

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
 Data File : VL040106.D
 Acq On : 19 Jan 2023 10:03
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 02:01:20 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Mon Jan 16 14:40:47 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1161608	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2937220	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2999248m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 2364098 9.484 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	2082521	10.225	ppbv	100
3) Chlorodifluoromethane	2.658	51	1270472	9.119	ppbv	97
4) Chloromethane	2.796	50	794888	9.231	ppbv	99
5) Vinyl Chloride	2.906	62	670782	9.188	ppbv	98
6) Bromomethane	3.105	94	244317	9.171	ppbv	100
7) Chloroethane	3.182	64	256005	9.174	ppbv	98
8) Dichlorotetrafluoroethane	2.841	85	1720042	9.047	ppbv	99
9) Propene	2.677	41	531604	9.183	ppbv	99
10) Heptane	7.578	43	1352352	10.136	ppbv	100
11) Trichlorofluoromethane	3.552	101	1805139	8.881	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.057	101	1357002	8.880	ppbv	99
13) Ethanol	3.234	45	41545m	7.797	ppbv	
14) Bromoethene	3.353	108	531220	9.365	ppbv	99
15) Acetone	3.456	43	1198450	8.603	ppbv	98
16) 1,3-Butadiene	2.970	39	606500	9.338	ppbv	99
17) tert-Butyl alcohol	3.867	59	1249735	9.633	ppbv	99
18) 1,1-Dichloroethene	3.867	96	597384	8.998	ppbv	98
19) Isopropyl Alcohol	3.565	45	601174	8.820	ppbv	99
20) Methylene Chloride	3.922	84	501003	8.151	ppbv	97
21) Allyl Chloride	3.986	41	855506	9.564	ppbv	99
22) trans-1,2-Dichloroethene	4.436	96	625725	9.223	ppbv	97
23) Vinyl Acetate	4.616	43	427347	9.463	ppbv #	97
24) 1,1-Dichloroethane	4.555	63	1253648	9.167	ppbv	98
25) Ethyl Acetate	5.195	43	2463974	10.040	ppbv	100
26) Hexane	5.205	57	1025982	9.552	ppbv	98
27) Carbon Disulfide	4.115	76	1488203	10.695	ppbv	98
28) Methyl tert-Butyl Ether	4.578	73	1135783	9.400	ppbv	100
29) Chloroform	5.269	83	1778413	10.356	ppbv	98
30) Cyclohexane	6.600	84	859039	10.061	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	966169	9.292	ppbv	100
32) 1,1,1-Trichloroethane	5.999	97	1761101	10.090	ppbv	99
34) 2-Butanone	4.777	43	1392148	10.020	ppbv	99
35) Carbon Tetrachloride	6.488	117	1850863	11.145	ppbv	98
36) Benzene	6.369	78	2208244	10.159	ppbv	98
37) 1,2-Dichloroethane	5.803	62	1395714	9.990	ppbv	100
38) Trichloroethene	7.288	130	1294114	10.490	ppbv	99
39) 1,2-Dichloropropane	7.070	63	860523	10.121	ppbv	96
40) 1,4-Dioxane	7.285	88	341113	10.110	ppbv	98
41) Tetrahydrofuran	5.552	42	844032	10.525	ppbv	99
42) Bromodichloromethane	7.250	83	1975633	10.472	ppbv	98
43) Methyl Methacrylate	7.471	69	892266	11.186	ppbv	100
44) 2,2,4-Trimethylpentane	7.324	57	3652559	10.105	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	872110	12.261	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	1171774	12.056	ppbv	99
47) 1,1,2-Trichloroethane	8.899	97	924656	10.330	ppbv	98
48) Dibromochloromethane	9.713	129	1617023	11.240	ppbv	100
49) Bromoform	12.413	173	1302461	11.752	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	2330234	10.663	ppbv	100
51) 2-Hexanone	9.552	43	1823177	11.012	ppbv #	98
52) Tetrachloroethene	10.616	164	758200	10.663	ppbv	99
53) Toluene	9.221	91	2532083	10.922	ppbv	100
54) 1,2-Dibromoethane	10.012	107	1058641	11.296	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.513	131	1132683	9.703	ppbv	96
57) Chlorobenzene	11.529	112	1967482	9.624	ppbv	97
58) Ethyl Benzene	12.089	91	3474691	10.381	ppbv	100
59) m/p-Xylene	12.378	91	6011205m	19.975	ppbv	
60) o-Xylene	13.063	91	2895884	10.138	ppbv	100
61) Styrene	12.902	104	1681220	11.295	ppbv	99
62) Isopropylbenzene	14.034	105	4022295	9.790	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	975006	9.400	ppbv	99
64) n-propylbenzene	14.921	120	1038298	10.166	ppbv	97
65) tert-Butylbenzene	16.098	119	3490323	9.922	ppbv	100
66) Benzyl Chloride	16.336	91	262850	10.934	ppbv #	97
67) sec-Butylbenzene	16.642	105	4960307	9.947	ppbv	100
69) p-Isopropyltoluene	16.998	119	3999266	10.205	ppbv	100
70) n-Butylbenzene	17.889	91	4283561	10.136	ppbv	99
71) 2-Chlorotoluene	14.806	91	3143675	9.948	ppbv	100
72) 4-Ethyltoluene	15.198	105	3287954	10.373	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2918270	10.225	ppbv	99
74) 1,2,4-Trimethylbenzene	16.114	105	3143899	9.944	ppbv	97
75) 1,3-Dichlorobenzene	16.339	146	1750650	9.970	ppbv	99
76) 1,4-Dichlorobenzene	16.478	146	1689970	9.789	ppbv	99
77) 1,2-Dichlorobenzene	17.150	146	1661098	9.892	ppbv	99
78) Hexachloro-1,3-Butadiene	22.645	225	1083095m	8.806	ppbv	
79) Naphthalene	21.387	128	2254743	12.450	ppbv	99
80) Naphthalene,2-methyl-	24.378	142	694538	11.381	ppbv	96
81) 1,2,4-Trichlorobenzene	21.143	180	1163276	10.421	ppbv	98

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

