

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111822\
 Data File : VL039896.D
 Acq On : 18 Nov 2022 8:46
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/21/2022
 Supervised By : Mahesh Dadoda 11/21/2022

Quant Time: Nov 18 11:16:03 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 19 2022

QLast Update : Thu Nov 17 12:43:42 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1421788	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	4093546	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.465	117	3985955	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 3003597 10.067 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.709	85	1513559	6.306	ppbv	92
3) Chlorodifluoromethane	2.655	51	1852285	10.928	ppbv	100
4) Chloromethane	2.793	50	1244129	11.788	ppbv	99
5) Vinyl Chloride	2.899	62	1067230	12.490	ppbv	99
6) Bromomethane	3.099	94	339961	11.154	ppbv	95
7) Chloroethane	3.179	64	382385	11.942	ppbv	95
8) Dichlorotetrafluoroethane	2.838	85	2181412	10.663	ppbv	94
9) Propene	2.674	41	914153	10.351	ppbv	99
10) Heptane	7.568	43	2196261	10.381	ppbv	99
11) Trichlorofluoromethane	3.542	101	2388499	12.201	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.050	101	1815679	12.842	ppbv	96
13) Ethanol	3.221	45	62494m	10.013	ppbv	
14) Bromoethene	3.346	108	754024	11.910	ppbv	99
15) Acetone	3.449	43	1799082	10.396	ppbv	98
16) 1,3-Butadiene	2.967	39	998256	12.403	ppbv	100
17) tert-Butyl alcohol	3.861	59	2234632	13.559	ppbv	99
18) 1,1-Dichloroethene	3.861	96	844527	13.027	ppbv	99
19) Isopropyl Alcohol	3.555	45	1068940	12.479	ppbv	94
20) Methylene Chloride	3.912	84	715295	11.553	ppbv	96
21) Allyl Chloride	3.980	41	1349655	12.330	ppbv	97
22) trans-1,2-Dichloroethene	4.430	96	874578	13.292	ppbv	98
23) Vinyl Acetate	4.607	43	788294	11.434	ppbv	98
24) 1,1-Dichloroethane	4.549	63	1834587	13.027	ppbv	100
25) Ethyl Acetate	5.188	43	3444184	9.662	ppbv	98
26) Hexane	5.198	57	1466610	9.227	ppbv	97
27) Carbon Disulfide	4.108	76	2174259	13.027	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	1872818	13.018	ppbv	98
29) Chloroform	5.259	83	2122106	9.495	ppbv	99
30) Cyclohexane	6.590	84	1435216	10.798	ppbv	98
31) cis-1,2-Dichloroethene	5.063	61	1453834	10.031	ppbv	98
32) 1,1,1-Trichloroethane	5.989	97	2503369	11.252	ppbv	99
34) 2-Butanone	4.767	43	2101018	12.441	ppbv	100
35) Carbon Tetrachloride	6.478	117	2549624	10.685	ppbv	97
36) Benzene	6.356	78	3536918	10.243	ppbv	97
37) 1,2-Dichloroethane	5.790	62	1935107	11.680	ppbv	100
38) Trichloroethene	7.282	130	1937142	10.481	ppbv	97
39) 1,2-Dichloropropane	7.063	63	1394274	10.363	ppbv	97
40) 1,4-Dioxane	7.278	88	541189	10.505	ppbv	89
41) Tetrahydrofuran	5.542	42	1466748	10.392	ppbv	100
42) Bromodichloromethane	7.240	83	2817604	10.648	ppbv	98
43) Methyl Methacrylate	7.465	69	1472562	10.790	ppbv	99
44) 2,2,4-Trimethylpentane	7.317	57	5804618	9.959	ppbv	99
45) t-1,3-Dichloropropene	8.703	75	1528925	11.696	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.130	75	1952866	10.945	ppbv	99
47) 1,1,2-Trichloroethane	8.889	97	1406355	10.323	ppbv	99
48) Dibromochloromethane	9.703	129	2359863	10.166	ppbv	100
49) Bromoform	12.407	173	2043433	10.952	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	3699728	10.701	ppbv	99
51) 2-Hexanone	9.542	43	2947397	10.933	ppbv	99
52) Tetrachloroethene	10.613	164	1279940	9.894	ppbv	95
53) Toluene	9.214	91	4023410	10.157	ppbv	98
54) 1,2-Dibromoethane	10.005	107	1613276	10.670	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.507	131	1679215	9.854	ppbv	100
57) Chlorobenzene	11.523	112	2994034	9.903	ppbv	99
58) Ethyl Benzene	12.089	91	5304805	9.843	ppbv	94
59) m/p-Xylene	12.371	91	8788729m	19.536	ppbv	
60) o-Xylene	13.060	91	4212870	9.884	ppbv	99
61) Styrene	12.896	104	2687471	10.247	ppbv	99
62) Isopropylbenzene	14.031	105	5989720	9.634	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.050	83	1445728	9.108	ppbv	99
64) n-propylbenzene	14.921	120	1625599	9.774	ppbv	86
65) tert-Butylbenzene	16.098	119	5209208	9.542	ppbv	98
66) Benzyl Chloride	16.336	91	611837	9.639	ppbv	99
67) sec-Butylbenzene	16.641	105	7148944	9.620	ppbv	97
69) p-Isopropyltoluene	17.005	119	5936736	9.632	ppbv	98
70) n-Butylbenzene	17.895	91	5931407	9.954	ppbv	97
71) 2-Chlorotoluene	14.805	91	4594937	9.836	ppbv	96
72) 4-Ethyltoluene	15.198	105	4919065	10.249	ppbv	98
73) 1,3,5-Trimethylbenzene	15.355	105	4346471	10.216	ppbv	93
74) 1,2,4-Trimethylbenzene	16.117	105	4590439	10.155	ppbv	97
75) 1,3-Dichlorobenzene	16.339	146	2686591	10.179	ppbv	98
76) 1,4-Dichlorobenzene	16.481	146	2665949	10.293	ppbv	98
77) 1,2-Dichlorobenzene	17.149	146	2535173	10.189	ppbv	98
78) Hexachloro-1,3-Butadiene	22.651	225	1603424	8.698	ppbv	99
79) Naphthalene	21.397	128	3056522	9.300	ppbv	98
80) Naphthalene,2-methyl-	24.390	142	808010	5.799	ppbv	94
81) 1,2,4-Trichlorobenzene	21.159	180	1738250	9.455	ppbv	99

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

