

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090721\
 Data File : VL037541.D
 Acq On : 7 Sep 2021 8:26
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:48:27 AM

Quant Time: Sep 08 11:09:40 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	5.668	49	1847872	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.176	114	5547285	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.082	117	5112239m	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.410 95 3884105 10.694 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.051	85	3521073	11.876	ppbv	99
3) Chlorodifluoromethane	2.989	51	3188693	9.012	ppbv	100
4) Chloromethane	3.141	50	1199313	9.485	ppbv	95
5) Vinyl Chloride	3.260	62	1205400	9.305	ppbv	94
6) Bromomethane	3.478	94	667625	9.408	ppbv	97
7) Chloroethane	3.559	64	401839	9.088	ppbv #	87
8) Dichlorotetrafluoroethane	3.189	85	2716771	8.876	ppbv	98
9) Propene	3.012	41	1179601	9.317	ppbv	100
10) Heptane	8.121	43	2917414	10.011	ppbv	99
11) Trichlorofluoromethane	3.954	101	2520315	9.056	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.485	101	1865608	9.135	ppbv	98
13) Ethanol	3.607	45	130387m	10.584	ppbv	
14) Bromoethene	3.742	108	857477	9.248	ppbv	98
15) Acetone	3.851	43	1510941	8.034	ppbv	98
16) 1,3-Butadiene	3.330	39	1157779	9.597	ppbv	98
17) tert-Butyl alcohol	4.285	59	1600327	9.315	ppbv	99
18) 1,1-Dichloroethene	4.292	96	858881	9.258	ppbv	96
19) Isopropyl Alcohol	3.967	45	940656	8.731	ppbv #	96
20) Methylene Chloride	4.343	84	726874	7.720	ppbv	94
21) Allyl Chloride	4.414	41	1385123	9.068	ppbv	97
22) trans-1,2-Dichloroethene	4.883	96	887591	9.590	ppbv	93
23) Vinyl Acetate	5.073	43	2767810	9.985	ppbv	100
24) 1,1-Dichloroethane	5.012	63	1750383	8.706	ppbv	98
25) Ethyl Acetate	5.674	43	4417502	9.253	ppbv	99
26) Hexane	5.687	57	2155027	9.232	ppbv	99
27) Carbon Disulfide	4.549	76	2120893	10.195	ppbv	100
28) Methyl tert-Butyl Ether	5.031	73	1855646	8.277	ppbv	98
29) Chloroform	5.755	83	3056732	9.240	ppbv	96
30) Cyclohexane	7.131	84	1800674	9.258	ppbv	98
31) cis-1,2-Dichloroethene	5.546	61	2032747	9.622	ppbv	99
32) 1,1,1-Trichloroethane	6.510	97	2969111	9.135	ppbv	99
34) 2-Butanone	5.243	43	2050285	9.051	ppbv	96
35) Carbon Tetrachloride	7.018	117	3095678	9.443	ppbv	100
36) Benzene	6.893	78	4450178	9.543	ppbv	99
37) 1,2-Dichloroethane	6.308	62	2168738	9.389	ppbv	100
38) Trichloroethene	7.835	130	1774218	9.273	ppbv	95
39) 1,2-Dichloropropane	7.613	63	1714053	9.566	ppbv	98
40) 1,4-Dioxane	7.832	88	377659	8.603	ppbv #	100
41) Tetrahydrofuran	6.050	42	1085811	9.950	ppbv	99
42) Bromodichloromethane	7.790	83	3266715	9.672	ppbv	97
43) Methyl Methacrylate	8.012	69	1635302	10.061	ppbv	99
44) 2,2,4-Trimethylpentane	7.867	57	7359849	9.378	ppbv	100
45) t-1,3-Dichloropropene	9.275	75	1478740	12.086	ppbv	95

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 QLast Update : Tue Aug 17 02:13:47 2021
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.703	75	1913276	11.210	ppbv	97
47) 1,1,2-Trichloroethane	9.471	97	1874020	9.679	ppbv	96
48) Dibromochloromethane	10.304	129	2930099	10.516	ppbv	99
49) Bromoform	13.040	173	2480622	11.294	ppbv	97
50) 4-Methyl-2-Pentanone	8.738	43	3017622	10.211	ppbv	99
51) 2-Hexanone	10.134	43	1485538	10.929	ppbv #	98
52) Tetrachloroethene	11.221	164	1655072	8.661	ppbv	96
53) Toluene	9.806	91	5234713	9.831	ppbv	99
54) 1,2-Dibromoethane	10.606	107	2653806	9.818	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.121	131	2043151	9.591	ppbv	96
57) Chlorobenzene	12.147	112	3855086	9.087	ppbv	98
58) Ethyl Benzene	12.706	91	6704227	9.450	ppbv	99
59) m/p-Xylene	12.992	91	11200373m	18.211	ppbv	
60) o-Xylene	13.687	91	5313148	9.256	ppbv	99
61) Styrene	13.523	104	3120985	10.466	ppbv	98
62) Isopropylbenzene	14.661	105	7446203	9.191	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.671	83	3882369	9.100	ppbv	98
64) n-propylbenzene	15.558	120	2030816	9.850	ppbv	91
65) tert-Butylbenzene	16.741	119	6513430	8.828	ppbv	100
66) Benzyl Chloride	16.986	91	463004	13.872	ppbv	96
67) sec-Butylbenzene	17.291	105	9088287	8.815	ppbv	99
69) p-Isopropyltoluene	17.645	119	7713461	9.181	ppbv	100
70) n-Butylbenzene	18.545	91	7560504	9.417	ppbv	99
71) 2-Chlorotoluene	15.446	91	5599976	9.426	ppbv	99
72) 4-Ethyltoluene	15.835	105	6423894	9.408	ppbv	99
73) 1,3,5-Trimethylbenzene	15.989	105	5856404	9.215	ppbv	97
74) 1,2,4-Trimethylbenzene	16.757	105	6036575	8.938	ppbv	94
75) 1,3-Dichlorobenzene	16.989	146	3759772	9.249	ppbv	98
76) 1,4-Dichlorobenzene	17.130	146	3688514	9.007	ppbv	98
77) 1,2-Dichlorobenzene	17.812	146	3666284	9.159	ppbv	99
78) Hexachloro-1,3-Butadiene	23.368	225	2800190	8.413	ppbv	98
79) Naphthalene	22.185	128	4782749	10.582	ppbv	100
80) Naphthalene,2-methyl-	24.963	142	1392245	11.057	ppbv	94
81) 1,2,4-Trichlorobenzene	21.915	180	2866502	10.107	ppbv	97

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

