

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
 Data File : VL040515.D
 Acq On : 10 Jul 2023 20:30
 Operator : SY/MD
 Sample : VL0710ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0710ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/11/2023
 Supervised By : Mahesh Dadoda 07/11/2023

Quant Time: Jul 11 02:10:24 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

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

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1010485	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2497666	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2294662	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2030358 11.180 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 111.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	1993461	9.863	ppbv	99
3) Chlorodifluoromethane	2.681	51	1499129	9.360	ppbv	95
4) Chloromethane	2.819	50	596806m	9.406	ppbv	
5) Vinyl Chloride	2.928	62	631349	9.476	ppbv	98
6) Bromomethane	3.124	94	288171	10.247	ppbv	98
7) Chloroethane	3.202	64	222361	9.512	ppbv	93
8) Dichlorotetrafluoroethane	2.864	85	1641894	9.874	ppbv	100
9) Propene	2.700	41	437316	7.975	ppbv	95
10) Heptane	7.587	43	1155233	9.541	ppbv	99
11) Trichlorofluoromethane	3.568	101	1702366	10.438	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.070	101	1170194	10.188	ppbv	96
13) Ethanol	3.243	45	96693	8.105	ppbv	99
14) Bromoethene	3.372	108	506320	10.252	ppbv	99
15) Acetone	3.472	43	1104876	9.499	ppbv	99
16) 1,3-Butadiene	2.993	39	572412	9.755	ppbv	98
17) tert-Butyl alcohol	3.880	59	1151881	9.575	ppbv	99
18) 1,1-Dichloroethene	3.883	96	552767	10.468	ppbv	93
19) Isopropyl Alcohol	3.578	45	626193	9.378	ppbv #	97
20) Methylene Chloride	3.938	84	455411	9.205	ppbv	98
21) Allyl Chloride	4.002	41	645927	9.724	ppbv	97
22) trans-1,2-Dichloroethene	4.449	96	541658	10.397	ppbv	95
23) Vinyl Acetate	4.632	43	1153127	10.406	ppbv	99
24) 1,1-Dichloroethane	4.568	63	1109150	9.861	ppbv	99
25) Ethyl Acetate	5.208	43	2111095	9.533	ppbv	99
26) Hexane	5.218	57	926538	9.007	ppbv	96
27) Carbon Disulfide	4.128	76	1337181	11.050	ppbv	100
28) Methyl tert-Butyl Ether	4.591	73	785850	9.489	ppbv	99
29) Chloroform	5.282	83	1674767	9.815	ppbv	98
30) Cyclohexane	6.607	84	787008	9.194	ppbv	98
31) cis-1,2-Dichloroethene	5.083	61	970792	9.547	ppbv	96
32) 1,1,1-Trichloroethane	6.009	97	1709625	10.240	ppbv	99
34) 2-Butanone	4.790	43	1289070	10.445	ppbv	97
35) Carbon Tetrachloride	6.500	117	1766519	11.752	ppbv	99
36) Benzene	6.375	78	1961728	9.761	ppbv	97
37) 1,2-Dichloroethane	5.812	62	1298889	10.986	ppbv	97
38) Trichloroethene	7.298	130	805186	10.592	ppbv	94
39) 1,2-Dichloropropane	7.079	63	756480	9.778	ppbv	93
40) 1,4-Dioxane	7.295	88	248598	10.274	ppbv #	90
41) Tetrahydrofuran	5.562	42	712681	9.895	ppbv	98
42) Bromodichloromethane	7.256	83	1813501	11.029	ppbv	99
43) Methyl Methacrylate	7.481	69	816070	10.849	ppbv	97
44) 2,2,4-Trimethylpentane	7.333	57	3215565	9.945	ppbv	97
45) t-1,3-Dichloropropene	8.716	75	575198	11.920	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	693709	11.205	ppbv	94
47) 1,1,2-Trichloroethane	8.909	97	853988	10.005	ppbv	98
48) Dibromochloromethane	9.716	129	1514341	11.475	ppbv	100
49) Bromoform	12.413	173	1256076	12.005	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	1975509	11.017	ppbv	97
51) 2-Hexanone	9.555	43	1454343	11.469	ppbv #	97
52) Tetrachloroethene	10.623	164	689321	10.592	ppbv	95
53) Toluene	9.227	91	2283554	10.461	ppbv	99
54) 1,2-Dibromoethane	10.018	107	1177822	11.101	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.513	131	1120501	10.903	ppbv	97
57) Chlorobenzene	11.532	112	1841467	10.290	ppbv	97
58) Ethyl Benzene	12.098	91	3228029	11.210	ppbv	97
59) m/p-Xylene	12.381	91	5709093m	22.213	ppbv	
60) o-Xylene	13.066	91	2781017	11.358	ppbv	98
61) Styrene	12.905	104	1357747	12.022	ppbv	98
62) Isopropylbenzene	14.037	105	4044875	11.022	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.053	83	1972778	11.505	ppbv	100
64) n-propylbenzene	14.921	120	1067373	11.242	ppbv	96
65) tert-Butylbenzene	16.098	119	3664392	11.279	ppbv	96
66) Benzyl Chloride	16.333	91	278437	12.115	ppbv	97
67) sec-Butylbenzene	16.642	105	5311181	11.126	ppbv	98
69) p-Isopropyltoluene	17.002	119	4404047	11.164	ppbv	98
70) n-Butylbenzene	17.892	91	5022528	11.417	ppbv	98
71) 2-Chlorotoluene	14.806	91	3227169	11.411	ppbv	98
72) 4-Ethyltoluene	15.201	105	3336113	11.624	ppbv	98
73) 1,3,5-Trimethylbenzene	15.359	105	2910780	11.506	ppbv	97
74) 1,2,4-Trimethylbenzene	16.114	105	3355508	11.376	ppbv	96
75) 1,3-Dichlorobenzene	16.339	146	1945281	10.878	ppbv	99
76) 1,4-Dichlorobenzene	16.481	146	1909387	10.889	ppbv	98
77) 1,2-Dichlorobenzene	17.150	146	1877311	10.978	ppbv	99
78) Hexachloro-1,3-Butadiene	22.641	225	1610043	10.026	ppbv	100
79) Naphthalene	21.391	128	3330659	13.346	ppbv	99
80) Naphthalene,2-methyl-	24.378	142	1335205	12.975	ppbv	97
81) 1,2,4-Trichlorobenzene	21.143	180	1978714	11.505	ppbv	99

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

