

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040523\
 Data File : VL040311.D
 Acq On : 5 Apr 2023 10:58
 Operator : SY/MD
 Sample : VL0405ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0405ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/06/2023
 Supervised By : Mahesh Dadoda 04/06/2023

Quant Time: Apr 06 07:49:54 2023

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

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

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	5.166	49	1053646	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.632	114	2582051	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	2652461	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.760 95 2181375 9.821 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.700	85	1810729	8.759	ppbv	97
3) Chlorodifluoromethane	2.645	51	1164857	8.792	ppbv	99
4) Chloromethane	2.783	50	741135	9.059	ppbv	100
5) Vinyl Chloride	2.890	62	635998	9.601	ppbv	100
6) Bromomethane	3.092	94	224096	9.755	ppbv	99
7) Chloroethane	3.169	64	237859	9.353	ppbv	96
8) Dichlorotetrafluoroethane	2.828	85	1641268	9.275	ppbv	99
9) Propene	2.664	41	478566	9.428	ppbv	95
10) Heptane	7.558	43	1187389	9.726	ppbv	100
11) Trichlorofluoromethane	3.536	101	1732793	9.251	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.041	101	1245038	8.851	ppbv	99
13) Ethanol	3.217	45	27596	7.413	ppbv	97
14) Bromoethene	3.336	108	508266	9.686	ppbv	98
15) Acetone	3.439	43	1105011	8.614	ppbv	99
16) 1,3-Butadiene	2.957	39	555415	9.526	ppbv	98
17) tert-Butyl alcohol	3.848	59	1226640	10.062	ppbv	100
18) 1,1-Dichloroethene	3.851	96	550922	9.129	ppbv	98
19) Isopropyl Alcohol	3.545	45	558182	9.084	ppbv	99
20) Methylene Chloride	3.906	84	455754	8.446	ppbv	97
21) Allyl Chloride	3.970	41	776349	9.344	ppbv	99
22) trans-1,2-Dichloroethene	4.420	96	565004	9.199	ppbv	96
23) Vinyl Acetate	4.600	43	344220	9.646	ppbv #	96
24) 1,1-Dichloroethane	4.536	63	1135611	8.922	ppbv	97
25) Ethyl Acetate	5.179	43	2222763	9.256	ppbv	99
26) Hexane	5.188	57	936044	9.496	ppbv	97
27) Carbon Disulfide	4.095	76	1336286	9.705	ppbv	99
28) Methyl tert-Butyl Ether	4.558	73	1029055	9.092	ppbv	99
29) Chloroform	5.250	83	1657433	9.522	ppbv	98
30) Cyclohexane	6.581	84	783097	10.081	ppbv	100
31) cis-1,2-Dichloroethene	5.053	61	966320	10.066	ppbv	99
32) 1,1,1-Trichloroethane	5.983	97	1677473	10.059	ppbv	98
34) 2-Butanone	4.761	43	1204166	9.449	ppbv	99
35) Carbon Tetrachloride	6.471	117	1722595	10.631	ppbv	99
36) Benzene	6.349	78	1949651	9.908	ppbv	98
37) 1,2-Dichloroethane	5.783	62	1276779	9.969	ppbv	100
38) Trichloroethene	7.269	130	1181449	10.987	ppbv	95
39) 1,2-Dichloropropane	7.053	63	755935	9.792	ppbv	97
40) 1,4-Dioxane	7.266	88	286342	9.375	ppbv	75
41) Tetrahydrofuran	5.532	42	724472	9.851	ppbv	99
42) Bromodichloromethane	7.230	83	1763017	10.074	ppbv	98
43) Methyl Methacrylate	7.452	69	780240	10.670	ppbv	99
44) 2,2,4-Trimethylpentane	7.304	57	3301064	10.062	ppbv	100
45) t-1,3-Dichloropropene	8.690	75	740299	11.613	ppbv	99

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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)
46) cis-1,3-Dichloropropene	8.121	75	1029874	11.377	ppbv	98
47) 1,1,2-Trichloroethane	8.880	97	801913	9.735	ppbv	95
48) Dibromochloromethane	9.693	129	1376518	10.155	ppbv	99
49) Bromoform	12.391	173	1036456	10.180	ppbv	100
50) 4-Methyl-2-Pentanone	8.159	43	2011810	10.202	ppbv	98
51) 2-Hexanone	9.532	43	1524172	9.977	ppbv	100
52) Tetrachloroethene	10.597	164	634720	10.662	ppbv	98
53) Toluene	9.201	91	2185158	10.597	ppbv	99
54) 1,2-Dibromoethane	9.989	107	863772	10.187	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.494	131	1003345	8.992	ppbv	98
57) Chlorobenzene	11.507	112	1644577	8.716	ppbv	98
58) Ethyl Benzene	12.072	91	2931156	9.705	ppbv	98
59) m/p-Xylene	12.359	91	5173189m	18.697	ppbv	
60) o-Xylene	13.040	91	2479374	9.374	ppbv	100
61) Styrene	12.883	104	1372470	10.226	ppbv	99
62) Isopropylbenzene	14.011	105	3475336	9.227	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.031	83	779896	8.380	ppbv	100
64) n-propylbenzene	14.902	120	865533	9.391	ppbv	97
65) tert-Butylbenzene	16.072	119	3087870	9.513	ppbv	99
66) Benzyl Chloride	16.313	91	203615	9.653	ppbv	98
67) sec-Butylbenzene	16.622	105	4483204	9.658	ppbv	100
69) p-Isopropyltoluene	16.982	119	3657807	10.118	ppbv	99
70) n-Butylbenzene	17.870	91	4139904	10.395	ppbv	100
71) 2-Chlorotoluene	14.783	91	2696213	9.405	ppbv	100
72) 4-Ethyltoluene	15.178	105	2860743	9.893	ppbv	100
73) 1,3,5-Trimethylbenzene	15.336	105	2568111	9.804	ppbv	100
74) 1,2,4-Trimethylbenzene	16.092	105	2886589	9.663	ppbv	95
75) 1,3-Dichlorobenzene	16.313	146	1570749	9.709	ppbv	99
76) 1,4-Dichlorobenzene	16.461	146	1530259	9.917	ppbv	99
77) 1,2-Dichlorobenzene	17.130	146	1577192	10.142	ppbv	100
78) Hexachloro-1,3-Butadiene	22.619	225	1097559	9.624	ppbv	99
79) Naphthalene	21.365	128	2267394	12.831	ppbv	99
80) Naphthalene,2-methyl-	24.361	142	363758	8.128	ppbv	98
81) 1,2,4-Trichlorobenzene	21.127	180	1201631	11.040	ppbv	99

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

