

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042021.D
 Acq On : 14 Feb 2025 15:31
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/17/2025
 Supervised By : Mahesh Dadoda 02/17/2025

Quant Time: Feb 15 01:23:42 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

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

QLast Update : Sat Feb 15 01:17:03 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	86925	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	262414	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.862	117	237914	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.361 95 198454 10.112 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.492	85	223559	14.940	ppbv	97
3) Chlorodifluoromethane	1.470	51	243126	14.686	ppbv	97
4) Chloromethane	1.525	50	88610	15.238	ppbv	99
5) Vinyl Chloride	1.573	62	84240	12.115	ppbv	97
6) Bromomethane	1.661	94	38291	14.205	ppbv	96
7) Chloroethane	1.696	64	33647	14.847	ppbv	98
8) Dichlorotetrafluoroethane	1.547	85	194356	14.765	ppbv	98
9) Propene	1.476	41	105896	14.803	ppbv	99
10) Heptane	4.949	43	287361	14.584	ppbv	100
11) Trichlorofluoromethane	1.868	101	220304	14.629	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.130	101	175546	14.948	ppbv	99
13) Ethanol	1.712	45	5186	5.987	ppbv	90
14) Bromoethene	1.774	108	62750	14.308	ppbv	98
15) Acetone	1.826	43	180374	12.572	ppbv	98
16) 1,3-Butadiene	1.602	39	92580	13.602	ppbv	99
17) tert-Butyl alcohol	2.030	59	246990	13.912	ppbv	97
18) 1,1-Dichloroethene	2.023	96	78879	13.810	ppbv	97
19) Isopropyl Alcohol	1.877	45	108718	13.435	ppbv	100
20) Methylene Chloride	2.052	84	69635	12.893	ppbv	97
21) Allyl Chloride	2.085	41	146143	14.153	ppbv	98
22) trans-1,2-Dichloroethene	2.331	96	88308	14.500	ppbv	99
23) Vinyl Acetate	2.450	43	116346	14.975	ppbv	97
24) 1,1-Dichloroethane	2.399	63	179098	14.485	ppbv	99
25) Ethyl Acetate	2.823	43	569390	14.459	ppbv	99
26) Hexane	2.813	57	228493	14.459	ppbv	99
27) Carbon Disulfide	2.140	76	222067	14.941	ppbv	97
28) Methyl tert-Butyl Ether	2.428	73	135275	14.003	ppbv	99
29) Chloroform	2.836	83	336006	14.680	ppbv	99
30) Cyclohexane	3.836	84	204650	14.786	ppbv	99
31) cis-1,2-Dichloroethene	2.709	61	233761	14.967	ppbv	97
32) 1,1,1-Trichloroethane	3.350	97	361627	14.247	ppbv	99
34) 2-Butanone	2.544	43	325304	14.409	ppbv	100
35) Carbon Tetrachloride	3.742	117	355299	14.222	ppbv	98
36) Benzene	3.638	78	477637	15.026	ppbv	99
37) 1,2-Dichloroethane	3.204	62	265263	14.659	ppbv	100
38) Trichloroethene	4.525	130	183311	14.041	ppbv	89
39) 1,2-Dichloropropane	4.289	63	173533	14.715	ppbv	97
40) 1,4-Dioxane	4.561	88	81743	13.560	ppbv #	98
41) Tetrahydrofuran	3.039	42	188901	14.339	ppbv	98
42) Bromodichloromethane	4.467	83	383649	15.642	ppbv	99
43) Methyl Methacrylate	4.852	69	195343	13.671	ppbv	97
44) 2,2,4-Trimethylpentane	4.616	57	792396	14.684	ppbv	99
45) t-1,3-Dichloropropene	6.389	75	212040	15.480	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042021.D
 Acq On : 14 Feb 2025 15:31
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/17/2025
 Supervised By :Mahesh Dadoda 02/17/2025

Quant Time: Feb 15 01:23:42 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

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

QLast Update : Sat Feb 15 01:17:03 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.570	75	262404	15.119	ppbv	99
47) 1,1,2-Trichloroethane	6.558	97	184185	15.018	ppbv	97
48) Dibromochloromethane	7.367	129	307444	15.086	ppbv	99
49) Bromoform	9.467	173	256214	15.207	ppbv	99
50) 4-Methyl-2-Pentanone	5.723	43	493570	14.067	ppbv	100
51) 2-Hexanone	7.415	43	406282	14.128	ppbv #	99
52) Tetrachloroethene	8.205	164	150659	13.578	ppbv	93
53) Toluene	6.910	91	557848	14.831	ppbv	100
54) 1,2-Dibromoethane	7.632	107	256693	15.004	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.907	131	231487	13.630	ppbv	98
57) Chlorobenzene	8.904	112	391336	13.982	ppbv	95
58) Ethyl Benzene	9.338	91	768548	14.760	ppbv	100
59) m/p-Xylene	9.535	91	1201342m	29.266	ppbv	
60) o-Xylene	9.946	91	593457	14.307	ppbv	98
61) Styrene	9.853	104	296264	14.978	ppbv	98
62) Isopropylbenzene	10.526	105	883027	14.180	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.946	83	356686	13.331	ppbv	100
64) n-propylbenzene	10.976	120	218866	14.304	ppbv	96
65) tert-Butylbenzene	11.519	119	748190	13.782	ppbv	99
66) Benzyl Chloride	11.604	91	80312	14.663	ppbv	99
67) sec-Butylbenzene	11.756	105	1055064	13.836	ppbv	99
69) p-Isopropyltoluene	11.914	119	852283	13.654	ppbv	98
70) n-Butylbenzene	12.270	91	864461	14.059	ppbv	99
71) 2-Chlorotoluene	10.888	91	668867	14.262	ppbv	100
72) 4-Ethyltoluene	11.112	105	695430	14.289	ppbv	100
73) 1,3,5-Trimethylbenzene	11.189	105	599031	14.290	ppbv	95
74) 1,2,4-Trimethylbenzene	11.526	105	613669	13.640	ppbv	98
75) 1,3-Dichlorobenzene	11.594	146	336922	13.912	ppbv	99
76) 1,4-Dichlorobenzene	11.659	146	337749	14.301	ppbv	99
77) 1,2-Dichlorobenzene	11.934	146	320100	13.827	ppbv	99
78) Hexachloro-1,3-Butadiene	13.872	225	235409	12.291	ppbv	99
79) Naphthalene	13.503	128	518798	11.723	ppbv	99
80) Naphthalene,2-methyl-	14.445	142	188818	9.388	ppbv	99
81) 1,2,4-Trichlorobenzene	13.429	180	233085	12.956	ppbv	100

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

