

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011623\
 Data File : VL040097.D
 Acq On : 16 Jan 2023 14:07
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023

Quant Time: Jan 16 14:36:42 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Mon Jan 16 11:28:27 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1184428	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2931378	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	3031182m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 2462286 10.634 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	3001968	13.540	ppbv	97
3) Chlorodifluoromethane	2.665	51	1840033	10.529	ppbv	99
4) Chloromethane	2.803	50	1146542	10.471	ppbv	100
5) Vinyl Chloride	2.912	62	1013028	11.435	ppbv	98
6) Bromomethane	3.111	94	358141	11.002	ppbv	98
7) Chloroethane	3.189	64	376605	11.267	ppbv	99
8) Dichlorotetrafluoroethane	2.848	85	2519981	10.803	ppbv	98
9) Propene	2.684	41	776625	10.472	ppbv	99
10) Heptane	7.590	43	2009739	11.103	ppbv	99
11) Trichlorofluoromethane	3.558	101	2657234	11.030	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.063	101	2005557	10.992	ppbv	99
13) Ethanol	3.237	45	53891m	7.721	ppbv	
14) Bromoethene	3.359	108	792186	11.530	ppbv	98
15) Acetone	3.462	43	1786240	9.749	ppbv	100
16) 1,3-Butadiene	2.976	39	924853	11.613	ppbv	100
17) tert-Butyl alcohol	3.877	59	1652092	9.146	ppbv	99
18) 1,1-Dichloroethene	3.877	96	897385	11.300	ppbv	95
19) Isopropyl Alcohol	3.571	45	852511	9.441	ppbv	98
20) Methylene Chloride	3.928	84	760457	9.764	ppbv	98
21) Allyl Chloride	3.992	41	1270580	11.540	ppbv	98
22) trans-1,2-Dichloroethene	4.443	96	942955	11.913	ppbv	94
23) Vinyl Acetate	4.629	43	646817	11.135	ppbv #	97
24) 1,1-Dichloroethane	4.565	63	1847801	10.832	ppbv	99
25) Ethyl Acetate	5.208	43	3601811	11.351	ppbv	100
26) Hexane	5.214	57	1554662	11.657	ppbv	97
27) Carbon Disulfide	4.121	76	2239947	13.315	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	1686764	10.732	ppbv	100
29) Chloroform	5.279	83	2641797	12.980	ppbv	98
30) Cyclohexane	6.606	84	1285003	10.880	ppbv	98
31) cis-1,2-Dichloroethene	5.082	61	1506093	11.858	ppbv	96
32) 1,1,1-Trichloroethane	6.008	97	2626389	12.054	ppbv	99
34) 2-Butanone	4.787	43	2053144	12.911	ppbv	99
35) Carbon Tetrachloride	6.500	117	2743987	15.071	ppbv	97
36) Benzene	6.378	78	3271502	12.496	ppbv	99
37) 1,2-Dichloroethane	5.812	62	2066016	13.452	ppbv	100
38) Trichloroethene	7.301	130	1962597	14.588	ppbv	99
39) 1,2-Dichloropropane	7.082	63	1271998	12.962	ppbv	97
40) 1,4-Dioxane	7.291	88	492918	11.145	ppbv	94
41) Tetrahydrofuran	5.558	42	1253208	12.625	ppbv	99
42) Bromodichloromethane	7.259	83	2957666	14.057	ppbv	98
43) Methyl Methacrylate	7.484	69	1340202	13.640	ppbv	99
44) 2,2,4-Trimethylpentane	7.336	57	5386333	12.497	ppbv	99
45) t-1,3-Dichloropropene	8.725	75	1388446	16.720	ppbv	99

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

QLast Update : Mon Jan 16 11:28:27 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	1791984	15.300	ppbv	99
47) 1,1,2-Trichloroethane	8.912	97	1397237	13.002	ppbv	99
48) Dibromochloromethane	9.725	129	2462019	15.065	ppbv	99
49) Bromoform	12.423	173	2016830	16.177	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	3452931	13.291	ppbv	99
51) 2-Hexanone	9.565	43	2752624	13.621	ppbv #	97
52) Tetrachloroethene	10.629	164	1149633	12.916	ppbv	98
53) Toluene	9.233	91	3789613	13.074	ppbv	99
54) 1,2-Dibromoethane	10.028	107	1627331	14.062	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.526	131	1735609	12.413	ppbv	96
57) Chlorobenzene	11.545	112	2973426	11.556	ppbv	97
58) Ethyl Benzene	12.105	91	5184022	12.037	ppbv	99
59) m/p-Xylene	12.391	91	8962698m	23.889	ppbv	
60) o-Xylene	13.076	91	4355203	12.116	ppbv	98
61) Styrene	12.915	104	2569960	13.331	ppbv	99
62) Isopropylbenzene	14.050	105	5984738	11.549	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.066	83	1501679	11.395	ppbv	99
64) n-propylbenzene	14.934	120	1580656	12.076	ppbv	92
65) tert-Butylbenzene	16.114	119	5284387	11.734	ppbv	98
66) Benzyl Chloride	16.346	91	433088	16.492	ppbv #	97
67) sec-Butylbenzene	16.658	105	7334709	11.622	ppbv	99
69) p-Isopropyltoluene	17.018	119	5970669	11.843	ppbv	99
70) n-Butylbenzene	17.908	91	6360262	12.042	ppbv	98
71) 2-Chlorotoluene	14.822	91	4744923	12.001	ppbv	99
72) 4-Ethyltoluene	15.214	105	4918852	12.325	ppbv	98
73) 1,3,5-Trimethylbenzene	15.371	105	4373724	12.152	ppbv	97
74) 1,2,4-Trimethylbenzene	16.130	105	4718692	11.893	ppbv	97
75) 1,3-Dichlorobenzene	16.355	146	2661139	12.258	ppbv	100
76) 1,4-Dichlorobenzene	16.494	146	2588461	12.213	ppbv	99
77) 1,2-Dichlorobenzene	17.166	146	2495604	11.986	ppbv	99
78) Hexachloro-1,3-Butadiene	22.660	225	1676914	11.610	ppbv	99
79) Naphthalene	21.410	128	3470958	14.682	ppbv	99
80) Naphthalene,2-methyl-	24.390	142	1093239	15.114	ppbv	94
81) 1,2,4-Trichlorobenzene	21.162	180	1816871	12.939	ppbv	98

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

