

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090721\
 Data File : VL037543.D
 Acq On : 7 Sep 2021 10:07
 Operator : SY/AP
 Sample : VL0907ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0907ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:48:29 AM

Quant Time: Sep 08 11:10:01 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021

QLast Update : Tue Aug 17 02:13:47 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.665	49	1836242	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.173	114	5477647	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.079	117	4987342m	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.410 95 3711149 10.474 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.047	85	2452737	8.325	ppbv	98
3) Chlorodifluoromethane	2.986	51	3123762	8.884	ppbv	100
4) Chloromethane	3.141	50	1155703	9.198	ppbv	95
5) Vinyl Chloride	3.256	62	1174915	9.127	ppbv	99
6) Bromomethane	3.469	94	672367	9.535	ppbv	91
7) Chloroethane	3.555	64	418688	9.529	ppbv	91
8) Dichlorotetrafluoroethane	3.186	85	2709133	8.907	ppbv	100
9) Propene	3.009	41	1135141	9.023	ppbv	99
10) Heptane	8.118	43	2859149	9.873	ppbv	98
11) Trichlorofluoromethane	3.951	101	2485700	8.988	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.485	101	1824757	8.992	ppbv	99
13) Ethanol	3.610	45	136155m	11.122	ppbv	
14) Bromoethene	3.739	108	835043	9.064	ppbv	98
15) Acetone	3.848	43	1450099	7.760	ppbv	99
16) 1,3-Butadiene	3.324	39	1110147	9.261	ppbv	99
17) tert-Butyl alcohol	4.282	59	1559522	9.135	ppbv	99
18) 1,1-Dichloroethene	4.288	96	845769	9.175	ppbv	98
19) Isopropyl Alcohol	3.960	45	930695	8.693	ppbv #	94
20) Methylene Chloride	4.340	84	722671	7.724	ppbv	91
21) Allyl Chloride	4.411	41	1337874	8.814	ppbv	94
22) trans-1,2-Dichloroethene	4.883	96	867273	9.430	ppbv	96
23) Vinyl Acetate	5.070	43	2711307	9.843	ppbv	99
24) 1,1-Dichloroethane	5.009	63	1711540	8.567	ppbv	99
25) Ethyl Acetate	5.674	43	4490980	9.466	ppbv	99
26) Hexane	5.684	57	2112343	9.107	ppbv	99
27) Carbon Disulfide	4.546	76	2087140	10.097	ppbv	99
28) Methyl tert-Butyl Ether	5.031	73	1852688	8.316	ppbv	99
29) Chloroform	5.748	83	3026403	9.206	ppbv	99
30) Cyclohexane	7.128	84	1816444	9.399	ppbv	100
31) cis-1,2-Dichloroethene	5.546	61	2005437	9.553	ppbv	98
32) 1,1,1-Trichloroethane	6.510	97	2915505	9.027	ppbv	99
34) 2-Butanone	5.243	43	2007429	8.975	ppbv	97
35) Carbon Tetrachloride	7.015	117	3010815	9.301	ppbv	99
36) Benzene	6.890	78	4349354	9.445	ppbv	99
37) 1,2-Dichloroethane	6.304	62	2174785	9.535	ppbv	100
38) Trichloroethene	7.832	130	1736402	9.191	ppbv	96
39) 1,2-Dichloropropane	7.610	63	1657414	9.367	ppbv	97
40) 1,4-Dioxane	7.825	88	434056m	10.013	ppbv	
41) Tetrahydrofuran	6.044	42	1044366	9.692	ppbv	100
42) Bromodichloromethane	7.787	83	3202098	9.601	ppbv	96
43) Methyl Methacrylate	8.012	69	1590436	9.910	ppbv	100
44) 2,2,4-Trimethylpentane	7.867	57	7268822	9.379	ppbv	99
45) t-1,3-Dichloropropene	9.272	75	1402023	11.604	ppbv	99

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 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.700	75	1838353	10.908	ppbv	97
47) 1,1,2-Trichloroethane	9.472	97	1777889	9.299	ppbv	97
48) Dibromochloromethane	10.298	129	2770618	10.070	ppbv	100
49) Bromoform	13.037	173	2180923	10.056	ppbv	100
50) 4-Methyl-2-Pentanone	8.738	43	2906280	9.959	ppbv	99
51) 2-Hexanone	10.131	43	1351941	10.072	ppbv #	100
52) Tetrachloroethene	11.221	164	1597165	8.464	ppbv	97
53) Toluene	9.799	91	5098684	9.697	ppbv	99
54) 1,2-Dibromoethane	10.607	107	2545686	9.538	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.121	131	1907685	9.180	ppbv #	57
57) Chlorobenzene	12.140	112	3625760	8.760	ppbv	97
58) Ethyl Benzene	12.706	91	6382405	9.222	ppbv	99
59) m/p-Xylene	12.989	91	10630928m	17.718	ppbv	
60) o-Xylene	13.690	91	5053739	9.024	ppbv	100
61) Styrene	13.520	104	2803806	9.638	ppbv	99
62) Isopropylbenzene	14.661	105	6912571	8.746	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.671	83	3585423	8.614	ppbv	98
64) n-propylbenzene	15.555	120	1868421	9.289	ppbv	94
65) tert-Butylbenzene	16.738	119	6088157	8.458	ppbv	99
66) Benzyl Chloride	16.979	91	421612	12.948	ppbv	96
67) sec-Butylbenzene	17.288	105	8367079	8.319	ppbv	99
69) p-Isopropyltoluene	17.645	119	6979173	8.515	ppbv	100
70) n-Butylbenzene	18.539	91	6807590	8.691	ppbv	100
71) 2-Chlorotoluene	15.446	91	5119852	8.834	ppbv	100
72) 4-Ethyltoluene	15.835	105	6006935	9.018	ppbv	100
73) 1,3,5-Trimethylbenzene	15.992	105	5371540	8.663	ppbv	98
74) 1,2,4-Trimethylbenzene	16.757	105	5516969	8.373	ppbv #	91
75) 1,3-Dichlorobenzene	16.986	146	3371279	8.501	ppbv	99
76) 1,4-Dichlorobenzene	17.130	146	3245569	8.124	ppbv	97
77) 1,2-Dichlorobenzene	17.809	146	3211666	8.224	ppbv	100
78) Hexachloro-1,3-Butadiene	23.365	225	2793120	8.602	ppbv	99
79) Naphthalene	22.185	128	5097018	11.560	ppbv	96
80) Naphthalene,2-methyl-	24.960	142	1658965	13.505	ppbv	93
81) 1,2,4-Trichlorobenzene	21.915	180	2857838	10.329	ppbv	98

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

