

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073123\
 Data File : VL040571.D
 Acq On : 31 Jul 2023 14:00
 Operator : SY/MD
 Sample : VL0731ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/01/2023
 Supervised By : Mahesh Dadoda 08/01/2023

Quant Time: Aug 01 01:38:24 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 2023

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	5.182	49	1148874	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.648	114	2814266	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.468	117	2615016	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 2105539 10.174 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	1945667	8.467	ppbv	99
3) Chlorodifluoromethane	2.658	51	1777908	9.763	ppbv	96
4) Chloromethane	2.796	50	692925	9.605	ppbv	93
5) Vinyl Chloride	2.906	62	771436	10.184	ppbv	98
6) Bromomethane	3.105	94	327895	10.256	ppbv	97
7) Chloroethane	3.182	64	273174	10.279	ppbv	99
8) Dichlorotetrafluoroethane	2.841	85	1932585	10.222	ppbv	100
9) Propene	2.677	41	558502	8.959	ppbv	99
10) Heptane	7.578	43	1393745	10.125	ppbv	100
11) Trichlorofluoromethane	3.549	101	2067470	11.150	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.054	101	1463484	11.207	ppbv	94
13) Ethanol	3.224	45	142020	10.470	ppbv	98
14) Bromoethene	3.353	108	622334	11.083	ppbv	98
15) Acetone	3.452	43	1312941	9.928	ppbv	98
16) 1,3-Butadiene	2.970	39	697930	10.461	ppbv	98
17) tert-Butyl alcohol	3.864	59	1599632	11.695	ppbv	99
18) 1,1-Dichloroethene	3.867	96	672013	11.193	ppbv	99
19) Isopropyl Alcohol	3.558	45	908515	11.967	ppbv #	96
20) Methylene Chloride	3.922	84	594014	10.560	ppbv	97
21) Allyl Chloride	3.983	41	792597	10.495	ppbv	96
22) trans-1,2-Dichloroethene	4.433	96	669770	11.307	ppbv	94
23) Vinyl Acetate	4.616	43	1378483	10.941	ppbv	99
24) 1,1-Dichloroethane	4.552	63	1362764	10.657	ppbv	99
25) Ethyl Acetate	5.195	43	2536873	10.076	ppbv	99
26) Hexane	5.205	57	1135185	9.706	ppbv	97
27) Carbon Disulfide	4.111	76	1660176	12.067	ppbv	99
28) Methyl tert-Butyl Ether	4.574	73	961647	10.213	ppbv	100
29) Chloroform	5.266	83	1955791	10.081	ppbv	98
30) Cyclohexane	6.597	84	950596	9.767	ppbv	96
31) cis-1,2-Dichloroethene	5.070	61	1172982	10.146	ppbv	95
32) 1,1,1-Trichloroethane	5.996	97	2012665	10.603	ppbv	99
34) 2-Butanone	4.777	43	1518844	10.922	ppbv	98
35) Carbon Tetrachloride	6.488	117	2044247	12.070	ppbv	97
36) Benzene	6.362	78	2349176	10.374	ppbv	98
37) 1,2-Dichloroethane	5.800	62	1495449	11.226	ppbv	97
38) Trichloroethene	7.285	130	950574	11.098	ppbv	96
39) 1,2-Dichloropropane	7.066	63	916009	10.508	ppbv	95
40) 1,4-Dioxane	7.282	88	336172	12.330	ppbv #	33
41) Tetrahydrofuran	5.545	42	861861	10.621	ppbv	98
42) Bromodichloromethane	7.246	83	2162844	11.674	ppbv	99
43) Methyl Methacrylate	7.471	69	961478	11.344	ppbv	97
44) 2,2,4-Trimethylpentane	7.320	57	3887999	10.672	ppbv	97
45) t-1,3-Dichloropropene	8.706	75	633434	11.650	ppbv	98

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

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	768184	11.012	ppbv	94
47) 1,1,2-Trichloroethane	8.896	97	1003828	10.437	ppbv	98
48) Dibromochloromethane	9.709	129	1734861	11.667	ppbv	99
49) Bromoform	12.410	173	1404985	11.918	ppbv	100
50) 4-Methyl-2-Pentanone	8.176	43	2291483	11.341	ppbv	97
51) 2-Hexanone	9.549	43	1628160	11.395	ppbv #	97
52) Tetrachloroethene	10.613	164	813783m	11.097	ppbv	
53) Toluene	9.217	91	2659930	10.814	ppbv	99
54) 1,2-Dibromoethane	10.005	107	1307661	10.939	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.507	131	1295219	11.060	ppbv	98
57) Chlorobenzene	11.526	112	2089940	10.248	ppbv	95
58) Ethyl Benzene	12.089	91	3680820	11.216	ppbv	98
59) m/p-Xylene	12.375	91	6510115m	22.226	ppbv	
60) o-Xylene	13.056	91	3125668	11.202	ppbv	99
61) Styrene	12.899	104	1535018	11.926	ppbv	97
62) Isopropylbenzene	14.031	105	4521204	10.811	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.047	83	2197949	11.248	ppbv	100
64) n-propylbenzene	14.918	120	1174426	10.854	ppbv	94
65) tert-Butylbenzene	16.095	119	3985138	10.764	ppbv	96
66) Benzyl Chloride	16.330	91	346644	13.235	ppbv	96
67) sec-Butylbenzene	16.638	105	5788639	10.641	ppbv	99
69) p-Isopropyltoluene	16.998	119	4703127	10.462	ppbv	98
70) n-Butylbenzene	17.889	91	5254176	10.481	ppbv	99
71) 2-Chlorotoluene	14.799	91	3583105	11.117	ppbv	98
72) 4-Ethyltoluene	15.195	105	3656515	11.179	ppbv	98
73) 1,3,5-Trimethylbenzene	15.352	105	3171378	11.000	ppbv	97
74) 1,2,4-Trimethylbenzene	16.111	105	3613903	10.751	ppbv	93
75) 1,3-Dichlorobenzene	16.333	146	2086051	10.236	ppbv	99
76) 1,4-Dichlorobenzene	16.478	146	2017143	10.094	ppbv	98
77) 1,2-Dichlorobenzene	17.143	146	1978268	10.152	ppbv	99
78) Hexachloro-1,3-Butadiene	22.632	225	1442424m	7.882	ppbv	
79) Naphthalene	21.384	128	3008964	10.580	ppbv	97
80) Naphthalene,2-methyl-	24.374	142	986699	8.414	ppbv	96
81) 1,2,4-Trichlorobenzene	21.143	180	1744758	8.902	ppbv	99

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

