

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090321\
 Data File : VL037538.D
 Acq On : 4 Sep 2021 1:50
 Operator : SY/AP
 Sample : VL0903ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS02

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:47:26 AM

Quant Time: Sep 04 04:24:20 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	1780311	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.169	114	5217552	10.000	ppbv	0.01
55) Chlorobenzene-d5	12.079	117	4609763m	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.407 95 3617555 11.046 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 110.500%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	3.047	85	2644925	9.259	ppbv	98
3) Chlorodifluoromethane	2.989	51	3054964	8.961	ppbv	100
4) Chloromethane	3.141	50	1164568	9.559	ppbv	93
5) Vinyl Chloride	3.256	62	1155822	9.261	ppbv	100
6) Bromomethane	3.472	94	641664	9.385	ppbv	92
7) Chloroethane	3.555	64	393217	9.231	ppbv	97
8) Dichlorotetrafluoroethane	3.186	85	2631517	8.924	ppbv	99
9) Propene	3.009	41	1062394	8.710	ppbv	96
10) Heptane	8.118	43	2830414	10.081	ppbv	99
11) Trichlorofluoromethane	3.948	101	2397940	8.943	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.481	101	1819966	9.250	ppbv	97
13) Ethanol	3.610	45	121998m	10.278	ppbv	
14) Bromoethene	3.739	108	827340	9.262	ppbv	99
15) Acetone	3.848	43	1372138	7.573	ppbv	100
16) 1,3-Butadiene	3.327	39	1119131	9.629	ppbv	97
17) tert-Butyl alcohol	4.282	59	1487642	8.988	ppbv	98
18) 1,1-Dichloroethene	4.285	96	827326	9.256	ppbv	99
19) Isopropyl Alcohol	3.964	45	905823	8.727	ppbv #	96
20) Methylene Chloride	4.343	84	698757	7.703	ppbv	98
21) Allyl Chloride	4.411	41	1277248	8.679	ppbv	92
22) trans-1,2-Dichloroethene	4.883	96	816573	9.157	ppbv	94
23) Vinyl Acetate	5.070	43	2543358	9.523	ppbv	99
24) 1,1-Dichloroethane	5.009	63	1988347	10.265	ppbv	98
25) Ethyl Acetate	5.674	43	4317036	9.386	ppbv	100
26) Hexane	5.684	57	2061077	9.165	ppbv	98
27) Carbon Disulfide	4.549	76	1965865	9.809	ppbv	99
28) Methyl tert-Butyl Ether	5.031	73	2120099	9.816	ppbv	100
29) Chloroform	5.748	83	2977435	9.342	ppbv	99
30) Cyclohexane	7.124	84	1760604	9.396	ppbv	99
31) cis-1,2-Dichloroethene	5.546	61	1928319	9.474	ppbv	99
32) 1,1,1-Trichloroethane	6.507	97	2825748	9.024	ppbv	99
34) 2-Butanone	5.243	43	1873693	8.794	ppbv	95
35) Carbon Tetrachloride	7.018	117	2948133	9.561	ppbv	99
36) Benzene	6.886	78	4241440	9.670	ppbv	99
37) 1,2-Dichloroethane	6.304	62	2082795	9.587	ppbv	100
38) Trichloroethene	7.832	130	1692654	9.406	ppbv	96
39) 1,2-Dichloropropane	7.607	63	1600763	9.498	ppbv	93
40) 1,4-Dioxane	7.832	88	388398	9.407	ppbv #	100
41) Tetrahydrofuran	6.047	42	982442	9.572	ppbv	99
42) Bromodichloromethane	7.787	83	3082559	9.703	ppbv	98
43) Methyl Methacrylate	8.009	69	1545749	10.111	ppbv	100
44) 2,2,4-Trimethylpentane	7.867	57	7077834	9.588	ppbv	99
45) t-1,3-Dichloropropene	9.272	75	1330570	11.562	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.700	75	1730435	10.779	ppbv	99
47) 1,1,2-Trichloroethane	9.471	97	1755996	9.642	ppbv	98
48) Dibromochloromethane	10.301	129	2702793	10.313	ppbv	99
49) Bromoform	13.034	173	2200681	10.653	ppbv	98
50) 4-Methyl-2-Pentanone	8.735	43	2797614	10.065	ppbv	98
51) 2-Hexanone	10.127	43	1285375	10.054	ppbv #	99
52) Tetrachloroethene	11.217	164	1584459	8.816	ppbv	99
53) Toluene	9.803	91	4938381	9.861	ppbv	100
54) 1,2-Dibromoethane	10.603	107	2523687	9.927	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.118	131	1857988	9.673	ppbv	99
57) Chlorobenzene	12.143	112	3615805	9.452	ppbv	99
58) Ethyl Benzene	12.703	91	6229371	9.738	ppbv	98
59) m/p-Xylene	12.989	91	10636628m	19.180	ppbv	
60) o-Xylene	13.687	91	4981664	9.624	ppbv	100
61) Styrene	13.523	104	2877301	10.701	ppbv	97
62) Isopropylbenzene	14.661	105	6913897	9.464	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.667	83	3571289	9.283	ppbv	98
64) n-propylbenzene	15.555	120	1847369	9.937	ppbv	95
65) tert-Butylbenzene	16.738	119	6000074	9.018	ppbv	100
66) Benzyl Chloride	16.982	91	357751	11.887	ppbv	95
67) sec-Butylbenzene	17.288	105	8350757	8.983	ppbv	99
69) p-Isopropyltoluene	17.642	119	6947391	9.171	ppbv	99
70) n-Butylbenzene	18.542	91	6730470	9.297	ppbv	99
71) 2-Chlorotoluene	15.446	91	5095850	9.512	ppbv	99
72) 4-Ethyltoluene	15.831	105	6075124	9.867	ppbv	100
73) 1,3,5-Trimethylbenzene	15.989	105	5375719	9.380	ppbv	97
74) 1,2,4-Trimethylbenzene	16.754	105	5469001	8.980	ppbv	94
75) 1,3-Dichlorobenzene	16.986	146	3374505	9.206	ppbv	99
76) 1,4-Dichlorobenzene	17.127	146	3262905	8.836	ppbv	98
77) 1,2-Dichlorobenzene	17.809	146	3177112	8.802	ppbv	99
78) Hexachloro-1,3-Butadiene	23.365	225	2791302	9.301	ppbv	99
79) Naphthalene	22.185	128	5103920	12.524	ppbv	99
80) Naphthalene,2-methyl-	24.960	142	1713137	15.089	ppbv	96
81) 1,2,4-Trichlorobenzene	21.915	180	2848048m	11.137	ppbv	

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

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Abundance

TIC: VL037538.D\data.ms

Time-->

Chloromethane, T
Dichloromethane, T
Bromomethane, T
Ethanol, T
Acetone, T
Isopropanol, T
Methyl acetate, T
Carbon disulfide, T
Diethyl ether, T
n-Butanol, T
cis-1,2-Dichloroethane, T
Tetrahydrofuran, T
1,2-Dichloroethane, T
1,1,1-Trichloroethane, T
Benzene, T
Carbonyl chloride, T
1,4-Difluorobenzene, I
1,2-Dichloropropane, T
Heptachlorocyclopentadiene, T
Methyl methacrylate, T
cis-1,3-Dichloropropene, T
t-1,3-Dichloropropene, T
1,1,1,2-Tetrachloroethane, T
Toluene, T
2-Hexanone, T
1,2-Dibromoethane, T
Dibromochloromethane, T
Tetrachloroethene, T
Chloroform, T
Ethyl benzene, T
m,p-Xylene, T
Styrene, T
1,1,2,2-Tetrachloroethane, T
1-Bromo-4-fluorobenzene, S
Isopropylbenzene, T
2-Chlorotoluene, T
4-Ethyltoluene, T
1,3,5-Trimethylbenzene, T
sec-Butylbenzene, T
p-Isopropyltoluene, T
n-Butylbenzene, T
Naphthalene, T
Hexachloro-1,3-butadiene, T
Naphthalene, 2-methyl-, T