Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042932.D
Acq On : 17 Sep 2025 11:58
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:29:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	156392	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.955	114	401247	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.882	117	338744	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	263700	9.959	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	11457	0.513	ppbv		99
3) Chlorodifluoromethane	1.476	51	12168	0.517	ppbv		100
4) Chloromethane	1.534	50	4596	0.512	ppbv	#	84
5) Vinyl Chloride	1.580	62	4260	0.503	ppbv		90
6) Bromomethane	1.667	94	1694	0.576	ppbv	#	79
7) Chloroethane	1.703	64	1499	0.481	ppbv		91
8) Dichlorotetrafluoroethane	1.554	85	9022	0.509	ppbv		91
9) Propene	1.483	41	4027	0.469	ppbv		90
10) Heptane	4.981	43	7851m	0.369	ppbv		
11) Trichlorofluoromethane	1.877	101	10951	0.496	ppbv		86
12) 1,1,2-Trichlorotrifluo...	2.140	101	8872	0.515	ppbv		100
13) Ethanol	1.722	45	545m	0.622	ppbv		
14) Bromoethene	1.780	108	3180	0.518	ppbv		97
15) Acetone	1.835	43	11107	0.578	ppbv		97
16) 1,3-Butadiene	1.609	39	4527	0.563	ppbv		98
17) tert-Butyl alcohol	2.042	59	9574	0.518	ppbv		100
18) 1,1-Dichloroethene	2.033	96	3704	0.491	ppbv		97
19) Isopropyl Alcohol	1.887	45	5637	0.547	ppbv	#	97
20) Methylene Chloride	2.062	84	5602	0.670	ppbv	#	89
21) Allyl Chloride	2.094	41	6908	0.531	ppbv		91
22) trans-1,2-Dichloroethene	2.340	96	4297	0.502	ppbv		89
23) Vinyl Acetate	2.463	43	10743	0.481	ppbv	#	94
24) 1,1-Dichloroethane	2.408	63	8640	0.511	ppbv		98
25) Ethyl Acetate	2.839	43	18457	0.450	ppbv		97
26) Hexane	2.826	57	7346	0.417	ppbv	#	83
27) Carbon Disulfide	2.149	76	11231	0.517	ppbv	#	1
28) Methyl tert-Butyl Ether	2.441	73	5027	0.520	ppbv		96
29) Chloroform	2.845	83	14102	0.490	ppbv		94
30) Cyclohexane	3.852	84	4888m	0.369	ppbv		
31) cis-1,2-Dichloroethene	2.719	61	7566	0.440	ppbv	#	87
32) 1,1,1-Trichloroethane	3.366	97	13029	0.484	ppbv		95
34) 2-Butanone	2.560	43	11954	0.460	ppbv		91
35) Carbon Tetrachloride	3.755	117	13842m	0.485	ppbv		
36) Benzene	3.654	78	16361	0.467	ppbv	#	86
37) 1,2-Dichloroethane	3.217	62	10620	0.507	ppbv		97
38) Trichloroethene	4.548	130	7478m	0.472	ppbv		
39) 1,2-Dichloropropane	4.308	63	7185	0.508	ppbv	#	81
40) 1,4-Dioxane	4.606	88	1992m	0.397	ppbv		
41) Tetrahydrofuran	3.059	42	5821m	0.455	ppbv		
42) Bromodichloromethane	4.489	83	15717m	0.522	ppbv		
43) Methyl Methacrylate	4.881	69	4550m	0.388	ppbv		
44) 2,2,4-Trimethylpentane	4.638	57	23481m	0.402	ppbv		
45) t-1,3-Dichloropropene	6.415	75	5044m	0.408	ppbv		

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.603	75	7341m	0.431	ppbv		
47)	1,1,2-Trichloroethane	6.583	97	7061m	0.490	ppbv		
48)	Dibromochloromethane	7.380	129	10997m	0.487	ppbv		
49)	Bromoform	9.484	173	8614	0.489	ppbv		99
50)	4-Methyl-2-Pentanone	5.761	43	11932m	0.385	ppbv		
51)	2-Hexanone	7.444	43	8494m	0.372	ppbv		
52)	Tetrachloroethene	8.234	164	5126m	0.471	ppbv		
53)	Toluene	6.933	91	11993	0.368	ppbv		98
54)	1,2-Dibromoethane	7.658	107	8754m	0.472	ppbv		
56)	1,1,1,2-Tetrachloroethane	8.927	131	8760m	0.507	ppbv		
57)	Chlorobenzene	8.924	112	16080	0.514	ppbv	#	92
58)	Ethyl Benzene	9.354	91	15958	0.366	ppbv		91
59)	m/p-Xylene	9.539	91	24990m	0.678	ppbv		
60)	o-Xylene	9.963	91	12302	0.336	ppbv		100
61)	Styrene	9.869	104	4154	0.748	ppbv		93
62)	Isopropylbenzene	10.539	105	19343	0.362	ppbv		98
63)	1,1,2,2-Tetrachloroethane	9.959	83	12366m	0.467	ppbv		
64)	n-propylbenzene	10.989	120	4697	0.339	ppbv		90
65)	tert-Butylbenzene	11.529	119	13853	0.304	ppbv		91
66)	Benzyl Chloride	11.613	91	1547	0.365	ppbv		95
67)	sec-Butylbenzene	11.769	105	23691	0.341	ppbv		98
69)	p-Isopropyltoluene	11.924	119	16694	0.312	ppbv		95
70)	n-Butylbenzene	12.280	91	16636	0.527	ppbv		91
71)	2-Chlorotoluene	10.898	91	14134	0.357	ppbv		98
72)	4-Ethyltoluene	11.124	105	13199	0.591	ppbv	#	95
73)	1,3,5-Trimethylbenzene	11.202	105	11354	0.313	ppbv		94
74)	1,2,4-Trimethylbenzene	11.539	105	13232	0.310	ppbv	#	79
75)	1,3-Dichlorobenzene	11.607	146	11911	0.441	ppbv		98
76)	1,4-Dichlorobenzene	11.671	146	10649	0.410	ppbv		98
77)	1,2-Dichlorobenzene	11.947	146	11678	0.428	ppbv		97
78)	Hexachloro-1,3-Butadiene	13.879	225	9035	0.519	ppbv		97
79)	Naphthalene	13.513	128	7418	0.523	ppbv	#	94
80)	Naphthalene,2-methyl-	14.458	142	2905	0.949	ppbv		96
81)	1,2,4-Trichlorobenzene	13.439	180	4520	0.626	ppbv		98

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

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