

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110221\
 Data File : VL037976.D
 Acq On : 2 Nov 2021 21:43
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/05/2021
 Supervised By : Mahesh Dadoda 11/09/2021

Quant Time: Nov 03 03:50:59 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 03 03:50:59 2021

QLast Update : Tue Nov 02 05:54:07 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.655	49	1375741	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	4097404	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.066	117	3696476m	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.394 95 2751146 10.239 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	1779298	9.179	ppbv	96
3) Chlorodifluoromethane	2.983	51	2454603	9.584	ppbv	100
4) Chloromethane	3.134	50	918667	9.438	ppbv	100
5) Vinyl Chloride	3.253	62	943328	10.056	ppbv	99
6) Bromomethane	3.472	94	481593	9.503	ppbv	97
7) Chloroethane	3.555	64	322158	9.514	ppbv	100
8) Dichlorotetrafluoroethane	3.185	85	2110978	9.455	ppbv	100
9) Propene	3.005	41	864042	9.410	ppbv	98
10) Heptane	8.108	43	2243199	10.500	ppbv	100
11) Trichlorofluoromethane	3.941	101	1898910	9.839	ppbv	100
12) 1,1,2-Trichlorotrifluoro...	4.475	101	1486514	9.880	ppbv	99
13) Ethanol	3.600	45	94590m	10.211	ppbv	
14) Bromoethene	3.732	108	651707	9.902	ppbv	99
15) Acetone	3.841	43	1091232	9.599	ppbv	98
16) 1,3-Butadiene	3.320	39	886995	9.902	ppbv	100
17) tert-Butyl alcohol	4.275	59	1259994	10.660	ppbv	99
18) 1,1-Dichloroethene	4.279	96	674508	9.741	ppbv	98
19) Isopropyl Alcohol	3.957	45	737598	10.146	ppbv #	96
20) Methylene Chloride	4.333	84	564595	9.047	ppbv	98
21) Allyl Chloride	4.401	41	1085748	10.351	ppbv	99
22) trans-1,2-Dichloroethene	4.873	96	693984	10.086	ppbv	96
23) Vinyl Acetate	5.060	43	1675887	9.791	ppbv	98
24) 1,1-Dichloroethane	4.999	63	1380751	9.764	ppbv	98
25) Ethyl Acetate	5.664	43	3501725	10.371	ppbv	99
26) Hexane	5.674	57	1641686	10.262	ppbv	99
27) Carbon Disulfide	4.539	76	1720426	10.893	ppbv	99
28) Methyl tert-Butyl Ether	5.025	73	1379586	10.257	ppbv	100
29) Chloroform	5.742	83	2263817	9.489	ppbv	96
30) Cyclohexane	7.111	84	1382015	10.106	ppbv	98
31) cis-1,2-Dichloroethene	5.536	61	1477368	10.122	ppbv	98
32) 1,1,1-Trichloroethane	6.497	97	2153734	9.184	ppbv	99
34) 2-Butanone	5.230	43	1473471	9.705	ppbv	99
35) Carbon Tetrachloride	7.002	117	2232123	9.011	ppbv	98
36) Benzene	6.877	78	3360396	10.071	ppbv	99
37) 1,2-Dichloroethane	6.291	62	1606913	10.130	ppbv	99
38) Trichloroethene	7.819	130	1317276	9.512	ppbv	93
39) 1,2-Dichloropropane	7.600	63	1260685	10.041	ppbv	98
40) 1,4-Dioxane	7.815	88	305339m	9.235	ppbv	
41) Tetrahydrofuran	6.037	42	809750	10.900	ppbv	97
42) Bromodichloromethane	7.774	83	2369200	9.878	ppbv	100
43) Methyl Methacrylate	7.995	69	1217242	11.114	ppbv	99
44) 2,2,4-Trimethylpentane	7.854	57	5682222	10.012	ppbv	100
45) t-1,3-Dichloropropene	9.259	75	945215	11.745	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.687	75	1257925	11.369	ppbv	97
47) 1,1,2-Trichloroethane	9.458	97	1325960	9.400	ppbv	99
48) Dibromochloromethane	10.285	129	2012803	10.078	ppbv	99
49) Bromoform	13.021	173	1530502	9.694	ppbv	99
50) 4-Methyl-2-Pentanone	8.725	43	2166627	10.861	ppbv	99
51) 2-Hexanone	10.118	43	970099	11.539	ppbv	99
52) Tetrachloroethene	11.204	164	1185549	9.366	ppbv	97
53) Toluene	9.790	91	3804877	10.636	ppbv	100
54) 1,2-Dibromoethane	10.593	107	1809498	9.946	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.105	131	1360657	9.117	ppbv #	59
57) Chlorobenzene	12.127	112	2706719	9.174	ppbv	97
58) Ethyl Benzene	12.690	91	4662310	10.314	ppbv	100
59) m/p-Xylene	12.976	91	7881674m	19.616	ppbv	
60) o-Xylene	13.674	91	3615880	9.545	ppbv	100
61) Styrene	13.507	104	1981082	11.387	ppbv	98
62) Isopropylbenzene	14.648	105	4995664	9.313	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.658	83	2496601	7.657	ppbv	97
64) n-propylbenzene	15.539	120	1322947	9.626	ppbv	97
65) tert-Butylbenzene	16.725	119	4262224	8.991	ppbv	100
66) Benzyl Chloride	16.969	91	234457m	9.465	ppbv	
67) sec-Butylbenzene	17.272	105	5947449	9.106	ppbv	100
69) p-Isopropyltoluene	17.629	119	4975973	9.499	ppbv	100
70) n-Butylbenzene	18.529	91	4966689	10.318	ppbv	100
71) 2-Chlorotoluene	15.432	91	3535237	9.407	ppbv	98
72) 4-Ethyltoluene	15.818	105	4140451	9.541	ppbv	99
73) 1,3,5-Trimethylbenzene	15.976	105	3744148	9.213	ppbv	99
74) 1,2,4-Trimethylbenzene	16.741	105	3944510	9.264	ppbv	95
75) 1,3-Dichlorobenzene	16.973	146	2466330	9.304	ppbv	100
76) 1,4-Dichlorobenzene	17.111	146	2385305	9.299	ppbv	100
77) 1,2-Dichlorobenzene	17.793	146	2385833	9.585	ppbv	99
78) Hexachloro-1,3-Butadiene	23.352	225	2081640	9.770	ppbv	98
79) Naphthalene	22.165	128	3838332	15.647	ppbv	98
80) Naphthalene,2-methyl-	24.950	142	839424	17.578	ppbv	98
81) 1,2,4-Trichlorobenzene	21.902	180	2130941	13.346	ppbv	99

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

