

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL083122\
 Data File : VL039605.D
 Acq On : 31 Aug 2022 12:25
 Operator : SY/AP
 Sample : VL0831ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0831ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/01/2022
 Supervised By : Mahesh Dadoda 09/02/2022

Quant Time: Aug 31 23:44:21 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M

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

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.217	49	1011546	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.674	114	2667057	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.487	117	2571344m	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 1845385 9.513 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.758	85	946826	7.034	ppbv	100
3) Chlorodifluoromethane	2.703	51	1181369	9.802	ppbv	97
4) Chloromethane	2.841	50	731403	10.076	ppbv	96
5) Vinyl Chloride	2.947	62	631057	10.771	ppbv	96
6) Bromomethane	3.147	94	250395	10.077	ppbv	99
7) Chloroethane	3.224	64	235244	10.717	ppbv	98
8) Dichlorotetrafluoroethane	2.886	85	1368355	9.502	ppbv	95
9) Propene	2.722	41	532484	9.656	ppbv	98
10) Heptane	7.600	43	1390435	10.888	ppbv	100
11) Trichlorofluoromethane	3.590	101	1484748	10.050	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.092	101	1097334	10.042	ppbv	99
13) Ethanol	3.272	45	43908m	11.079	ppbv	
14) Bromoethene	3.394	108	476705	10.677	ppbv	98
15) Acetone	3.494	43	1127077	9.947	ppbv	99
16) 1,3-Butadiene	3.012	39	607356	10.272	ppbv	100
17) tert-Butyl alcohol	3.902	59	1025492	10.604	ppbv	99
18) 1,1-Dichloroethene	3.909	96	509331	10.349	ppbv	96
19) Isopropyl Alcohol	3.600	45	613262	11.126	ppbv	99
20) Methylene Chloride	3.960	84	423223	9.194	ppbv	97
21) Allyl Chloride	4.024	41	784325	10.641	ppbv	99
22) trans-1,2-Dichloroethene	4.468	96	496369	10.140	ppbv	96
23) Vinyl Acetate	4.651	43	566604	10.516	ppbv #	98
24) 1,1-Dichloroethane	4.590	63	1034286	10.371	ppbv	98
25) Ethyl Acetate	5.227	43	2471427	10.194	ppbv	99
26) Hexane	5.237	57	1033896	10.448	ppbv	97
27) Carbon Disulfide	4.150	76	1227482	11.612	ppbv	99
28) Methyl tert-Butyl Ether	4.613	73	844635	9.894	ppbv	99
29) Chloroform	5.298	83	1573415	10.167	ppbv	93
30) Cyclohexane	6.626	84	875153	10.680	ppbv	97
31) cis-1,2-Dichloroethene	5.102	61	1002615	10.460	ppbv	98
32) 1,1,1-Trichloroethane	6.028	97	1505042	11.054	ppbv	98
34) 2-Butanone	4.812	43	1439311	10.855	ppbv	97
35) Carbon Tetrachloride	6.516	117	1622011	11.251	ppbv	100
36) Benzene	6.391	78	2168681	10.667	ppbv	97
37) 1,2-Dichloroethane	5.828	62	1173501	10.479	ppbv	99
38) Trichloroethene	7.314	130	1195965	10.979	ppbv	97
39) 1,2-Dichloropropane	7.095	63	812379	10.628	ppbv	96
40) 1,4-Dioxane	7.307	88	335989	11.227	ppbv	98
41) Tetrahydrofuran	5.581	42	882133	11.137	ppbv	97
42) Bromodichloromethane	7.269	83	1689618	11.026	ppbv	97
43) Methyl Methacrylate	7.497	69	865158	11.801	ppbv	99
44) 2,2,4-Trimethylpentane	7.346	57	3628862	10.588	ppbv	99
45) t-1,3-Dichloropropene	8.728	75	815107m	12.767	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.162	75	1119811	12.663	ppbv	99
47) 1,1,2-Trichloroethane	8.918	97	914714	10.479	ppbv	98
48) Dibromochloromethane	9.728	129	1519518	11.809	ppbv	99
49) Bromoform	12.423	173	1314923	12.337	ppbv	98
50) 4-Methyl-2-Pentanone	8.201	43	2276226	11.019	ppbv	100
51) 2-Hexanone	9.571	43	1799874	11.839	ppbv #	99
52) Tetrachloroethene	10.635	164	840453	10.927	ppbv	97
53) Toluene	9.240	91	2574238	11.314	ppbv	100
54) 1,2-Dibromoethane	10.027	107	1103041	11.297	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.529	131	1105746	10.583	ppbv	98
57) Chlorobenzene	11.545	112	1983657	10.341	ppbv	99
58) Ethyl Benzene	12.108	91	3408883	11.539	ppbv	99
59) m/p-Xylene	12.391	91	5763417m	21.745	ppbv	
60) o-Xylene	13.079	91	2755130	10.830	ppbv	99
61) Styrene	12.918	104	1698884	12.538	ppbv	99
62) Isopropylbenzene	14.050	105	4090231	10.632	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.063	83	1159401	9.623	ppbv	99
64) n-propylbenzene	14.937	120	1069257	10.694	ppbv	97
65) tert-Butylbenzene	16.108	119	3669290	10.730	ppbv	99
66) Benzyl Chloride	16.345	91	358096	12.891	ppbv	99
67) sec-Butylbenzene	16.654	105	5097231	10.523	ppbv	99
69) p-Isopropyltoluene	17.014	119	4277158	10.638	ppbv	99
70) n-Butylbenzene	17.902	91	4312009	10.779	ppbv	99
71) 2-Chlorotoluene	14.818	91	3003978	10.781	ppbv	100
72) 4-Ethyltoluene	15.210	105	3362775	11.304	ppbv	99
73) 1,3,5-Trimethylbenzene	15.371	105	2972975	10.936	ppbv	97
74) 1,2,4-Trimethylbenzene	16.124	105	3200898	10.567	ppbv	95
75) 1,3-Dichlorobenzene	16.349	146	1959915	10.642	ppbv	100
76) 1,4-Dichlorobenzene	16.490	146	1915342	10.439	ppbv	98
77) 1,2-Dichlorobenzene	17.162	146	1896718	10.518	ppbv	99
78) Hexachloro-1,3-Butadiene	22.651	225	1387967	9.664	ppbv	99
79) Naphthalene	21.400	128	2797455	12.968	ppbv	99
80) Naphthalene,2-methyl-	24.393	142	1288903	14.722	ppbv	99
81) 1,2,4-Trichlorobenzene	21.156	180	1573172m	10.921	ppbv	

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

