

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010923\
 Data File : VL040073.D
 Acq On : 9 Jan 2023 13:16
 Operator : SY/MD
 Sample : VL0109ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/11/2023
 Supervised By :Mahesh Dadoda 01/11/2023

Quant Time: Jan 10 00:24:12 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

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

QLast Update : Tue Jan 10 00:22:08 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1113727	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3085206	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2979040	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 2332608 10.250 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	1932321	9.269	ppbv	99
3) Chlorodifluoromethane	2.661	51	1282766	7.806	ppbv	98
4) Chloromethane	2.800	50	816886	7.934	ppbv	96
5) Vinyl Chloride	2.909	62	710294	8.526	ppbv	99
6) Bromomethane	3.108	94	241970	7.905	ppbv	95
7) Chloroethane	3.189	64	263504	8.384	ppbv	97
8) Dichlorotetrafluoroethane	2.845	85	1698801	7.745	ppbv	100
9) Propene	2.681	41	580636	8.326	ppbv	100
10) Heptane	7.584	43	1426414	8.381	ppbv	99
11) Trichlorofluoromethane	3.555	101	1740638	7.684	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	1286332	7.498	ppbv	96
13) Ethanol	3.234	45	46737m	7.121	ppbv	
14) Bromoethene	3.359	108	535766	8.293	ppbv	100
15) Acetone	3.459	43	1302244	7.559	ppbv	99
16) 1,3-Butadiene	2.973	39	646306	8.630	ppbv	100
17) tert-Butyl alcohol	3.874	59	1291901	7.606	ppbv	100
18) 1,1-Dichloroethene	3.874	96	596915	7.993	ppbv	95
19) Isopropyl Alcohol	3.568	45	649273	7.647	ppbv #	98
20) Methylene Chloride	3.928	84	530773	7.248	ppbv	97
21) Allyl Chloride	3.989	41	912496	8.814	ppbv	98
22) trans-1,2-Dichloroethene	4.443	96	628622	8.446	ppbv	96
23) Vinyl Acetate	4.623	43	485257	8.884	ppbv #	97
24) 1,1-Dichloroethane	4.562	63	1268913	7.911	ppbv	100
25) Ethyl Acetate	5.205	43	2487687	8.337	ppbv	99
26) Hexane	5.211	57	1090033	8.692	ppbv	96
27) Carbon Disulfide	4.118	76	1571602	9.936	ppbv	98
28) Methyl tert-Butyl Ether	4.584	73	1186512	8.028	ppbv	100
29) Chloroform	5.275	83	1745173	9.119	ppbv	98
30) Cyclohexane	6.603	84	951652	8.569	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	992385	8.309	ppbv	98
32) 1,1,1-Trichloroethane	6.005	97	1803793	8.804	ppbv	100
34) 2-Butanone	4.783	43	1431566	8.553	ppbv	100
35) Carbon Tetrachloride	6.500	117	1894487	9.886	ppbv	95
36) Benzene	6.375	78	2380862	8.641	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1369423	8.472	ppbv	100
38) Trichloroethene	7.298	130	1355759	9.575	ppbv	97
39) 1,2-Dichloropropane	7.079	63	899356	8.708	ppbv	97
40) 1,4-Dioxane	7.291	88	365541	7.853	ppbv	82
41) Tetrahydrofuran	5.562	42	920765	8.814	ppbv	100
42) Bromodichloromethane	7.253	83	2034790	9.189	ppbv	97
43) Methyl Methacrylate	7.478	69	948774	9.175	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	3862141	8.514	ppbv	100
45) t-1,3-Dichloropropene	8.719	75	932618	10.671	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	1255223	10.183	ppbv	99
47) 1,1,2-Trichloroethane	8.905	97	962300	8.508	ppbv	98
48) Dibromochloromethane	9.719	129	1646639	9.573	ppbv	100
49) Bromoform	12.420	173	1261505	9.614	ppbv	100
50) 4-Methyl-2-Pentanone	8.188	43	2350297	8.596	ppbv	99
51) 2-Hexanone	9.561	43	1835751	8.631	ppbv	99
52) Tetrachloroethene	10.626	164	807337	8.618	ppbv	96
53) Toluene	9.230	91	2678339	8.779	ppbv	100
54) 1,2-Dibromoethane	10.018	107	1091103	8.958	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.520	131	1148831	8.360	ppbv	100
57) Chlorobenzene	11.539	112	1995533	7.891	ppbv	97
58) Ethyl Benzene	12.098	91	3515836	8.306	ppbv	100
59) m/p-Xylene	12.384	91	5915627m	16.043	ppbv	
60) o-Xylene	13.069	91	2787091	7.890	ppbv	100
61) Styrene	12.909	104	1658168	8.752	ppbv	99
62) Isopropylbenzene	14.040	105	3903779	7.665	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	908455m	7.014	ppbv	
64) n-propylbenzene	14.931	120	987691	7.678	ppbv	99
65) tert-Butylbenzene	16.101	119	3324093	7.511	ppbv	100
66) Benzyl Chloride	16.342	91	258067	9.999	ppbv	96
67) sec-Butylbenzene	16.651	105	4625869	7.458	ppbv	100
69) p-Isopropyltoluene	17.008	119	3758718	7.586	ppbv	100
70) n-Butylbenzene	17.899	91	3923214	7.558	ppbv	100
71) 2-Chlorotoluene	14.812	91	2943186	7.574	ppbv	100
72) 4-Ethyltoluene	15.211	105	3101520	7.907	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	2717458	7.682	ppbv	98
74) 1,2,4-Trimethylbenzene	16.121	105	2911989	7.468	ppbv	99
75) 1,3-Dichlorobenzene	16.342	146	1627087	7.626	ppbv	100
76) 1,4-Dichlorobenzene	16.487	146	1583094	7.600	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	1561397	7.631	ppbv	99
78) Hexachloro-1,3-Butadiene	22.651	225	1137116	8.011	ppbv #	100
79) Naphthalene	21.403	128	2390680	10.289	ppbv	99
80) Naphthalene,2-methyl-	24.390	142	524100	7.373	ppbv	98
81) 1,2,4-Trichlorobenzene	21.153	180	1223135	8.863	ppbv	99

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

