

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031523\
 Data File : VL040279.D
 Acq On : 15 Mar 2023 11:35
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

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

Quant Time: Mar 15 12:10:24 2023

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

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

QLast Update : Tue Mar 14 04:52:39 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1093309	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2845395	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2913705	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2369997 9.892 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1411018	6.925	ppbv	97
3) Chlorodifluoromethane	2.665	51	1223207	9.366	ppbv	98
4) Chloromethane	2.803	50	776369	9.464	ppbv	95
5) Vinyl Chloride	2.912	62	657712	9.977	ppbv	98
6) Bromomethane	3.112	94	221292	9.300	ppbv	100
7) Chloroethane	3.189	64	249643	9.549	ppbv	100
8) Dichlorotetrafluoroethane	2.848	85	1660185	9.455	ppbv	99
9) Propene	2.684	41	464362	8.722	ppbv	97
10) Heptane	7.581	43	1270581	10.027	ppbv	100
11) Trichlorofluoromethane	3.555	101	1818439	9.946	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.060	101	1367034	10.135	ppbv	98
13) Ethanol	3.237	45	33053m	6.744	ppbv	
14) Bromoethene	3.359	108	536447	10.372	ppbv	99
15) Acetone	3.459	43	1183930	8.995	ppbv	99
16) 1,3-Butadiene	2.976	39	588609	9.792	ppbv	98
17) tert-Butyl alcohol	3.870	59	1295772	10.794	ppbv	100
18) 1,1-Dichloroethene	3.877	96	595372	10.159	ppbv	99
19) Isopropyl Alcohol	3.565	45	599848	9.587	ppbv	99
20) Methylene Chloride	3.928	84	492902	7.193	ppbv	96
21) Allyl Chloride	3.989	41	845692	10.475	ppbv	99
22) trans-1,2-Dichloroethene	4.439	96	623875	10.280	ppbv	91
23) Vinyl Acetate	4.623	43	365302	9.145	ppbv #	97
24) 1,1-Dichloroethane	4.558	63	1236212	9.900	ppbv	99
25) Ethyl Acetate	5.201	43	2254739	9.214	ppbv	99
26) Hexane	5.211	57	935060	8.902	ppbv	98
27) Carbon Disulfide	4.118	76	1493750	11.207	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	1106028	9.827	ppbv	99
29) Chloroform	5.272	83	1513814	8.393	ppbv	98
30) Cyclohexane	6.603	84	831751	10.084	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	944562	9.464	ppbv	95
32) 1,1,1-Trichloroethane	6.005	97	1729492	10.206	ppbv	99
34) 2-Butanone	4.780	43	1351657	9.630	ppbv	99
35) Carbon Tetrachloride	6.494	117	1834696	10.907	ppbv	98
36) Benzene	6.372	78	2089884	9.438	ppbv	98
37) 1,2-Dichloroethane	5.806	62	1345224	9.713	ppbv	98
38) Trichloroethene	7.295	130	1295571	10.618	ppbv	98
39) 1,2-Dichloropropane	7.073	63	812914	9.437	ppbv	97
40) 1,4-Dioxane	7.291	88	341839	9.920	ppbv	92
41) Tetrahydrofuran	5.555	42	794985	9.774	ppbv	99
42) Bromodichloromethane	7.253	83	1921781	10.054	ppbv	98
43) Methyl Methacrylate	7.478	69	850988	10.386	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	3500455	9.470	ppbv	99
45) t-1,3-Dichloropropene	8.713	75	824460	11.344	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1103096	10.894	ppbv	99
47) 1,1,2-Trichloroethane	8.906	97	882650	9.474	ppbv	97
48) Dibromochloromethane	9.716	129	1559559	10.465	ppbv	100
49) Bromoform	12.417	173	1218893	10.479	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	2190574	10.051	ppbv	100
51) 2-Hexanone	9.555	43	1743496	10.402	ppbv #	98
52) Tetrachloroethene	10.622	164	712761	10.308	ppbv	99
53) Toluene	9.227	91	2404680	10.139	ppbv	99
54) 1,2-Dibromoethane	10.015	107	990650	10.219	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.516	131	1106467	9.047	ppbv	98
57) Chlorobenzene	11.536	112	1864942	8.761	ppbv	99
58) Ethyl Benzene	12.098	91	3278753	9.262	ppbv	97
59) m/p-Xylene	12.381	91	5773802m	18.414	ppbv	
60) o-Xylene	13.069	91	2784000	9.227	ppbv	100
61) Styrene	12.909	104	1572628	9.928	ppbv	99
62) Isopropylbenzene	14.040	105	3862865	8.920	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.056	83	866119	7.966	ppbv	99
64) n-propylbenzene	14.928	120	966144	9.014	ppbv	96
65) tert-Butylbenzene	16.101	119	3318819	8.816	ppbv	99
66) Benzyl Chloride	16.343	91	224127	8.947	ppbv	97
67) sec-Butylbenzene	16.645	105	4699214	8.704	ppbv	100
69) p-Isopropyltoluene	17.008	119	3771973	8.813	ppbv	99
70) n-Butylbenzene	17.899	91	4082863	8.789	ppbv	100
71) 2-Chlorotoluene	14.812	91	2983415	9.007	ppbv	99
72) 4-Ethyltoluene	15.204	105	3103235	9.304	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	2750301	8.862	ppbv	96
74) 1,2,4-Trimethylbenzene	16.121	105	3009248	8.828	ppbv	96
75) 1,3-Dichlorobenzene	16.343	146	1612725	8.645	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1579023	8.638	ppbv	100
77) 1,2-Dichlorobenzene	17.156	146	1517944	8.191	ppbv	100
78) Hexachloro-1,3-Butadiene	22.648	225	1088691	8.552	ppbv	100
79) Naphthalene	21.397	128	2322022	12.125	ppbv	98
80) Naphthalene,2-methyl-	24.387	142	661400	12.145	ppbv	96
81) 1,2,4-Trichlorobenzene	21.156	180	1222849	10.204	ppbv	97

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

