

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031623\
 Data File : VL040288.D
 Acq On : 16 Mar 2023 9:11
 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 03/17/2023
 Supervised By : Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 04:13:04 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Mar 15 16:14:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1083383	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2896544	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2950719m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2391071 9.677 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	1766348	8.310	ppbv	97
3) Chlorodifluoromethane	2.661	51	1230528	9.032	ppbv	98
4) Chloromethane	2.800	50	766628	9.113	ppbv	97
5) Vinyl Chloride	2.906	62	664285	9.753	ppbv	95
6) Bromomethane	3.105	94	225701	9.555	ppbv	99
7) Chloroethane	3.185	64	239426	9.156	ppbv	95
8) Dichlorotetrafluoroethane	2.845	85	1672882	9.194	ppbv	100
9) Propene	2.681	41	507103	9.716	ppbv	96
10) Heptane	7.571	43	1258095	10.022	ppbv	99
11) Trichlorofluoromethane	3.552	101	1777056	9.227	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.057	101	1331552	9.206	ppbv	99
13) Ethanol	3.234	45	27360	7.148	ppbv	95
14) Bromoethene	3.356	108	520090	9.640	ppbv	98
15) Acetone	3.456	43	1163647	8.823	ppbv	99
16) 1,3-Butadiene	2.973	39	593301	9.896	ppbv	98
17) tert-Butyl alcohol	3.864	59	1276629	10.184	ppbv	100
18) 1,1-Dichloroethene	3.867	96	595631	9.599	ppbv	99
19) Isopropyl Alcohol	3.562	45	577632	9.143	ppbv #	98
20) Methylene Chloride	3.919	84	484924	8.739	ppbv	97
21) Allyl Chloride	3.983	41	837792	9.806	ppbv	98
22) trans-1,2-Dichloroethene	4.433	96	600862	9.514	ppbv	99
23) Vinyl Acetate	4.613	43	367364	10.012	ppbv	96
24) 1,1-Dichloroethane	4.552	63	1235310	9.438	ppbv	98
25) Ethyl Acetate	5.195	43	2214092	8.967	ppbv	100
26) Hexane	5.201	57	948709	9.360	ppbv	96
27) Carbon Disulfide	4.111	76	1501965	10.609	ppbv	98
28) Methyl tert-Butyl Ether	4.574	73	1126233	9.677	ppbv	99
29) Chloroform	5.266	83	1512148	8.449	ppbv	100
30) Cyclohexane	6.594	84	800531	10.023	ppbv	95
31) cis-1,2-Dichloroethene	5.066	61	929933	9.421	ppbv	95
32) 1,1,1-Trichloroethane	5.989	97	1728251	10.079	ppbv	99
34) 2-Butanone	4.774	43	1287286	9.005	ppbv	99
35) Carbon Tetrachloride	6.484	117	1786960	9.831	ppbv	99
36) Benzene	6.362	78	2075248	9.401	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1318713	9.179	ppbv	100
38) Trichloroethene	7.282	130	1246804	10.336	ppbv	99
39) 1,2-Dichloropropane	7.063	63	793242	9.159	ppbv	95
40) 1,4-Dioxane	7.279	88	299556	8.743	ppbv	72
41) Tetrahydrofuran	5.545	42	769155	9.323	ppbv	100
42) Bromodichloromethane	7.240	83	1849921	9.422	ppbv	98
43) Methyl Methacrylate	7.465	69	823775	10.042	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	3501229	9.513	ppbv	100
45) t-1,3-Dichloropropene	8.706	75	770074	10.769	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	1065870	10.496	ppbv	98
47) 1,1,2-Trichloroethane	8.893	97	845910	9.154	ppbv	92
48) Dibromochloromethane	9.703	129	1440616	9.474	ppbv	100
49) Bromoform	12.404	173	1063498	9.312	ppbv	100
50) 4-Methyl-2-Pentanone	8.172	43	2126458	9.612	ppbv	100
51) 2-Hexanone	9.542	43	1622806	9.469	ppbv #	100
52) Tetrachloroethene	10.610	164	669435	10.024	ppbv	96
53) Toluene	9.214	91	2285967	9.882	ppbv	98
54) 1,2-Dibromoethane	10.002	107	912380	9.592	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.503	131	1025859	8.264	ppbv	98
57) Chlorobenzene	11.520	112	1706094	8.128	ppbv	98
58) Ethyl Benzene	12.082	91	3090951	9.200	ppbv	99
59) m/p-Xylene	12.365	91	5329618m	17.316	ppbv	
60) o-Xylene	13.050	91	2552487	8.675	ppbv	100
61) Styrene	12.892	104	1426894	9.557	ppbv	99
62) Isopropylbenzene	14.024	105	3573101	8.528	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.044	83	801413	7.741	ppbv	100
64) n-propylbenzene	14.915	120	909224	8.867	ppbv	99
65) tert-Butylbenzene	16.088	119	3181217	8.810	ppbv	100
66) Benzyl Chloride	16.323	91	208358	8.879	ppbv #	96
67) sec-Butylbenzene	16.635	105	4586861	8.883	ppbv	100
69) p-Isopropyltoluene	16.989	119	3750691	9.327	ppbv	100
70) n-Butylbenzene	17.883	91	4213643	9.511	ppbv	100
71) 2-Chlorotoluene	14.796	91	2776094	8.705	ppbv	100
72) 4-Ethyltoluene	15.188	105	2943837	9.151	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	2621941	8.998	ppbv	96
74) 1,2,4-Trimethylbenzene	16.105	105	2921259	8.791	ppbv	98
75) 1,3-Dichlorobenzene	16.323	146	1612609	8.960	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1581894	9.215	ppbv	99
77) 1,2-Dichlorobenzene	17.140	146	1607013	9.289	ppbv	100
78) Hexachloro-1,3-Butadiene	22.628	225	1126249	8.877	ppbv	100
79) Naphthalene	21.384	128	2326260	11.833	ppbv	98
80) Naphthalene,2-methyl-	24.371	142	419051	8.417	ppbv	96
81) 1,2,4-Trichlorobenzene	21.137	180	1226649	10.131	ppbv	99

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

