

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
 Data File : VL038626.D
 Acq On : 17 Mar 2022 14:15
 Operator : SY/AP
 Sample : VL0317ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/19/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 18 03:31:51 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	882547	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.179	114	2342832	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.089	117	2160706m	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.413 95 1637395 9.967 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.054	85	1154493	8.661	ppbv	99
3) Chlorodifluoromethane	2.996	51	1464323	9.410	ppbv	100
4) Chloromethane	3.147	50	578055	10.021	ppbv	100
5) Vinyl Chloride	3.263	62	573072	9.897	ppbv	98
6) Bromomethane	3.478	94	322610	10.380	ppbv	97
7) Chloroethane	3.562	64	193931	10.344	ppbv	99
8) Dichlorotetrafluoroethane	3.195	85	1331786	10.306	ppbv	98
9) Propene	3.015	41	517133	9.418	ppbv	100
10) Heptane	8.124	43	1348443	10.265	ppbv	98
11) Trichlorofluoromethane	3.954	101	1174736	10.051	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.491	101	891505	9.811	ppbv	100
13) Ethanol	3.610	45	50072	7.938	ppbv	96
14) Bromoethene	3.745	108	402552	10.397	ppbv	98
15) Acetone	3.851	43	724050	11.631	ppbv	99
16) 1,3-Butadiene	3.333	39	519502	10.385	ppbv	98
17) tert-Butyl alcohol	4.285	59	685138	10.130	ppbv	100
18) 1,1-Dichloroethene	4.295	96	403775	9.929	ppbv	98
19) Isopropyl Alcohol	3.967	45	425641	10.240	ppbv #	97
20) Methylene Chloride	4.346	84	330078	8.811	ppbv	98
21) Allyl Chloride	4.417	41	580267	9.671	ppbv	99
22) trans-1,2-Dichloroethene	4.890	96	433511	10.169	ppbv	96
23) Vinyl Acetate	5.073	43	953750	10.688	ppbv	99
24) 1,1-Dichloroethane	5.015	63	799000	9.845	ppbv	99
25) Ethyl Acetate	5.681	43	2118725	10.106	ppbv	100
26) Hexane	5.690	57	994299	10.099	ppbv	98
27) Carbon Disulfide	4.552	76	1007215	10.272	ppbv	99
28) Methyl tert-Butyl Ether	5.038	73	786892	9.820	ppbv	99
29) Chloroform	5.755	83	1547592	10.101	ppbv	96
30) Cyclohexane	7.134	84	865844	10.169	ppbv	96
31) cis-1,2-Dichloroethene	5.552	61	949873	10.086	ppbv	98
32) 1,1,1-Trichloroethane	6.513	97	1470729	9.898	ppbv	100
34) 2-Butanone	5.247	43	783327	12.899	ppbv	100
35) Carbon Tetrachloride	7.021	117	1560976	9.768	ppbv	96
36) Benzene	6.893	78	2109772	9.979	ppbv	99
37) 1,2-Dichloroethane	6.308	62	1031505	10.210	ppbv	100
38) Trichloroethene	7.838	130	796978	9.437	ppbv	96
39) 1,2-Dichloropropane	7.613	63	812444	9.992	ppbv	99
40) 1,4-Dioxane	7.835	88	204120	10.031	ppbv	99
41) Tetrahydrofuran	6.050	42	498529	10.035	ppbv	99
42) Bromodichloromethane	7.793	83	1645108	10.269	ppbv	99
43) Methyl Methacrylate	8.015	69	761416	10.492	ppbv	97
44) 2,2,4-Trimethylpentane	7.870	57	3496395	9.781	ppbv	99
45) t-1,3-Dichloropropene	9.282	75	622510	11.903	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.706	75	819623	11.461	ppbv	98
47) 1,1,2-Trichloroethane	9.475	97	868505	10.481	ppbv	98
48) Dibromochloromethane	10.304	129	1463066	11.120	ppbv	100
49) Bromoform	13.040	173	1208404	11.991	ppbv	98
50) 4-Methyl-2-Pentanone	8.745	43	1278056	10.267	ppbv	99
51) 2-Hexanone	10.134	43	550374	10.462	ppbv #	100
52) Tetrachloroethene	11.224	164	758651	9.790	ppbv	98
53) Toluene	9.806	91	2410292	10.680	ppbv	99
54) 1,2-Dibromoethane	10.613	107	1255641	10.604	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.127	131	957895	10.884	ppbv	99
57) Chlorobenzene	12.150	112	1757730	10.655	ppbv	99
58) Ethyl Benzene	12.709	91	3103966	11.095	ppbv	100
59) m/p-Xylene	12.995	91	5171418m	21.592	ppbv	
60) o-Xylene	13.693	91	2469279	10.919	ppbv	99
61) Styrene	13.526	104	1324765	11.887	ppbv	99
62) Isopropylbenzene	14.667	105	3431459	10.996	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.677	83	1874239	9.809	ppbv	99
64) n-propylbenzene	15.561	120	921118	11.582	ppbv	99
65) tert-Butylbenzene	16.744	119	3006884	10.775	ppbv	99
66) Benzyl Chloride	16.986	91	211612	12.798	ppbv	98
67) sec-Butylbenzene	17.291	105	4270629	10.767	ppbv	100
69) p-Isopropyltoluene	17.651	119	3524423	10.727	ppbv	99
70) n-Butylbenzene	18.548	91	3628908	10.370	ppbv	100
71) 2-Chlorotoluene	15.452	91	2525915	10.902	ppbv	98
72) 4-Ethyltoluene	15.838	105	3029808	11.663	ppbv	99
73) 1,3,5-Trimethylbenzene	15.995	105	2624884	10.885	ppbv	99
74) 1,2,4-Trimethylbenzene	16.761	105	2720531	10.560	ppbv #	91
75) 1,3-Dichlorobenzene	16.995	146	1748904	10.760	ppbv	99
76) 1,4-Dichlorobenzene	17.137	146	1704401	10.586	ppbv	100
77) 1,2-Dichlorobenzene	17.812	146	1684439	10.244	ppbv	99
78) Hexachloro-1,3-Butadiene	23.371	225	1337650	8.340	ppbv	100
79) Naphthalene	22.191	128	2546405	10.988	ppbv	99
80) Naphthalene,2-methyl-	24.969	142	637346	15.581	ppbv	99
81) 1,2,4-Trichlorobenzene	21.921	180	1438974	9.717	ppbv	100

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

