

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
 Data File : VL040736.D
 Acq On : 4 Oct 2023 11:36
 Operator : SY/MD
 Sample : VL1004ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1004ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/05/2023
 Supervised By : Mahesh Dadoda 10/05/2023

Quant Time: Oct 05 04:26:03 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M

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

QLast Update : Tue Sep 19 05:12:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1100557	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3004800	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	3025923m	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.761 95 2062612 8.823 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 88.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.739	85	2350383	9.693	ppbv	99
3) Chlorodifluoromethane	2.684	51	1744187	9.728	ppbv	97
4) Chloromethane	2.822	50	694612	10.120	ppbv	100
5) Vinyl Chloride	2.928	62	788476	9.719	ppbv	95
6) Bromomethane	3.128	94	376597	9.622	ppbv	96
7) Chloroethane	3.202	64	277539	9.961	ppbv	96
8) Dichlorotetrafluoroethane	2.864	85	1895038	9.467	ppbv	98
9) Propene	2.703	41	571300	11.061	ppbv	96
10) Heptane	7.571	43	1350759	11.606	ppbv	97
11) Trichlorofluoromethane	3.565	101	1890602	8.869	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.066	101	1448415	9.499	ppbv	100
13) Ethanol	3.247	45	128492	8.405	ppbv	94
14) Bromoethene	3.369	108	628608	9.829	ppbv	99
15) Acetone	3.472	43	1313296	9.047	ppbv	100
16) 1,3-Butadiene	2.993	39	674574	10.662	ppbv	95
17) tert-Butyl alcohol	3.880	59	1497799	10.073	ppbv	99
18) 1,1-Dichloroethene	3.880	96	661519	9.760	ppbv	98
19) Isopropyl Alcohol	3.578	45	885785	10.127	ppbv	100
20) Methylene Chloride	3.931	84	561676	7.189	ppbv	95
21) Allyl Chloride	3.996	41	934068	10.499	ppbv	98
22) trans-1,2-Dichloroethene	4.443	96	675531	10.080	ppbv	100
23) Vinyl Acetate	4.623	43	1710200	11.392	ppbv	99
24) 1,1-Dichloroethane	4.562	63	1357564	9.663	ppbv	99
25) Ethyl Acetate	5.198	43	2500068	10.678	ppbv	100
26) Hexane	5.208	57	1124799	10.160	ppbv	96
27) Carbon Disulfide	4.124	76	1723289	11.162	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	1006975	10.572	ppbv	99
29) Chloroform	5.269	83	1918733	10.038	ppbv	99
30) Cyclohexane	6.594	84	991371	11.891	ppbv	98
31) cis-1,2-Dichloroethene	5.076	61	1158898	11.283	ppbv	92
32) 1,1,1-Trichloroethane	5.996	97	1933005	9.892	ppbv	99
34) 2-Butanone	4.784	43	1500604	9.930	ppbv	97
35) Carbon Tetrachloride	6.488	117	2011573	9.750	ppbv	96
36) Benzene	6.362	78	2446721	10.996	ppbv	96
37) 1,2-Dichloroethane	5.800	62	1423799	9.350	ppbv	97
38) Trichloroethene	7.285	130	977590	11.521	ppbv	98
39) 1,2-Dichloropropane	7.063	63	904788	10.564	ppbv	96
40) 1,4-Dioxane	7.275	88	393090	12.140	ppbv #	98
41) Tetrahydrofuran	5.549	42	891878	11.510	ppbv	100
42) Bromodichloromethane	7.243	83	2101159	10.112	ppbv	98
43) Methyl Methacrylate	7.465	69	968598	11.711	ppbv	98
44) 2,2,4-Trimethylpentane	7.317	57	3898021	11.003	ppbv	97
45) t-1,3-Dichloropropene	8.700	75	828883	12.924	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	939180	11.969	ppbv	95
47) 1,1,2-Trichloroethane	8.886	97	1033092	10.510	ppbv	98
48) Dibromochloromethane	9.700	129	1785170	11.010	ppbv	99
49) Bromoform	12.394	173	1489546	11.186	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2277222	11.152	ppbv	97
51) 2-Hexanone	9.539	43	1693313	12.014	ppbv #	97
52) Tetrachloroethene	10.603	164	859028	11.835	ppbv	98
53) Toluene	9.211	91	2822955	12.017	ppbv	100
54) 1,2-Dibromoethane	9.996	107	1501367	11.967	ppbv	92
56) 1,1,1,2-Tetrachloroethane	11.494	131	1308292	9.070	ppbv	98
57) Chlorobenzene	11.513	112	2204465	9.620	ppbv	98
58) Ethyl Benzene	12.073	91	3776296	10.946	ppbv	98
59) m/p-Xylene	12.359	91	6482586m	20.011	ppbv	
60) o-Xylene	13.047	91	3113834	10.079	ppbv	99
61) Styrene	12.883	104	1604023	12.389	ppbv	97
62) Isopropylbenzene	14.015	105	4525795	9.703	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.031	83	2236856	9.238	ppbv	99
64) n-propylbenzene	14.902	120	1182054	10.135	ppbv	97
65) tert-Butylbenzene	16.072	119	3987447	9.524	ppbv	97
66) Benzyl Chloride	16.310	91	548406	11.224	ppbv	98
67) sec-Butylbenzene	16.619	105	5682427	9.481	ppbv	100
69) p-Isopropyltoluene	16.979	119	4632950	9.836	ppbv	99
70) n-Butylbenzene	17.870	91	4970708	9.588	ppbv	99
71) 2-Chlorotoluene	14.783	91	3488003	10.107	ppbv	98
72) 4-Ethyltoluene	15.175	105	3633526	10.488	ppbv	100
73) 1,3,5-Trimethylbenzene	15.336	105	3136104	10.053	ppbv	99
74) 1,2,4-Trimethylbenzene	16.092	105	3522231	9.262	ppbv	94
75) 1,3-Dichlorobenzene	16.317	146	2069693	9.552	ppbv	99
76) 1,4-Dichlorobenzene	16.455	146	2016119	9.457	ppbv	99
77) 1,2-Dichlorobenzene	17.127	146	1989246	9.217	ppbv	99
78) Hexachloro-1,3-Butadiene	22.616	225	1468421	8.993	ppbv	99
79) Naphthalene	21.365	128	3179535	13.436	ppbv	98
80) Naphthalene,2-methyl-	24.362	142	857108	14.787	ppbv	98
81) 1,2,4-Trichlorobenzene	21.120	180	1650884	10.680	ppbv	99

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

