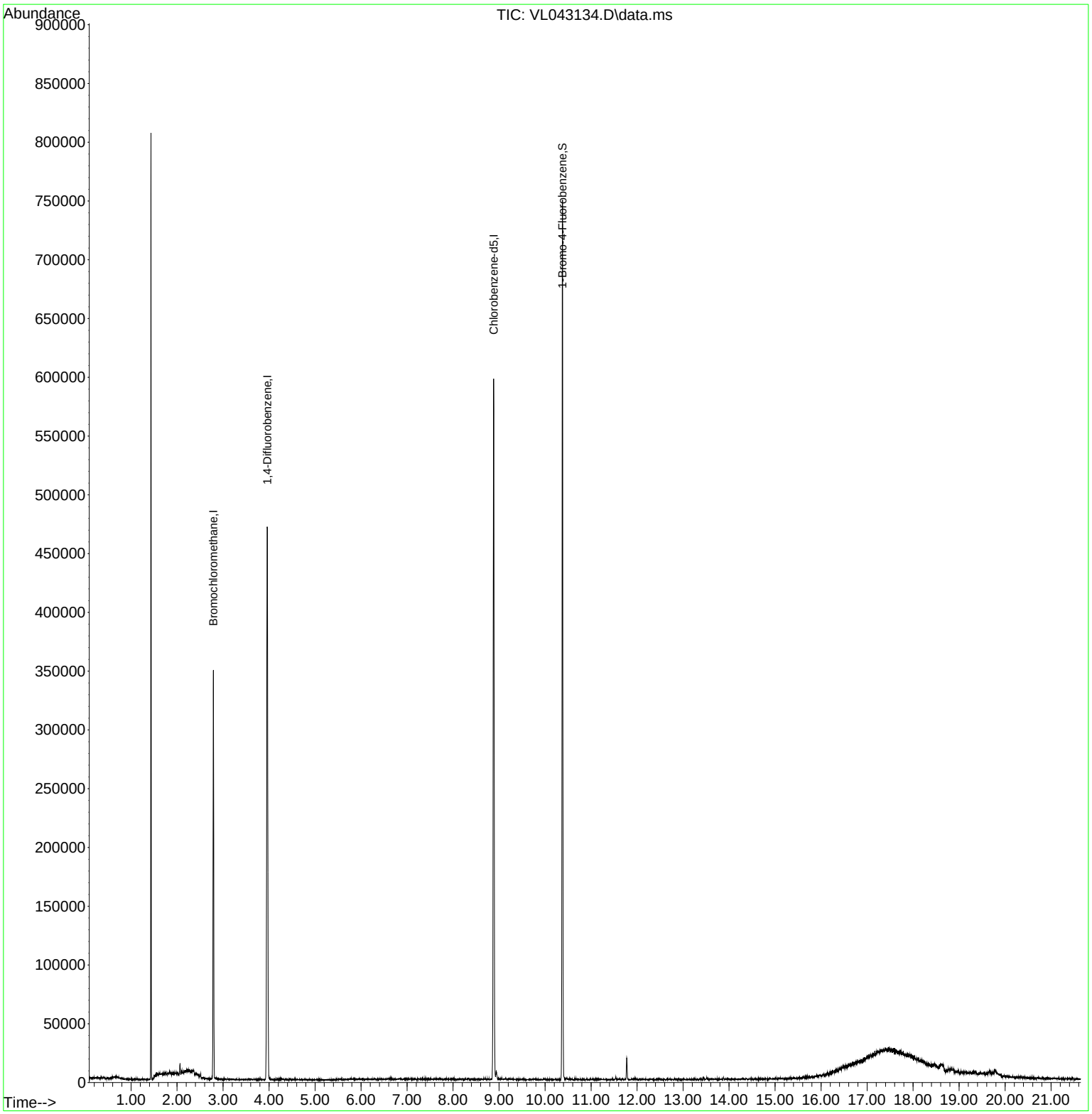
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	88837	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	282277	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	241071	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	195134	10.414	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.100%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
Data File : VL043134.D
Acq On : 17 Oct 2025 10:21
Operator : SY/MD
Sample : QC101625 CAN 10604
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC101625 CAN 10604

Quant Time: Oct 18 04:33:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL101425

Review By	Semsettin Yesilyurt	Review On	10/14/2025 2:02:14 PM				
Supervise By	Mahesh Dadoda	Supervise On	10/16/2025 4:41:37 AM				
SubDirectory	VL101425	HP Acquire Method	TO15AIR		HP Processing Method	VL101425AIR.M	

STD. NAME	STD REF.#
Tune/Reschk	AP2684
Initial Calibration Stds	AP2687,AP2688,AP2689
CCC	AP2687
Internal Standard/PEM	AP2684
ICV/I.BLK	AP2690
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL043103.D	14 Oct 2025 08:42	SY/MD	Ok
2	VSTDICC0.5	VL043104.D	14 Oct 2025 09:57	SY/MD	Not Ok
3	VSTDICCC010	VL043105.D	14 Oct 2025 10:31	SY/MD	Ok,M
4	VSTDICC002	VL043106.D	14 Oct 2025 11:27	SY/MD	Ok,M
5	VSTDICC001	VL043107.D	14 Oct 2025 12:01	SY/MD	Ok,M
6	VSTDICC0.5	VL043108.D	14 Oct 2025 12:34	SY/MD	Ok,M
7	VSTDICC0.1	VL043109.D	14 Oct 2025 13:08	SY/MD	Ok,M
8	VSTDICC0.03	VL043110.D	14 Oct 2025 13:42	SY/MD	Ok,M
9	VSTDICC015	VL043111.D	14 Oct 2025 14:18	SY/MD	Ok,M
10	VSTDICV010	VL043112.D	14 Oct 2025 14:51	SY/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL101725

Review By	Semsettin Yesilyurt	Review On	10/20/2025 8:29:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/24/2025 7:57:55 AM		
SubDirectory	VL101725	HP Acquire Method	TO15AIR	HP Processing Method	VL101425AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2684
Initial Calibration Stds	AP2687,AP2688,AP2689
CCC	AP2687
Internal Standard/PEM	AP2684
ICV/I.BLK	AP2690
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL043130.D	17 Oct 2025 07:42	SY/MD	Ok
2	VSTDCCC010	VL043131.D	17 Oct 2025 08:24	SY/MD	Ok,M
3	VL1017ABL01	VL043132.D	17 Oct 2025 09:05	SY/MD	Ok
4	VL1017ABS01	VL043133.D	17 Oct 2025 09:49	SY/MD	Ok,M
5	QC101625 CAN 10604	VL043134.D	17 Oct 2025 10:21	SY/MD	Ok
6	QC101525 CAN 10332	VL043135.D	17 Oct 2025 11:03	SY/MD	Ok

M : Manual Integration