

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031523\
 Data File : VL040286.D
 Acq On : 15 Mar 2023 16:20
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031523

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/16/2023
 Supervised By : Mahesh Dadoda 03/16/2023

Quant Time: Mar 15 16:50:04 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	5.195	49	1187692	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3064762	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	3023496	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2425639 9.580 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	2101867	9.020	ppbv	99
3) Chlorodifluoromethane	2.671	51	1307814	8.757	ppbv	97
4) Chloromethane	2.809	50	832775	9.030	ppbv	97
5) Vinyl Chloride	2.918	62	710244	9.511	ppbv	97
6) Bromomethane	3.118	94	230969	8.920	ppbv	97
7) Chloroethane	3.195	64	267678	9.337	ppbv	99
8) Dichlorotetrafluoroethane	2.854	85	1740639	8.726	ppbv	99
9) Propene	2.690	41	574177	10.035	ppbv	95
10) Heptane	7.584	43	1342871	9.758	ppbv	100
11) Trichlorofluoromethane	3.562	101	1750219	8.290	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.066	101	1314359	8.289	ppbv	96
13) Ethanol	3.246	45	30944m	7.374	ppbv	
14) Bromoethene	3.365	108	545310	9.219	ppbv	99
15) Acetone	3.465	43	1209870	8.367	ppbv	97
16) 1,3-Butadiene	2.983	39	648893	9.873	ppbv	99
17) tert-Butyl alcohol	3.873	59	1267084	9.220	ppbv	100
18) 1,1-Dichloroethene	3.880	96	602704	8.860	ppbv	97
19) Isopropyl Alcohol	3.571	45	570153	8.232	ppbv	98
20) Methylene Chloride	3.931	84	497416	8.177	ppbv	97
21) Allyl Chloride	3.996	41	901679	9.627	ppbv	98
22) trans-1,2-Dichloroethene	4.446	96	626486	9.049	ppbv	97
23) Vinyl Acetate	4.626	43	417223	10.372	ppbv #	95
24) 1,1-Dichloroethane	4.565	63	1279967	8.921	ppbv	98
25) Ethyl Acetate	5.205	43	2502740	9.245	ppbv	100
26) Hexane	5.214	57	1082876	9.745	ppbv	95
27) Carbon Disulfide	4.124	76	1524231	9.821	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	1193259	9.353	ppbv	99
29) Chloroform	5.275	83	1790770	9.127	ppbv	97
30) Cyclohexane	6.606	84	902069	10.302	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	976757	9.026	ppbv	98
32) 1,1,1-Trichloroethane	6.005	97	1784586	9.493	ppbv	99
34) 2-Butanone	4.787	43	1373554	9.081	ppbv	100
35) Carbon Tetrachloride	6.497	117	1838115	9.557	ppbv	98
36) Benzene	6.375	78	2259958	9.676	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1371038	9.019	ppbv	99
38) Trichloroethene	7.298	130	1307641	10.245	ppbv	99
39) 1,2-Dichloropropane	7.079	63	848832	9.263	ppbv	98
40) 1,4-Dioxane	7.294	88	319711m	8.819	ppbv	
41) Tetrahydrofuran	5.558	42	857687	9.825	ppbv	99
42) Bromodichloromethane	7.253	83	1938336	9.331	ppbv	98
43) Methyl Methacrylate	7.478	69	874247	10.072	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	3719241	9.551	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	818774	10.821	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	1148250	10.687	ppbv	98
47) 1,1,2-Trichloroethane	8.909	97	888354	9.086	ppbv	94
48) Dibromochloromethane	9.719	129	1501238	9.331	ppbv	99
49) Bromoform	12.420	173	1103689	9.133	ppbv	100
50) 4-Methyl-2-Pentanone	8.185	43	2231946	9.536	ppbv	99
51) 2-Hexanone	9.555	43	1707338	9.416	ppbv #	99
52) Tetrachloroethene	10.622	164	714768	10.115	ppbv	98
53) Toluene	9.230	91	2468854	10.087	ppbv	99
54) 1,2-Dibromoethane	10.018	107	967103	9.610	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.516	131	1070305	8.415	ppbv	99
57) Chlorobenzene	11.535	112	1822437	8.474	ppbv	97
58) Ethyl Benzene	12.098	91	3243410	9.421	ppbv	99
59) m/p-Xylene	12.381	91	5529433m	17.533	ppbv	
60) o-Xylene	13.069	91	2610993	8.660	ppbv	99
61) Styrene	12.908	104	1506320	9.846	ppbv	99
62) Isopropylbenzene	14.040	105	3689593	8.594	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	829240	7.817	ppbv	99
64) n-propylbenzene	14.928	120	929599	8.848	ppbv	100
65) tert-Butylbenzene	16.101	119	3260953	8.814	ppbv	100
66) Benzyl Chloride	16.339	91	220078	9.153	ppbv	98
67) sec-Butylbenzene	16.648	105	4672660	8.831	ppbv	100
69) p-Isopropyltoluene	17.005	119	3828841	9.292	ppbv	100
70) n-Butylbenzene	17.899	91	4266140	9.397	ppbv	100
71) 2-Chlorotoluene	14.812	91	2856751	8.742	ppbv	100
72) 4-Ethyltoluene	15.204	105	3016467	9.151	ppbv	98
73) 1,3,5-Trimethylbenzene	15.362	105	2682583	8.985	ppbv	98
74) 1,2,4-Trimethylbenzene	16.120	105	2974222	8.735	ppbv	99
75) 1,3-Dichlorobenzene	16.342	146	1653099	8.964	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	1623205	9.228	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	1642934	9.268	ppbv	100
78) Hexachloro-1,3-Butadiene	22.651	225	1145081	8.808	ppbv	99
79) Naphthalene	21.400	128	2393181	11.881	ppbv	98
80) Naphthalene,2-methyl-	24.384	142	497144	9.745	ppbv	98
81) 1,2,4-Trichlorobenzene	21.152	180	1233120	9.939	ppbv	100

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

