

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040522\
 Data File : VL038832.D
 Acq On : 6 Apr 2022 13:44
 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 04/07/2022
 Supervised By : Mahesh Dadoda 04/07/2022

Quant Time: Apr 07 03:13:17 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 6 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.677	49	1282858	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.185	114	3548102	10.000	ppbv	0.01
55) Chlorobenzene-d5	12.092	117	3441435m	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.420 95 2480869 9.504 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	1892319	10.400	ppbv	99
3) Chlorodifluoromethane	2.999	51	1537833	9.822	ppbv	99
4) Chloromethane	3.150	50	804176	9.919	ppbv	93
5) Vinyl Chloride	3.266	62	739801	9.876	ppbv	97
6) Bromomethane	3.485	94	354797	9.790	ppbv	96
7) Chloroethane	3.565	64	256665	10.275	ppbv	96
8) Dichlorotetrafluoroethane	3.198	85	1661186	9.773	ppbv	100
9) Propene	3.018	41	821099	9.913	ppbv	99
10) Heptane	8.131	43	2049248	9.822	ppbv	99
11) Trichlorofluoromethane	3.960	101	1454867	9.950	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.497	101	1147114	10.242	ppbv	97
13) Ethanol	3.610	45	42962	8.534	ppbv #	100
14) Bromoethene	3.748	108	485797	9.862	ppbv	99
15) Acetone	3.854	43	1220963	9.560	ppbv	98
16) 1,3-Butadiene	3.337	39	723993	9.916	ppbv	99
17) tert-Butyl alcohol	4.292	59	1092194	9.536	ppbv	99
18) 1,1-Dichloroethene	4.301	96	514465	10.076	ppbv	91
19) Isopropyl Alcohol	3.970	45	657166	10.067	ppbv #	100
20) Methylene Chloride	4.353	84	431391	9.313	ppbv	92
21) Allyl Chloride	4.420	41	920205	9.623	ppbv	99
22) trans-1,2-Dichloroethene	4.893	96	558793	10.810	ppbv	94
23) Vinyl Acetate	5.079	43	1246117	10.019	ppbv	98
24) 1,1-Dichloroethane	5.021	63	1106507	9.844	ppbv	99
25) Ethyl Acetate	5.684	43	3245348	10.014	ppbv	99
26) Hexane	5.697	57	1441150	9.770	ppbv	97
27) Carbon Disulfide	4.562	76	1406853	10.400	ppbv	98
28) Methyl tert-Butyl Ether	5.041	73	1121140	9.841	ppbv	99
29) Chloroform	5.761	83	2052564	9.945	ppbv	98
30) Cyclohexane	7.137	84	1266695	9.743	ppbv	97
31) cis-1,2-Dichloroethene	5.558	61	1320232	9.734	ppbv	100
32) 1,1,1-Trichloroethane	6.520	97	2012646	9.679	ppbv	99
34) 2-Butanone	5.250	43	1383646	9.869	ppbv	99
35) Carbon Tetrachloride	7.028	117	2063594	9.701	ppbv	98
36) Benzene	6.899	78	3064631	9.495	ppbv	98
37) 1,2-Dichloroethane	6.317	62	1482999	10.049	ppbv	100
38) Trichloroethene	7.844	130	1195380	9.026	ppbv	97
39) 1,2-Dichloropropane	7.623	63	1203236	9.746	ppbv	100
40) 1,4-Dioxane	7.835	88	399942	9.540	ppbv #	92
41) Tetrahydrofuran	6.057	42	1315877	9.882	ppbv	98
42) Bromodichloromethane	7.799	83	2280703	9.787	ppbv	97
43) Methyl Methacrylate	8.021	69	1251247	10.121	ppbv	98
44) 2,2,4-Trimethylpentane	7.877	57	5101801	9.336	ppbv	99
45) t-1,3-Dichloropropene	9.285	75	1304816	10.094	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.709	75	1689162	9.911	ppbv	98
47) 1,1,2-Trichloroethane	9.484	97	1236054	9.771	ppbv	98
48) Dibromochloromethane	10.314	129	1973278	9.952	ppbv	97
49) Bromoform	13.047	173	1579444	10.058	ppbv	98
50) 4-Methyl-2-Pentanone	8.748	43	3207707	10.172	ppbv	100
51) 2-Hexanone	10.140	43	2496341	10.506	ppbv	99
52) Tetrachloroethene	11.227	164	1027678	9.115	ppbv	95
53) Toluene	9.815	91	3578553	9.604	ppbv	99
54) 1,2-Dibromoethane	10.619	107	1768172	10.062	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.134	131	1366608	9.061	ppbv	94
57) Chlorobenzene	12.156	112	2513805	8.919	ppbv	98
58) Ethyl Benzene	12.719	91	4723010	9.184	ppbv	96
59) m/p-Xylene	13.002	91	7734819m	17.903	ppbv	
60) o-Xylene	13.696	91	3608874	8.927	ppbv	98
61) Styrene	13.536	104	2341757	9.508	ppbv	100
62) Isopropylbenzene	14.674	105	5361514	8.836	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.683	83	2311631	9.028	ppbv	100
64) n-propylbenzene	15.564	120	1434334	9.104	ppbv	93
65) tert-Butylbenzene	16.751	119	4662036	8.660	ppbv	99
66) Benzyl Chloride	16.992	91	807240	7.365	ppbv	99
67) sec-Butylbenzene	17.301	105	6656887	8.812	ppbv	99
69) p-Isopropyltoluene	17.654	119	5604120	9.035	ppbv	100
70) n-Butylbenzene	18.555	91	5890751	9.427	ppbv	99
71) 2-Chlorotoluene	15.455	91	4168859	9.137	ppbv	99
72) 4-Ethyltoluene	15.844	105	4506098	9.334	ppbv	100
73) 1,3,5-Trimethylbenzene	16.005	105	4013490	9.255	ppbv	97
74) 1,2,4-Trimethylbenzene	16.767	105	4138343	9.027	ppbv	98
75) 1,3-Dichlorobenzene	17.002	146	2408782	9.050	ppbv	99
76) 1,4-Dichlorobenzene	17.143	146	2387296	9.105	ppbv	99
77) 1,2-Dichlorobenzene	17.825	146	2390585	9.111	ppbv	100
78) Hexachloro-1,3-Butadiene	23.378	225	1616932	7.800	ppbv	99
79) Naphthalene	22.198	128	3354999	9.783	ppbv	99
80) Naphthalene,2-methyl-	24.969	142	899913	10.649	ppbv	92
81) 1,2,4-Trichlorobenzene	21.924	180	1834235	9.139	ppbv	97

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

