

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021523\
 Data File : VL040175.D
 Acq On : 15 Feb 2023 14:18
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/16/2023
 Supervised By : Mahesh Dadoda 02/18/2023

Quant Time: Feb 15 14:48:37 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 : Wed Feb 15 14:16:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	984223	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.658	114	2481706	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.478	117	2457794	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2055352 10.062 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.722	85	2482720	14.386	ppbv	99
3) Chlorodifluoromethane	2.664	51	1565155	13.258	ppbv	99
4) Chloromethane	2.803	50	990947	13.582	ppbv	93
5) Vinyl Chloride	2.912	62	870921	14.079	ppbv	100
6) Bromomethane	3.111	94	300693	13.322	ppbv	97
7) Chloroethane	3.189	64	320802	13.569	ppbv	91
8) Dichlorotetrafluoroethane	2.848	85	2075133	12.881	ppbv	95
9) Propene	2.684	41	666196	13.583	ppbv	97
10) Heptane	7.584	43	1708650	15.115	ppbv	99
11) Trichlorofluoromethane	3.555	101	2245185	13.037	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.063	101	1660672	12.826	ppbv	99
13) Ethanol	3.240	45	39238m	8.692	ppbv	
14) Bromoethene	3.359	108	668500	13.909	ppbv	98
15) Acetone	3.462	43	1522630	12.900	ppbv	99
16) 1,3-Butadiene	2.976	39	767045	13.938	ppbv	97
17) tert-Butyl alcohol	3.870	59	1368580	12.451	ppbv	100
18) 1,1-Dichloroethene	3.873	96	748710	13.309	ppbv	97
19) Isopropyl Alcohol	3.568	45	659988	11.428	ppbv	99
20) Methylene Chloride	3.928	84	618260	11.872	ppbv	98
21) Allyl Chloride	3.992	41	1064263	14.042	ppbv	99
22) trans-1,2-Dichloroethene	4.442	96	794441	13.821	ppbv	92
23) Vinyl Acetate	4.623	43	530563	13.866	ppbv	99
24) 1,1-Dichloroethane	4.561	63	1562923	13.489	ppbv	99
25) Ethyl Acetate	5.201	43	3095919	14.888	ppbv	100
26) Hexane	5.211	57	1307189	14.364	ppbv	99
27) Carbon Disulfide	4.121	76	1900307	16.118	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	1416388	13.835	ppbv	99
29) Chloroform	5.275	83	2256979	15.511	ppbv	100
30) Cyclohexane	6.606	84	1117640	15.449	ppbv	97
31) cis-1,2-Dichloroethene	5.079	61	1378165	15.643	ppbv	96
32) 1,1,1-Trichloroethane	6.005	97	2246497	15.190	ppbv	99
34) 2-Butanone	4.783	43	1717687	14.633	ppbv	99
35) Carbon Tetrachloride	6.497	117	2364102	16.848	ppbv	98
36) Benzene	6.375	78	2813428	15.319	ppbv	98
37) 1,2-Dichloroethane	5.809	62	1763254	14.937	ppbv	99
38) Trichloroethene	7.298	130	1680628	16.124	ppbv	98
39) 1,2-Dichloropropane	7.079	63	1085858	15.116	ppbv	98
40) 1,4-Dioxane	7.288	88	398790	13.988	ppbv	84
41) Tetrahydrofuran	5.555	42	1079858	15.938	ppbv	100
42) Bromodichloromethane	7.256	83	2534438	15.900	ppbv	98
43) Methyl Methacrylate	7.478	69	1149683	17.059	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	4614240	15.108	ppbv	100
45) t-1,3-Dichloropropene	8.719	75	1173178	19.522	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	1538562	18.736	ppbv	99
47) 1,1,2-Trichloroethane	8.909	97	1196044	15.814	ppbv	99
48) Dibromochloromethane	9.722	129	2126145	17.491	ppbv	100
49) Bromoform	12.423	173	1713542	18.299	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	2928530	15.861	ppbv	100
51) 2-Hexanone	9.558	43	2337696	16.711	ppbv #	99
52) Tetrachloroethene	10.626	164	980408	16.319	ppbv	99
53) Toluene	9.230	91	3257290	16.629	ppbv	100
54) 1,2-Dibromoethane	10.018	107	1368638	17.285	ppbv	93
56) 1,1,1,2-Tetrachloroethane	11.519	131	1487010	15.545	ppbv	97
57) Chlorobenzene	11.539	112	2545491	15.194	ppbv	98
58) Ethyl Benzene	12.098	91	4482948	16.345	ppbv	98
59) m/p-Xylene	12.384	91	7687029m	31.170	ppbv	
60) o-Xylene	13.072	91	3718321	15.884	ppbv	99
61) Styrene	12.912	104	2199067	18.028	ppbv	100
62) Isopropylbenzene	14.040	105	5197080	15.436	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	1249674	14.703	ppbv	100
64) n-propylbenzene	14.931	120	1342803	16.044	ppbv	98
65) tert-Butylbenzene	16.104	119	4560922	15.822	ppbv	99
66) Benzyl Chloride	16.339	91	367521	18.656	ppbv	99
67) sec-Butylbenzene	16.651	105	6360747	15.565	ppbv	99
69) p-Isopropyltoluene	17.008	119	5184546	16.144	ppbv	99
70) n-Butylbenzene	17.899	91	5547876	16.020	ppbv	99
71) 2-Chlorotoluene	14.815	91	4074526	15.735	ppbv	100
72) 4-Ethyltoluene	15.207	105	4252977	16.373	ppbv	99
73) 1,3,5-Trimethylbenzene	15.365	105	3791391	16.211	ppbv	100
74) 1,2,4-Trimethylbenzene	16.124	105	4073081	15.722	ppbv	96
75) 1,3-Dichlorobenzene	16.346	146	2255741	15.677	ppbv	100
76) 1,4-Dichlorobenzene	16.490	146	2208267	15.609	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	2153337	15.649	ppbv	100
78) Hexachloro-1,3-Butadiene	22.648	225	1421126	14.100	ppbv	100
79) Naphthalene	21.400	128	2965817	19.983	ppbv	98
80) Naphthalene,2-methyl-	24.387	142	915269	18.302	ppbv	97
81) 1,2,4-Trichlorobenzene	21.156	180	1572551	17.191	ppbv	98

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

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