

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041912.D
 Acq On : 15 Jan 2025 02:23
 Operator : SY/MD
 Sample : MDL 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 04:26:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.790	49	129810	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	371443	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	325848	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.383	95	255145	9.941	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	2292	0.130	ppbv #	88
3) Chlorodifluoromethane	1.476	51	2395	0.129	ppbv	95
4) Chloromethane	1.535	50	1091	0.164	ppbv #	72
5) Vinyl Chloride	1.583	62	873	0.130	ppbv #	74
6) Bromomethane	1.670	94	431m	0.134	ppbv	
7) Chloroethane	1.709	64	449	0.171	ppbv #	79
8) Dichlorotetrafluoroethane	1.557	85	1798	0.116	ppbv	89
9) Propene	1.486	41	1081m	0.142	ppbv	
10) Heptane	4.988	43	1940m	0.095	ppbv	
11) Trichlorofluoromethane	1.881	101	2420	0.132	ppbv	88
12) 1,1,2-Trichlorotrifluo...	2.143	101	1703	0.118	ppbv	85
14) Bromoethene	1.787	108	746	0.141	ppbv #	67
15) Acetone	1.839	43	2968	0.190	ppbv	95
16) 1,3-Butadiene	1.612	39	1118	0.160	ppbv #	81
17) tert-Butyl alcohol	2.049	59	2364	0.123	ppbv #	94
18) 1,1-Dichloroethene	2.036	96	841	0.129	ppbv #	54
19) Isopropyl Alcohol	1.894	45	1858	0.201	ppbv #	37
20) Methylene Chloride	2.065	84	1750	0.284	ppbv #	89
21) Allyl Chloride	2.101	41	1406	0.130	ppbv #	61
22) trans-1,2-Dichloroethene	2.347	96	1125m	0.153	ppbv	
24) 1,1-Dichloroethane	2.415	63	2134	0.150	ppbv #	91
25) Ethyl Acetate	2.845	43	4781m	0.114	ppbv	
26) Hexane	2.836	57	1649	0.099	ppbv #	3
27) Carbon Disulfide	2.153	76	1894	0.115	ppbv #	73
28) Methyl tert-Butyl Ether	2.447	73	1797	0.141	ppbv #	86
29) Chloroform	2.852	83	2997	0.114	ppbv	97
30) Cyclohexane	3.862	84	1245m	0.086	ppbv	
31) cis-1,2-Dichloroethene	2.729	61	1900	0.109	ppbv	89
32) 1,1,1-Trichloroethane	3.379	97	2567	0.102	ppbv	94
34) 2-Butanone	2.567	43	3017	0.128	ppbv	99
35) Carbon Tetrachloride	3.765	117	2845m	0.122	ppbv	
36) Benzene	3.664	78	3602m	0.106	ppbv	
37) 1,2-Dichloroethane	3.227	62	2651m	0.139	ppbv	
38) Trichloroethene	4.551	130	1292m	0.096	ppbv	
39) 1,2-Dichloropropane	4.328	63	1279m	0.107	ppbv	
40) 1,4-Dioxane	4.622	88	692m	0.115	ppbv	
41) Tetrahydrofuran	3.082	42	1615m	0.126	ppbv	
42) Bromodichloromethane	4.493	83	2893m	0.113	ppbv	
43) Methyl Methacrylate	4.904	69	881m	0.070	ppbv	
44) 2,2,4-Trimethylpentane	4.648	57	5371m	0.097	ppbv	
45) t-1,3-Dichloropropene	6.428	75	959m	0.081	ppbv	
46) cis-1,3-Dichloropropene	5.622	75	1410m	0.091	ppbv	
47) 1,1,2-Trichloroethane	6.600	97	1477m	0.117	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Dibromochloromethane	7.393	129	1942m	0.099	ppbv	
49) Bromoform	9.490	173	1445	0.090	ppbv	93
50) 4-Methyl-2-Pentanone	5.781	43	2806m	0.087	ppbv	
51) 2-Hexanone	7.461	43	2057m	0.083	ppbv	
52) Tetrachloroethene	8.231	164	1389m	0.118	ppbv	
53) Toluene	6.940	91	3415m	0.092	ppbv	
54) 1,2-Dibromoethane	7.658	107	1810m	0.104	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.927	131	1651m	0.102	ppbv	
57) Chlorobenzene	8.930	112	3290	0.109	ppbv #	77
58) Ethyl Benzene	9.364	91	4284m	0.084	ppbv	
59) m/p-Xylene	9.539	91	6737m	0.165	ppbv	
60) o-Xylene	9.969	91	2766	0.068	ppbv	83
61) Styrene	9.875	104	1324m	0.073	ppbv	
62) Isopropylbenzene	10.542	105	5312	0.085	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.969	83	3000m	0.116	ppbv	
64) n-propylbenzene	10.995	120	1147	0.072	ppbv	86
65) tert-Butylbenzene	11.533	119	3524	0.062	ppbv	93
67) sec-Butylbenzene	11.772	105	5636	0.072	ppbv	95
69) p-Isopropyltoluene	11.927	119	3943	0.061	ppbv	94
70) n-Butylbenzene	12.283	91	4359	0.068	ppbv	92
71) 2-Chlorotoluene	10.905	91	3670	0.079	ppbv	98
72) 4-Ethyltoluene	11.128	105	3541	0.073	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.212	105	3195	0.075	ppbv #	74
74) 1,2,4-Trimethylbenzene	11.542	105	3328	0.072	ppbv #	86
75) 1,3-Dichlorobenzene	11.610	146	2742	0.100	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	2453	0.091	ppbv	89
77) 1,2-Dichlorobenzene	11.957	146	2794	0.103	ppbv	96
78) Hexachloro-1,3-Butadiene	13.889	225	2259	0.101	ppbv #	88
79) Naphthalene	13.520	128	3062	0.066	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	875	0.040	ppbv #	91
81) 1,2,4-Trichlorobenzene	13.445	180	2042	0.090	ppbv	89

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

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