

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
 Data File : VL040267.D
 Acq On : 13 Mar 2023 16:20
 Operator : SY/MD
 Sample : VL0313ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0313ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/14/2023
 Supervised By : Mahesh Dadoda 03/15/2023

Quant Time: Mar 14 04:54:01 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri 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	5.192	49	894569	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2281413	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2199488	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.789 95 1796769 9.934 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1608255	9.646	ppbv	100
3) Chlorodifluoromethane	2.661	51	1090325	10.203	ppbv	98
4) Chloromethane	2.803	50	670989	9.996	ppbv	95
5) Vinyl Chloride	2.909	62	586148	10.866	ppbv	99
6) Bromomethane	3.108	94	200200	10.283	ppbv	97
7) Chloroethane	3.189	64	220505	10.308	ppbv	100
8) Dichlorotetrafluoroethane	2.845	85	1493788	10.398	ppbv	99
9) Propene	2.681	41	432395	9.926	ppbv	99
10) Heptane	7.584	43	1121915	10.821	ppbv	99
11) Trichlorofluoromethane	3.555	101	1589376	10.624	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.060	101	1180942	10.701	ppbv	98
13) Ethanol	3.237	45	28569m	7.124	ppbv	
14) Bromoethene	3.359	108	457205	10.804	ppbv	98
15) Acetone	3.459	43	1048592	9.736	ppbv	99
16) 1,3-Butadiene	2.976	39	532497	10.826	ppbv	100
17) tert-Butyl alcohol	3.870	59	1064468	10.837	ppbv	100
18) 1,1-Dichloroethene	3.873	96	519758	10.839	ppbv	98
19) Isopropyl Alcohol	3.565	45	472920	9.237	ppbv	98
20) Methylene Chloride	3.928	84	435117	7.761	ppbv	94
21) Allyl Chloride	3.989	41	705154	10.675	ppbv	97
22) trans-1,2-Dichloroethene	4.439	96	525539	10.584	ppbv	90
23) Vinyl Acetate	4.623	43	344410	10.537	ppbv	99
24) 1,1-Dichloroethane	4.562	63	1092716	10.695	ppbv	99
25) Ethyl Acetate	5.201	43	2055843	10.268	ppbv	100
26) Hexane	5.211	57	848461	9.872	ppbv	99
27) Carbon Disulfide	4.118	76	1287915	11.809	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	961577	10.441	ppbv	99
29) Chloroform	5.275	83	1507258	10.213	ppbv	100
30) Cyclohexane	6.606	84	730473	10.823	ppbv	98
31) cis-1,2-Dichloroethene	5.079	61	808956	9.906	ppbv	99
32) 1,1,1-Trichloroethane	6.005	97	1540950	11.113	ppbv	100
34) 2-Butanone	4.783	43	1161506	10.321	ppbv	99
35) Carbon Tetrachloride	6.500	117	1607045	11.915	ppbv	99
36) Benzene	6.375	78	1827831	10.295	ppbv	97
37) 1,2-Dichloroethane	5.809	62	1189725	10.714	ppbv	98
38) Trichloroethene	7.298	130	1108757	11.333	ppbv	99
39) 1,2-Dichloropropane	7.079	63	712462	10.316	ppbv	98
40) 1,4-Dioxane	7.291	88	260416	9.426	ppbv	77
41) Tetrahydrofuran	5.555	42	674170	10.337	ppbv	99
42) Bromodichloromethane	7.256	83	1700868	11.098	ppbv	98
43) Methyl Methacrylate	7.481	69	741295	11.284	ppbv	100
44) 2,2,4-Trimethylpentane	7.330	57	3107797	10.486	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	711132	12.203	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	968927	11.935	ppbv	99
47) 1,1,2-Trichloroethane	8.912	97	766199	10.257	ppbv	97
48) Dibromochloromethane	9.722	129	1350491	11.303	ppbv	99
49) Bromoform	12.420	173	1070609	11.480	ppbv	100
50) 4-Methyl-2-Pentanone	8.188	43	1958404	11.207	ppbv	99
51) 2-Hexanone	9.561	43	1524032	11.341	ppbv #	98
52) Tetrachloroethene	10.629	164	609907	11.001	ppbv	98
53) Toluene	9.230	91	2106960	11.080	ppbv	98
54) 1,2-Dibromoethane	10.021	107	860329	11.069	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.523	131	983918	10.657	ppbv	96
57) Chlorobenzene	11.539	112	1614200	10.045	ppbv	99
58) Ethyl Benzene	12.101	91	2889769	10.813	ppbv	99
59) m/p-Xylene	12.384	91	5065579m	21.401	ppbv	
60) o-Xylene	13.072	91	2442228	10.723	ppbv	99
61) Styrene	12.912	104	1357115	11.350	ppbv	99
62) Isopropylbenzene	14.044	105	3417824	10.455	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.063	83	809663	9.865	ppbv	100
64) n-propylbenzene	14.931	120	850675	10.514	ppbv	94
65) tert-Butylbenzene	16.105	119	2972177	10.459	ppbv	98
66) Benzyl Chloride	16.339	91	196921	10.413	ppbv	99
67) sec-Butylbenzene	16.654	105	4232195	10.385	ppbv	100
69) p-Isopropyltoluene	17.011	119	3359687	10.399	ppbv	99
70) n-Butylbenzene	17.902	91	3638626	10.376	ppbv	99
71) 2-Chlorotoluene	14.818	91	2612751	10.450	ppbv	99
72) 4-Ethyltoluene	15.207	105	2722782	10.815	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	2448816	10.453	ppbv	97
74) 1,2,4-Trimethylbenzene	16.121	105	2665744	10.359	ppbv	92
75) 1,3-Dichlorobenzene	16.346	146	1411417	10.022	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	1373786	9.955	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	1353958	9.679	ppbv	100
78) Hexachloro-1,3-Butadiene	22.657	225	916697	9.539	ppbv	100
79) Naphthalene	21.403	128	1811244	12.529	ppbv	99
80) Naphthalene,2-methyl-	24.394	142	367601	8.942	ppbv	98
81) 1,2,4-Trichlorobenzene	21.159	180	974716	10.774	ppbv	99

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

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