

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040722\
 Data File : VL038834.D
 Acq On : 7 Apr 2022 9:40
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/09/2022
 Supervised By : Mahesh Dadoda 04/11/2022

Quant Time: Apr 08 05:22:34 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 06 06:12:53 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	1306622	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.185	114	3579342	10.000	ppbv	0.01
55) Chlorobenzene-d5	12.089	117	3289985m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.417 95 2530566 10.140 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.060	85	1974081	10.652	ppbv	98
3) Chlorodifluoromethane	2.999	51	1593029	9.990	ppbv	100
4) Chloromethane	3.153	50	809053	9.798	ppbv	95
5) Vinyl Chloride	3.269	62	733963	9.620	ppbv	97
6) Bromomethane	3.485	94	369542	10.011	ppbv	94
7) Chloroethane	3.568	64	254777	10.014	ppbv	95
8) Dichlorotetrafluoroethane	3.198	85	1764747	10.193	ppbv	96
9) Propene	3.022	41	833551	9.880	ppbv	99
10) Heptane	8.131	43	2093314	9.850	ppbv	99
11) Trichlorofluoromethane	3.964	101	1537408	10.323	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.497	101	1217611	10.673	ppbv	96
13) Ethanol	3.613	45	50797m	9.907	ppbv	
14) Bromoethene	3.751	108	516436	10.294	ppbv	94
15) Acetone	3.858	43	1231848	9.469	ppbv	99
16) 1,3-Butadiene	3.340	39	733261	9.860	ppbv	99
17) tert-Butyl alcohol	4.295	59	1177664	10.095	ppbv	99
18) 1,1-Dichloroethene	4.298	96	539951	10.383	ppbv	96
19) Isopropyl Alcohol	3.970	45	693801	10.435	ppbv #	100
20) Methylene Chloride	4.356	84	428150	9.075	ppbv	91
21) Allyl Chloride	4.423	41	967994	9.938	ppbv	99
22) trans-1,2-Dichloroethene	4.893	96	582130	11.056	ppbv	95
23) Vinyl Acetate	5.079	43	1378287	10.880	ppbv #	98
24) 1,1-Dichloroethane	5.022	63	1196081	10.448	ppbv	99
25) Ethyl Acetate	5.684	43	3320517	10.060	ppbv	99
26) Hexane	5.697	57	1467965	9.771	ppbv	98
27) Carbon Disulfide	4.562	76	1498767	10.878	ppbv	99
28) Methyl tert-Butyl Ether	5.044	73	1151374	9.922	ppbv	100
29) Chloroform	5.761	83	2184682	10.393	ppbv	97
30) Cyclohexane	7.140	84	1289411	9.738	ppbv	99
31) cis-1,2-Dichloroethene	5.558	61	1367156	9.897	ppbv	98
32) 1,1,1-Trichloroethane	6.520	97	2186436	10.323	ppbv	99
34) 2-Butanone	5.250	43	1436071	10.153	ppbv	100
35) Carbon Tetrachloride	7.028	117	2228023	10.383	ppbv	98
36) Benzene	6.899	78	3224049	9.901	ppbv	98
37) 1,2-Dichloroethane	6.314	62	1595296	10.716	ppbv	98
38) Trichloroethene	7.841	130	1241386	9.291	ppbv	94
39) 1,2-Dichloropropane	7.623	63	1251765	10.051	ppbv	100
40) 1,4-Dioxane	7.835	88	386806	9.146	ppbv #	1
41) Tetrahydrofuran	6.054	42	1345150	10.014	ppbv	99
42) Bromodichloromethane	7.803	83	2463951	10.481	ppbv	99
43) Methyl Methacrylate	8.021	69	1302440	10.443	ppbv	99
44) 2,2,4-Trimethylpentane	7.877	57	5294692	9.604	ppbv	99
45) t-1,3-Dichloropropene	9.285	75	1394449	10.693	ppbv	99

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46) cis-1,3-Dichloropropene	8.709	75	1765062	10.266	ppbv	100
47) 1,1,2-Trichloroethane	9.481	97	1279387	10.025	ppbv	98
48) Dibromochloromethane	10.311	129	2069981	10.349	ppbv	98
49) Bromoform	13.047	173	1640132	10.353	ppbv	98
50) 4-Methyl-2-Pentanone	8.745	43	3299449	10.371	ppbv	99
51) 2-Hexanone	10.137	43	2520579	10.515	ppbv #	99
52) Tetrachloroethene	11.230	164	1060109	9.321	ppbv	99
53) Toluene	9.812	91	3703701	9.853	ppbv	100
54) 1,2-Dibromoethane	10.616	107	1841630	10.389	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.134	131	1435301	9.955	ppbv	94
57) Chlorobenzene	12.150	112	2611712	9.693	ppbv	98
58) Ethyl Benzene	12.716	91	4872802	9.912	ppbv	96
59) m/p-Xylene	12.999	91	8060864m	19.517	ppbv	
60) o-Xylene	13.696	91	3757396	9.722	ppbv	97
61) Styrene	13.532	104	2406580	10.221	ppbv	99
62) Isopropylbenzene	14.671	105	5539447	9.549	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.680	83	2418283	9.879	ppbv	100
64) n-propylbenzene	15.565	120	1477521	9.809	ppbv	93
65) tert-Butylbenzene	16.748	119	4736282	9.203	ppbv	97
66) Benzyl Chloride	16.986	91	870946	8.312	ppbv	96
67) sec-Butylbenzene	17.298	105	6831575	9.459	ppbv	99
69) p-Isopropyltoluene	17.654	119	5732202	9.666	ppbv	99
70) n-Butylbenzene	18.552	91	6094697	10.202	ppbv	99
71) 2-Chlorotoluene	15.455	91	4332370	9.932	ppbv	97
72) 4-Ethyltoluene	15.841	105	4619539	10.010	ppbv	99
73) 1,3,5-Trimethylbenzene	15.999	105	4149264	10.008	ppbv	100
74) 1,2,4-Trimethylbenzene	16.767	105	4237669	9.669	ppbv	98
75) 1,3-Dichlorobenzene	17.002	146	2479215	9.743	ppbv	100
76) 1,4-Dichlorobenzene	17.140	146	2416168	9.640	ppbv	99
77) 1,2-Dichlorobenzene	17.822	146	2406003	9.592	ppbv	99
78) Hexachloro-1,3-Butadiene	23.378	225	1661113	8.382	ppbv	98
79) Naphthalene	22.194	128	3451485	10.528	ppbv	99
80) Naphthalene,2-methyl-	24.969	142	845054	10.460	ppbv	98
81) 1,2,4-Trichlorobenzene	21.924	180	1889676	9.849	ppbv	97

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

