

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090321\
 Data File : VL037539.D
 Acq On : 4 Sep 2021 2:29
 Operator : SY/AP
 Sample : VSTDCCC010EC
 Misc : 400mL/MSVOA_L
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:47:28 AM

Quant Time: Sep 04 04:24:50 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	1835158	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.172	114	5287313	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.082	117	4785582m	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.407 95 3617458 10.640 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.047	85	2525776	8.578	ppbv	99
3) Chlorodifluoromethane	2.989	51	3155594	8.980	ppbv	99
4) Chloromethane	3.140	50	1186958	9.452	ppbv	97
5) Vinyl Chloride	3.256	62	1219019	9.475	ppbv	100
6) Bromomethane	3.475	94	660490	9.372	ppbv	96
7) Chloroethane	3.555	64	413247	9.411	ppbv	90
8) Dichlorotetrafluoroethane	3.186	85	2703970	8.895	ppbv	99
9) Propene	3.009	41	1198167	9.529	ppbv	98
10) Heptane	8.118	43	2884515	9.967	ppbv	97
11) Trichlorofluoromethane	3.948	101	2453330	8.876	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.481	101	1839038	9.067	ppbv	99
13) Ethanol	3.610	45	118757	9.706	ppbv	89
14) Bromoethene	3.735	108	861257	9.354	ppbv	99
15) Acetone	3.848	43	1407355	7.535	ppbv	99
16) 1,3-Butadiene	3.324	39	1171730	9.780	ppbv	99
17) tert-Butyl alcohol	4.285	59	1638625	9.604	ppbv	99
18) 1,1-Dichloroethene	4.288	96	852023	9.248	ppbv	97
19) Isopropyl Alcohol	3.957	45	995188	9.301	ppbv #	96
20) Methylene Chloride	4.343	84	721776	7.719	ppbv	97
21) Allyl Chloride	4.411	41	1384118	9.124	ppbv	95
22) trans-1,2-Dichloroethene	4.883	96	794621	8.645	ppbv	98
23) Vinyl Acetate	5.070	43	2908248	10.564	ppbv	99
24) 1,1-Dichloroethane	5.009	63	2043669	10.236	ppbv	99
25) Ethyl Acetate	5.674	43	4504991	9.502	ppbv	100
26) Hexane	5.684	57	2149157	9.271	ppbv	98
27) Carbon Disulfide	4.546	76	2030632	9.829	ppbv	98
28) Methyl tert-Butyl Ether	5.031	73	2240329	10.062	ppbv	99
29) Chloroform	5.748	83	2987840	9.095	ppbv	99
30) Cyclohexane	7.124	84	1802547	9.332	ppbv	98
31) cis-1,2-Dichloroethene	5.546	61	2016519	9.611	ppbv	99
32) 1,1,1-Trichloroethane	6.507	97	2882487	8.930	ppbv	99
34) 2-Butanone	5.240	43	2025315	9.380	ppbv	96
35) Carbon Tetrachloride	7.015	117	2973957	9.517	ppbv	98
36) Benzene	6.890	78	4383462	9.862	ppbv	99
37) 1,2-Dichloroethane	6.304	62	2073930	9.420	ppbv	99
38) Trichloroethene	7.832	130	1732320	9.499	ppbv	97
39) 1,2-Dichloropropane	7.607	63	1684046	9.860	ppbv	97
40) 1,4-Dioxane	7.828	88	399065m	9.537	ppbv	
41) Tetrahydrofuran	6.047	42	1104903	10.623	ppbv	97
42) Bromodichloromethane	7.787	83	3169913	9.846	ppbv	95
43) Methyl Methacrylate	8.008	69	1601519	10.338	ppbv	99
44) 2,2,4-Trimethylpentane	7.867	57	7240180	9.679	ppbv	99
45) t-1,3-Dichloropropene	9.272	75	1399205	11.998	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.700	75	1835111	11.281	ppbv	96
47) 1,1,2-Trichloroethane	9.468	97	1770773	9.595	ppbv	98
48) Dibromochloromethane	10.301	129	2716419	10.229	ppbv	100
49) Bromoform	13.034	173	2160469	10.320	ppbv	99
50) 4-Methyl-2-Pentanone	8.738	43	2899016	10.292	ppbv	99
51) 2-Hexanone	10.127	43	1371875	10.589	ppbv	98
52) Tetrachloroethene	11.217	164	1615259	8.868	ppbv	99
53) Toluene	9.803	91	5073651	9.997	ppbv	100
54) 1,2-Dibromoethane	10.606	107	2523970	9.797	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.118	131	1888027	9.468	ppbv #	56
57) Chlorobenzene	12.140	112	3657942	9.211	ppbv	99
58) Ethyl Benzene	12.703	91	6365251	9.585	ppbv	98
59) m/p-Xylene	12.989	91	10545824m	18.317	ppbv	
60) o-Xylene	13.687	91	4847550	9.021	ppbv	98
61) Styrene	13.523	104	2838368	10.168	ppbv	99
62) Isopropylbenzene	14.661	105	6881424	9.074	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.671	83	3566700	8.931	ppbv	99
64) n-propylbenzene	15.558	120	1846484	9.567	ppbv	96
65) tert-Butylbenzene	16.738	119	6014174	8.707	ppbv	99
66) Benzyl Chloride	16.979	91	385038	12.324	ppbv	96
67) sec-Butylbenzene	17.285	105	8343441	8.645	ppbv	100
69) p-Isopropyltoluene	17.645	119	6998660	8.899	ppbv	100
70) n-Butylbenzene	18.542	91	6817275	9.071	ppbv	100
71) 2-Chlorotoluene	15.442	91	5023380	9.033	ppbv	100
72) 4-Ethyltoluene	15.835	105	6127671	9.587	ppbv	99
73) 1,3,5-Trimethylbenzene	15.989	105	5370444	9.027	ppbv	97
74) 1,2,4-Trimethylbenzene	16.757	105	5428438	8.586	ppbv #	90
75) 1,3-Dichlorobenzene	16.989	146	3398708	8.931	ppbv	98
76) 1,4-Dichlorobenzene	17.130	146	3252720	8.485	ppbv	97
77) 1,2-Dichlorobenzene	17.805	146	3153299	8.415	ppbv	99
78) Hexachloro-1,3-Butadiene	23.365	225	2805127	9.003	ppbv	99
79) Naphthalene	22.182	128	5151098	12.175	ppbv	97
80) Naphthalene,2-methyl-	24.963	142	1787193	15.163	ppbv	98
81) 1,2,4-Trichlorobenzene	21.915	180	2872581	10.820	ppbv	98

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

