

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040354.D
 Acq On : 13 Apr 2023 10:04
 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 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 13 10:39:21 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

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

QLast Update : Tue Apr 11 04:15:53 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1089998	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2702241	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2718620	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2208999 9.703 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	1669089	7.805	ppbv	98
3) Chlorodifluoromethane	2.661	51	1251818	9.133	ppbv	99
4) Chloromethane	2.800	50	803858	9.498	ppbv	99
5) Vinyl Chloride	2.909	62	668858	9.760	ppbv	100
6) Bromomethane	3.108	94	223954	9.424	ppbv	98
7) Chloroethane	3.185	64	257808	9.799	ppbv	95
8) Dichlorotetrafluoroethane	2.845	85	1740411	9.507	ppbv	98
9) Propene	2.681	41	499037	9.504	ppbv	96
10) Heptane	7.581	43	1279380	10.130	ppbv	99
11) Trichlorofluoromethane	3.552	101	1784958	9.212	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	1267262	8.708	ppbv	98
13) Ethanol	3.230	45	36119m	9.379	ppbv	
14) Bromoethene	3.356	108	532681	9.813	ppbv	97
15) Acetone	3.455	43	1218771	9.184	ppbv	99
16) 1,3-Butadiene	2.973	39	596927	9.896	ppbv	99
17) tert-Butyl alcohol	3.867	59	1318339	10.453	ppbv	100
18) 1,1-Dichloroethene	3.870	96	573386	9.185	ppbv	98
19) Isopropyl Alcohol	3.565	45	648285	10.199	ppbv	100
20) Methylene Chloride	3.925	84	501774	8.988	ppbv	97
21) Allyl Chloride	3.986	41	817625	9.512	ppbv	98
22) trans-1,2-Dichloroethene	4.439	96	578825	9.110	ppbv	97
23) Vinyl Acetate	4.619	43	344730	9.338	ppbv #	94
24) 1,1-Dichloroethane	4.558	63	1210642	9.194	ppbv	99
25) Ethyl Acetate	5.201	43	2402434	9.670	ppbv	99
26) Hexane	5.208	57	1011928	9.923	ppbv	98
27) Carbon Disulfide	4.118	76	1461223	10.259	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	1052189	8.986	ppbv	100
29) Chloroform	5.272	83	1772040	9.841	ppbv	97
30) Cyclohexane	6.600	84	858819	10.687	ppbv	98
31) cis-1,2-Dichloroethene	5.076	61	1056367	10.637	ppbv	98
32) 1,1,1-Trichloroethane	6.002	97	1790885	10.381	ppbv	99
34) 2-Butanone	4.780	43	1355393	10.163	ppbv	100
35) Carbon Tetrachloride	6.494	117	1849024	10.904	ppbv	100
36) Benzene	6.372	78	2130181	10.344	ppbv	100
37) 1,2-Dichloroethane	5.806	62	1392790	10.391	ppbv	100
38) Trichloroethene	7.295	130	1325616	11.780	ppbv	97
39) 1,2-Dichloropropane	7.076	63	834175	10.325	ppbv	99
40) 1,4-Dioxane	7.291	88	312152	9.766	ppbv #	1
41) Tetrahydrofuran	5.555	42	780196	10.136	ppbv	98
42) Bromodichloromethane	7.253	83	1960776	10.705	ppbv	98
43) Methyl Methacrylate	7.475	69	867022	11.329	ppbv	98
44) 2,2,4-Trimethylpentane	7.330	57	3546635	10.329	ppbv	100
45) t-1,3-Dichloropropene	8.716	75	836009	12.531	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1143204	12.067	ppbv	99
47) 1,1,2-Trichloroethane	8.905	97	920771	10.681	ppbv	95
48) Dibromochloromethane	9.716	129	1590187	11.209	ppbv	100
49) Bromoform	12.417	173	1278538	12.000	ppbv	100
50) 4-Methyl-2-Pentanone	8.182	43	2220839	10.761	ppbv	99
51) 2-Hexanone	9.558	43	1723241	10.778	ppbv #	99
52) Tetrachloroethene	10.622	164	725349	11.642	ppbv	98
53) Toluene	9.227	91	2458472	11.392	ppbv	99
54) 1,2-Dibromoethane	10.015	107	1018313	11.476	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.516	131	1148850	10.045	ppbv	95
57) Chlorobenzene	11.536	112	1937665	10.020	ppbv	100
58) Ethyl Benzene	12.098	91	3415573	11.034	ppbv	100
59) m/p-Xylene	12.381	91	5972862m	21.062	ppbv	
60) o-Xylene	13.066	91	2883505	10.637	ppbv	99
61) Styrene	12.905	104	1645032	11.958	ppbv	99
62) Isopropylbenzene	14.040	105	4054599	10.503	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.056	83	904100	9.478	ppbv	100
64) n-propylbenzene	14.928	120	1024022	10.840	ppbv	99
65) tert-Butylbenzene	16.101	119	3538630	10.637	ppbv	99
66) Benzyl Chloride	16.339	91	240348	11.117	ppbv	99
67) sec-Butylbenzene	16.648	105	5092973	10.705	ppbv	99
69) p-Isopropyltoluene	17.008	119	4043897	10.914	ppbv	99
70) n-Butylbenzene	17.899	91	4451327	10.905	ppbv	100
71) 2-Chlorotoluene	14.812	91	3164041	10.769	ppbv	100
72) 4-Ethyltoluene	15.204	105	3299644	11.133	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	2952437	10.997	ppbv	96
74) 1,2,4-Trimethylbenzene	16.117	105	3246882	10.605	ppbv	93
75) 1,3-Dichlorobenzene	16.342	146	1769024	10.668	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1751631	11.075	ppbv	100
77) 1,2-Dichlorobenzene	17.156	146	1693787	10.627	ppbv	100
78) Hexachloro-1,3-Butadiene	22.648	225	1275349	10.911	ppbv	99
79) Naphthalene	21.394	128	2723231	15.036	ppbv	98
80) Naphthalene,2-methyl-	24.384	142	846317	18.450	ppbv	98
81) 1,2,4-Trichlorobenzene	21.156	180	1395318	12.508	ppbv	98

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

